

Top = 14
Width = 110
Height = 25
Caption = 'Create PopUp Menu'
TabOrder = 1
OnClick = Button2Click
end
<-----> Object Button3: TButton
Left = 200
Top = 52
Width = 110
Height = 25
Caption = 'Add PopUp Items'
Enabled = False
TabOrder = 2
OnClick = Button3Click
end
<-----> Object Button4: TButton
Left = 32
Top = 54
Width = 110
Height = 25
Caption = 'Add Main Items'
Enabled = False
TabOrder = 3
OnClick = Button4Click
end
<-----> Object Button5: TButton
Left = 32
Top = 92
Width = 110
Height = 25
Caption = 'Add Sub-Menu'
Enabled = False
TabOrder = 4
OnClick = Button5Click
end
<-----> Object Button6: TButton
Left = 32
Top = 130
Width = 110
Height = 25
Caption = 'Add Vertical Break'
Enabled = False
TabOrder = 5
OnClick = Button6Click
end

القسم الأول: برمجة القوائم في دلفي

<-----> Objects12
الملف النصي لبرنامج
(Menu2)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> Object Form1: TForm1
Left = 144
Top = 110
Width = 467
Height = 341
Caption = 'Menu Demo'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
PixelsPerInch = 96
TextHeight = 13
<-----> Object Panel1: TPanel
Left = 56
Top = 56
Width = 345
Height = 209
TabOrder = 0
<-----> Object Button1: TButton
Left = 32
Top = 16
Width = 110
Height = 25
Caption = 'Create Main Menu'
TabOrder = 0
OnClick = Button1Click
end
<-----> Object Button2: TButton
Left = 200

uses
Forms,
UMnuDmo in 'UMnuDmo.pas'
{Form1};
{SR *.RES}
begin
Application.Initialize;
Application.CreateForm(TForm1,
Form1);
Application.Run;
end.
//////////
unit UMnuDmo;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
StdCtrls, ExtCtrls, Menus;
type
TForm1 = class(TForm)
Panel1: TPanel;
Button1: TButton;
Button2: TButton;
Button3: TButton;
Button4: TButton;
Button5: TButton;
Button6: TButton;
Button7: TButton;
Button8: TButton;
Button9: TButton;
<-----> procedure
Button1Click(Sender: TObject);
<-----> procedure
Button2Click(Sender: TObject);
<-----> procedure
Button7Click(Sender: TObject);
<-----> procedure
Button3Click(Sender: TObject);
<-----> procedure

<-----> Object Button7: TButton
Left = 200
Top = 90
Width = 110
Height = 25
Caption = 'Show PopUp'
Enabled = False
TabOrder = 6
OnClick = Button7Click
end
<-----> Object Button8: TButton
Left = 32
Top = 168
Width = 110
Height = 25
Caption = 'Add Horizontal
Break'
Enabled = False
TabOrder = 7
OnClick = Button8Click
end
<-----> Object Button9: TButton
Left = 200
Top = 128
Width = 110
Height = 25
Caption = 'Assign OnClick
Event'
Enabled = False
TabOrder = 8
OnClick = Button9Click
end
end
End

Procedures10
الملف التنفيذي لبرنامج
(Menu2)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program PMnuDmo;

```

ShowMessage('MainMenu created
but no items' + #13+
'are added so it does not
show.');
```

```

Button1.Enabled := False;
end;
```

```

procedure
 TForm1.Button2Click(Sender:
 TObject);
begin
 MyPopupMenu :=
 TPopupMenu.Create(self);
 Button3.Enabled := true;
 ShowMessage('PopupMenu
created.');
```

```

Button2.Enabled := False;
end;
```

```

procedure
 TForm1.Button7Click(Sender:
 TObject);
begin
 MyPopupMenu.Popup(Form1.Left
+ 60, Form1.Top + 140);
 Button9.Enabled := true;
end;
```

```

procedure
 TForm1.Button3Click(Sender:
 TObject);
var
 i: Integer;
begin
 for i := 0 to 3 do begin
 MyPopUpItems[i] :=
 TMenuItem.Create(Self);
 MyPopUpItems[i].Caption :=
 'New item ' + IntToStr(i);
 MyPopupMenu.Items.Add(MyPopU
pItems[i]);
end;
 Button7.Enabled := true;
 Button3.Enabled := False;
end;
```

```

procedure
 TForm1.Button4Click(Sender:
 TObject);
```

```

MyPopupHandler(Sender:
 TObject);
<-----> procedure
 Button4Click(Sender: TObject);
<-----> procedure
 Button5Click(Sender: TObject);
<-----> procedure
 Button6Click(Sender: TObject);
<-----> procedure
 Button8Click(Sender: TObject);
<-----> procedure
 Button9Click(Sender: TObject);
private
 { Private declarations }
public
 { Public declarations }
end;
```

```

var
 Form1: TForm1;
 MyMainMenu: TMainMenu;
 MyPopupMenu: TPopupMenu;
 MySubItem1, MySubItem2 :
 TMenuItem;
 MySubItems: array[0..3] of
 TMenuItem;
 MyPopUpItems: array[0..3] of
 TMenuItem;
implementation
{$R *.DFM}
procedure
 TForm1.MyPopupHandler(Sender:
 TObject);
begin
 with Sender as TMenuItem do
 begin
 ShowMessage(Caption);
end;
end;
```

```

procedure
 TForm1.Button1Click(Sender:
 TObject);
begin
 MyMainMenu:=
 TMainMenu.Create(Self);
 Button4.Enabled := true;
```

```

TForm1.Button8Click(Sender:
TObject);
begin
  MySubItems[2].Caption := '-';
end;

procedure
TForm1.Button9Click(Sender:
TObject);
var
  i: Integer;
begin
  for i := 0 to 3 do begin
    MyPopUpItems[i].OnClick :=
    MyPopUpHandler;
  end;
end;

end.

```

18
الملف التنفيذي لبرنامج
(Menu)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١

```

unit menudemo;

interface

uses
  Windows, Messages, SysUtils,
  Classes, Graphics, Controls, Forms,
  Dialogs,
  Menus, ExtCtrls, ComCtrls;

type
  TMenuForm = class(TForm)
    DisplayPanel: TPanel;
    DemoShape: TShape;
    MainMenu: TMainMenu;
    Application1: TMenuItem;
    Exit1: TMenuItem;
    Color1: TMenuItem;

```

```

var
  MyItem: array[0..2] of
  TMenuItem;
  i: Integer;
begin
  for i := 0 to 2 do begin
    MyItem[i] :=
    TMenuItem.Create(Self);
    MyItem[i].Caption := 'New item '
    + IntToStr(i);

    MyMainMenu.Items.Add(MyItem[i]
    );
  end;
  Button4.Enabled := False;
  Button5.Enabled := true;
end;

procedure
TForm1.Button5Click(Sender:
TObject);
var
  i: Integer;
begin
  for i := 0 to 3 do begin
    MySubItems[i] :=
    TMenuItem.Create(Self);
    MySubItems[i].Caption := 'New
    item ' + IntToStr(i);
    MySubItems[i].OnClick :=
    MyPopUpHandler;

    MyMainMenu.Items[0].Add(MySub
    Items[i]);
  end;
  Button6.Enabled := true;
  Button8.Enabled := true;
  Button5.Enabled := False;
end;

procedure
TForm1.Button6Click(Sender:
TObject);
begin
  MySubItems[3].Break :=
  mbBarBreak;
end;

procedure

```

```

<-----> procedure
About1Click(Sender: TObject);
<-----> procedure
Random1Click(Sender: TObject);
<-----> procedure
RandomizeColors1Click(Sender:
TObject);
<-----> procedure
InvertColors1Click(Sender:
TObject);
private
{ Private declarations }
Roundable: Boolean;
function RandomColor: TColor;
<-----> procedure
AlterShape(shape: TShapeType;
roundable: Boolean);
public
{ Public declarations }
end;
const
SHAPE_OFFSET = 4;
var
MenuForm: TMenuForm;
implementation
uses about;
{$R *.DFM}
procedure
TMenuForm.DisplayPanelResize(Se
nder: TObject);
begin
DemoShape.Top :=
SHAPE_OFFSET;
DemoShape.Left :=
DemoShape.Top;
DemoShape.Height :=
DisplayPanel.Height - 2 *
SHAPE_OFFSET;
DemoShape.Width :=
DisplayPanel.Width - 2 *
SHAPE_OFFSET;

```

```

Outline1: TMenuItem;
Randomize1: TMenuItem;
Select1: TMenuItem;
Inside1: TMenuItem;
Randomize2: TMenuItem;
Select2: TMenuItem;
Shape1: TMenuItem;
Circle1: TMenuItem;
Ellipse1: TMenuItem;
Rectangle1: TMenuItem;
Square1: TMenuItem;
Misc1: TMenuItem;
ThickOutline1: TMenuItem;
RoundedShape1: TMenuItem;
Help1: TMenuItem;
About1: TMenuItem;
SolidColorDialog: TColorDialog;
AnyColorDialog: TColorDialog;
PopupMenu: TPopupMenu;
Random1: TMenuItem;
RandomizeColors1: TMenuItem;
InvertColors1: TMenuItem;
<-----> procedure
DisplayPanelResize(Sender:
TObject);
<-----> procedure
Exit1Click(Sender: TObject);
<-----> procedure
Randomize1Click(Sender: TObject);
<-----> procedure
Select1Click(Sender: TObject);
<-----> procedure
Randomize2Click(Sender: TObject);
<-----> procedure
Select2Click(Sender: TObject);
<-----> procedure
Circle1Click(Sender: TObject);
<-----> procedure
Ellipse1Click(Sender: TObject);
<-----> procedure
Rectangle1Click(Sender: TObject);
<-----> procedure
Square1Click(Sender: TObject);
<-----> procedure
ThickOutline1Click(Sender:
TObject);
<-----> procedure
RoundedShape1Click(Sender:
TObject);

```

begin
DemoShape.Brush.Color := RandomColor;
end;
procedure TMenuForm.Select2Click(Sender: TObject);
begin
AnyColorDialog.Color := DemoShape.Brush.Color;
try
if AnyColorDialog.Execute then
DemoShape.Brush.Color := AnyColorDialog.Color;
except
ShowMessage('Color selection dialog failed to load.');
end;
end;
procedure ToggleCheck(Sender: TObject);
var
Item: TMenuItem;
begin
Item := Sender as TMenuItem;
Item.Checked := not Item.Checked;
end;
procedure SetCheck(Sender: TObject);
var
Item: TMenuItem;
begin
Item := Sender as TMenuItem;
Item.Checked := True;
end;
procedure TMenuForm.AlterShape(shape: TShapeType; roundable: Boolean);
begin
Self.Roundable := roundable;
DemoShape.Shape := shape;
end;
procedure TMenuForm.Circle1Click(Sender:

end;
procedure TMenuForm.Exit1Click(Sender: TObject);
begin
Close;
end;
function TMenuForm.RandomColor;
var
red, green, blue: Byte;
begin
red := Random(255);
green := Random(255);
blue := Random(255);
Result := red or (green shl 8) or (blue shl 16);
end;
procedure TMenuForm.Randomize1Click(Sender: TObject);
begin
DemoShape.Pen.Color := RandomColor;
end;
procedure TMenuForm.Select1Click(Sender: TObject);
begin
try
SolidColorDialog.Color := DemoShape.Pen.Color;
if SolidColorDialog.Execute then
DemoShape.Pen.Color := SolidColorDialog.Color;
except
ShowMessage('Color selection dialog failed to load');
end;
end;
procedure TMenuForm.Randomize2Click(Sender: TObject);

```

ToggleCheck(Sender);
case DemoShape.Shape of
  stRectangle: DemoShape.Shape
:= stRoundRect;
  stRoundRect: DemoShape.Shape
:= stRectangle;
  stSquare: DemoShape.Shape :=
stRoundSquare;
  stRoundSquare:
DemoShape.Shape := stSquare;
end;
end;

procedure
TMenuForm.About1Click(Sender:
TObject);
var
  AboutBox: TAboutBox;
begin
  AboutBox :=
TAboutBox.Create(Self);
  try
    AboutBox.ShowModal;
  finally
    AboutBox.Free;
  end;
end;

procedure
TMenuForm.Random1Click(Sender
: TObject);
var
  newshape: TShapeType;
begin
  // Ensure we actually change the
  shape.
  repeat newshape :=
TShapeType(Random(6)) until
  newshape <> DemoShape.Shape;

  // Adjust the "Shape" and Rounded
  Shape" menu selections.
  case newshape of
    stEllipse: Ellipse1Click(Ellipse1);
    stCircle: Circle1Click(Circle1);
    stRectangle, stRoundRect:
      begin
        RoundedShape1.Checked :=
newshape = stRoundRect;

```

```

TObject);
begin
  SetCheck(Sender);
  AlterShape(stCircle, False);
end;

procedure
TMenuForm.Ellipse1Click(Sender:
TObject);
begin
  SetCheck(Sender);
  AlterShape(stEllipse, False);
end;

procedure
TMenuForm.Rectangle1Click(Sende
r: TObject);
begin
  SetCheck(Sender);
  if RoundedShape1.Checked then
    AlterShape(stRoundRect, True)
  else
    AlterShape(stRectangle, True);
end;

procedure
TMenuForm.Square1Click(Sender:
TObject);
begin
  SetCheck(Sender);
  if RoundedShape1.Checked then
    AlterShape(stRoundSquare, True)
  else
    AlterShape(stSquare, True);
end;

procedure
TMenuForm.ThickOutline1Click(Se
nder: TObject);
begin
  ToggleCheck(Sender);
  DemoShape.Pen.Width := 11 -
DemoShape.Pen.Width;
end;

procedure
TMenuForm.RoundedShape1Click(
Sender: TObject);
begin

```

Label2: TLabel;
Button1: TButton;
<-----> procedure Button1Click(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
AboutBox: TAboutBox;
implementation
{SR *.DFM}
procedure TAboutBox.Button1Click(Sender: TObject);
begin
Close;
end;
end.
////////////////////////////////

ObjectS
الملف النصي لبرنامج
(Menu)
إعداد
علاء الدين اللباد
جاتف ٠٩٤٤٥٧٥٣٧١
object MenuForm: TMenuForm
Left = 183
Top = 115
Width = 696
Height = 480
Caption = 'MenuForm'
Color = clBtnFace
Font.Charset =

Rectangle1Click(Rectangle1);
end;
stSquare, stRoundSquare:
begin
RoundedShape1.Checked := newshape = stRoundSquare;
Square1Click(Square1);
end;
end;
procedure TMenuForm.RandomizeColors1Clic k(Sender: TObject);
begin
DemoShape.Brush.Color := RandomColor;
DemoShape.Pen.Color := RandomColor;
end;
procedure TMenuForm.InvertColors1Click(Se nder: TObject);
var
i : Integer;
begin
i := Integer(DemoShape.Brush.Color) xor \$FFFFFF;
DemoShape.Brush.Color := TColor(i);
end;
end.
////////////////////////////////
unit about;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls;
type
TAboutBox = class(TForm)
Label1: TLabel;

Caption = '&Outline'
Hint = 'Adjust shape outline color'
object Randomize1: TMenuItem
Caption = '&Randomize'
Hint = 'Set shape outline to a random color'
OnClick = Randomize1Click
end
object Select1: TMenuItem
Caption = '&Select...'
Hint = 'Select shape outline color'
OnClick = Select1Click
end
end
object Inside1: TMenuItem
Caption = '&Inside'
Hint = 'Adjust shape inside color'
object Randomize2: TMenuItem
Caption = '&Randomize'
Hint = 'Set shape inside to a random color'
OnClick = Randomize2Click
end
object Select2: TMenuItem
Caption = '&Select...'
Hint = 'Select a color for the shape filling'
OnClick = Select2Click
end
end
end
object Shape1: TMenuItem
Caption = '&Shape'
GroupIndex = 1
Hint = 'Mutually-exclusive toggle group'
object Circle1: TMenuItem
Caption = '&Circle'
Checked = True
GroupIndex = 1
Hint = 'Make the shape a circle'
RadioItem = True
OnClick = Circle1Click

DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu
OldCreateOrder = True
Position = poDefaultPosOnly
ShowHint = True
Visible = True
PixelsPerInch = 96
TextHeight = 13
object DisplayPanel: TPanel
Left = 0
Top = 0
Width = 688
Height = 426
Align = alClient
BevelInner = bvLowered
BevelOuter = bvLowered
PopupMenu = PopupMenu
TabOrder = 0
OnResize = DisplayPanelResize
object DemoShape: TShape
Left = 120
Top = 8
Width = 193
Height = 217
Shape = stCircle
end
end
object MainMenu: TMainMenu
Left = 56
Top = 16
object Application1: TMenuItem
Caption = '&Application'
Hint = 'Simple command menu item'
object Exit1: TMenuItem
Caption = 'E&xit'
Hint = 'Close the application'
OnClick = Exit1Click
end
end
object Color1: TMenuItem
Caption = '&Color'
Hint = 'Submenus'
object Outline1: TMenuItem

RoundedShape1Click
end
end
object Help1: TMenuItem
Caption = '&Help'
GroupIndex = 1
Hint = 'Simple command menu item'
object About1: TMenuItem
Caption = '&About...'
Hint = 'Summons an About box'
OnClick = About1Click
end
end
end
object SolidColorDialog: TColorDialog
Options = [cdSolidColor]
Left = 56
Top = 72
end
object AnyColorDialog: TColorDialog
Options = [cdAnyColor]
Left = 56
Top = 208
end
object PopupMenu: TPopupMenu
Left = 64
Top = 144
object Random1: TMenuItem
Caption = 'Randomize &Shape'
OnClick = Random1Click
end
object RandomizeColors1: TMenuItem
Caption = 'Randomize &Colors'
OnClick = RandomizeColors1Click
end
object InvertColors1: TMenuItem
Caption = '&Invert Inside Color'
OnClick = InvertColors1Click
end
end
End
object AboutBox: TAboutBox

end
object Ellipse1: TMenuItem
Caption = '&Ellipse'
GroupIndex = 1
Hint = 'Make the shape an ellipse'
RadioItem = True
OnClick = Ellipse1Click
end
object Rectangle1: TMenuItem
Caption = '&Rectangle'
GroupIndex = 1
Hint = 'Make the shape a rectangle'
RadioItem = True
OnClick = Rectangle1Click
end
object Square1: TMenuItem
Caption = '&Square'
GroupIndex = 1
Hint = 'Make the shape a square'
RadioItem = True
OnClick = Square1Click
end
end
object Misc1: TMenuItem
Caption = '&Misc'
GroupIndex = 1
Hint =
'Simple checkable menu items with a superfluous bar break in betw' +
'een'
object ThickOutline1: TMenuItem
Caption = '&Thick Outline'
Hint = 'Controls whether or not the outline is thick'
OnClick = ThickOutline1Click
end
object RoundedShape1: TMenuItem
Break = mbBarBreak
Caption = '&Rounded Shape'
Hint = 'Makes rectangle or square have rounded corners'
OnClick =

end
End
////////////////////////////////////

Procedures5
الملف التنفيذي لبرنامج
(TabCntrl)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١

```

program clsexm;
uses
  Forms,
  clsexm1 in 'clsexm1.pas' {Form1};
{$R *.RES}
begin
  Application.Initialize;
  Application.CreateForm(TForm1,
  Form1);
  Application.Run;
end.
////////////////////////////////////
unit clsexm1;

interface

uses
  Windows, Messages, SysUtils,
  Classes, Graphics, Controls, Forms,
  Dialogs,
  Db, DBTables, ComCtrls, ExtCtrls,
  DBCtrls, StdCtrls, Mask;

type
  TForm1 = class(TForm)
    TabControl1: TTabControl;
    Table1: TTable;
    DataSource1: TDataSource;
    Table1EmpNo: TIntegerField;
    Table1LastName: TStringField;

```

```

Left = 189
Top = 110
BorderIcons = []
BorderStyle = bsDialog
Caption = 'About Menu'
ClientHeight = 134
ClientWidth = 239
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
object Label1: TLabel
  Left = 60
  Top = 24
  Width = 123
  Height = 16
  Alignment = taCenter
  Caption = 'Menu Demonstration'
  Font.Charset = ANSI_CHARSET
  Font.Color = clBlack
  Font.Height = -13
  Font.Name = 'MS Sans Serif'
  Font.Style = []
  ParentFont = False
end
object Label2: TLabel
  Left = 32
  Top = 56
  Width = 177
  Height = 13
  Caption = 'Copyright (c) 1999
Inprise Corporation'
end
object Button1: TButton
  Left = 80
  Top = 88
  Width = 75
  Height = 25
  Caption = 'OK'
  TabOrder = 0
  OnClick = Button1Click

```

```

begin
TabControl1.Tabs.Add(FieldByName('LASTNAME').AsString);
Next;
end;
// Sync page and table.
First;
end;
end;

<-----> procedure
 TForm1.TabControl1Change(Sender: TObject);
begin
with TabControl1 do
begin
if TabIndex <> -1 then
if not
Table1.Locate('LASTNAME',
Tabs[TabIndex], []) then
ShowMessage(Tabs[TabIndex -
1] + ' not found.');
```

```

Table1.FirstName: TStringField;
Table1.PhoneExt: TStringField;
Table1.HireDate:
TDateTimeField;
Table1.Salary: TFloatField;
Label1: TLabel;
DBEdit1: TDBEdit;
Label2: TLabel;
DBEdit2: TDBEdit;
Label3: TLabel;
DBEdit3: TDBEdit;
Label4: TLabel;
DBEdit4: TDBEdit;
Label5: TLabel;
DBEdit5: TDBEdit;
Label6: TLabel;
DBEdit6: TDBEdit;
DBText1: TDBText;
Table1.FullName: TStringField;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
TabControl1Change(Sender:
TObject);
<-----> procedure
Table1CalcFields(DataSet:
TDataSet);
end;

var
Form1: TForm1;

implementation

{$R *.DFM}

<-----> procedure
 TForm1.FormCreate(Sender:
TObject);
begin
TabControl1.Align := alClient;
TabControl1.TabHeight := 30;
with Table1 do
begin
Close;
IndexName := 'ByName';
Open;
while not EOF do
```

Height = 13
Caption = 'LastName'
FocusControl = DBEdit2
end
object Label3: TLabel
Left = 16
Top = 152
Width = 47
Height = 13
Caption = 'FirstName'
FocusControl = DBEdit3
end
object Label4: TLabel
Left = 16
Top = 192
Width = 46
Height = 13
Caption = 'PhoneExt'
FocusControl = DBEdit4
end
object Label5: TLabel
Left = 16
Top = 232
Width = 42
Height = 13
Caption = 'HireDate'
FocusControl = DBEdit5
end
object Label6: TLabel
Left = 16
Top = 272
Width = 29
Height = 13
Caption = 'Salary'
FocusControl = DBEdit6
end
object DBText1: TDBText
Left = 56
Top = 48
Width = 6
Height = 20
AutoSize = True
DataField = 'FullName'
DataSource = DataSource1
Font.Charset = ANSI_CHARSET
Font.Color = clBlack
Font.Height = -16

الملف النصي لبرنامج
(TabCtrl)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
object Form1: TForm1
Left = 292
Top = 153
Width = 366
Height = 354
Caption = 'Form1'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
object TabControl1: TTabControl
Left = 0
Top = 0
Width = 358
Height = 320
Align = alClient
TabOrder = 0
OnChange = TabControl1Change
object Label1: TLabel
Left = 16
Top = 72
Width = 35
Height = 13
Caption = 'EmpNo'
FocusControl = DBEdit1
end
object Label2: TLabel
Left = 16
Top = 112
Width = 48

end
object DBEdit6: TDBEdit
Left = 16
Top = 288
Width = 64
Height = 21
DataField = 'Salary'
DataSource = DataSource1
TabOrder = 5
end
end
object Table1: TTable
Active = True
OnCalcFields = Table1CalcFields
DatabaseName = 'DBDEMOS'
TableName = 'EMPLOYEE.DB'
Left = 16
Top = 16
object Table1EmpNo: TIntegerField
FieldName = 'EmpNo'
DisplayFormat = 'Emp'##' 0000'
MaxValue = 9999
MinValue = 1
end
object Table1LastName: TStringField
FieldName = 'LastName'
end
object Table1FirstName: TStringField
FieldName = 'FirstName'
Size = 15
end
object Table1PhoneExt: TStringField
FieldName = 'PhoneExt'
Size = 4
end
object Table1HireDate: TDateTimeField
FieldName = 'HireDate'
end
object Table1Salary: TFloatField
FieldName = 'Salary'
end
object Table1FullName: TStringField

Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object DBEdit1: TDBEdit
Left = 16
Top = 88
Width = 64
Height = 21
DataField = 'EmpNo'
DataSource = DataSource1
TabOrder = 0
end
object DBEdit2: TDBEdit
Left = 16
Top = 128
Width = 124
Height = 21
DataField = 'LastName'
DataSource = DataSource1
TabOrder = 1
end
object DBEdit3: TDBEdit
Left = 16
Top = 168
Width = 94
Height = 21
DataField = 'FirstName'
DataSource = DataSource1
TabOrder = 2
end
object DBEdit4: TDBEdit
Left = 16
Top = 208
Width = 28
Height = 21
DataField = 'PhoneExt'
DataSource = DataSource1
TabOrder = 3
end
object DBEdit5: TDBEdit
Left = 16
Top = 248
Width = 64
Height = 21
DataField = 'HireDate'
DataSource = DataSource1
TabOrder = 4

{SR *.res}
begin
Application.Initialize;
Application.CreateForm(TTextBrowserForm, TextBrowserForm);
Application.Run;
end.
////////////////////////////////////
unit main;
interface
uses
SysUtils, Types, Classes, QGraphics, QControls, QForms, QDialogs, QComCtrls, QStdCtrls, QExtCtrls, QButtons;
type
TTextBrowserForm = class(TForm)
HomeBtn: TButton;
BackBtn: TButton;
ForwardBtn: TButton;
TextBrowser: TTextBrowser;
GroupBox1: TGroupBox;
RadioButton1: TRadioButton;
RadioButton2: TRadioButton;
Label1: TLabel;
LinkSourceEdit: TEdit;
ReloadBtn: TButton;
GroupBox2: TGroupBox;
RadioButton3: TRadioButton;
RadioButton4: TRadioButton;
RadioGroup1: TRadioGroup;
UnderlineCheckbox: TCheckBox;
StatusBar: TStatusBar;
SpeedButton1: TSpeedButton;
<-----> procedure HomeBtnClick(Sender: T<----- >Object);
<-----> procedure TextBrowserTextChanged(Sender:

FieldKind = fkCalculated
FieldName = 'FullName'
Size = 30
Calculated = True
end
end
object DataSource1: TDataSource
DataSet = Table1
Left = 56
Top = 24
end
End

القسم الثاني : برامج النصوص في
دلفي

Procedures 32
الملف التنفيذي لبرنامج
(TextBrowser)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
الملف التنفيذي للبرنامج
TextBrowser;
ويوجد فيه
Procedures 32
إعداد:
مركز علاء الدين للمعلوماتية
علاء الدين محمد اللباد
٠٩٤٤٥٧٥٣٧١
program TextBrowser;
uses
QForms,
main in 'main.pas'
{TextBrowserForm};

{ Public declarations }
end;
var
TextBrowserForm: TTextBrowserForm;
implementation
{ \$R *.xfrm }
const
DefaultDocName = 'index.html';
FormCaption = 'TTextBrowser Demo Application - ';
<-----> procedure TTextBrowserForm.FormCreate(Se nder: T<----->Object);
begin
PathList := TStringList.Create;
LinkSourceEdit.Text := ExtractFilePath(Application.ExeNa me);
TextBrowser.FileName := LinkSourceEdit.Text + DefaultDocName;
UnderlineCheckbox.Checked := not TextBrowser.UnderlineLink;
end;
<-----> procedure TTextBrowserForm.HomeBtnClick(Sender: T<----->Object);
begin
TextBrowser.Home;
end;
<-----> procedure TTextBrowserForm.TextBrowserTe xtChanged(Sender: T<----- >Object);
begin
BackBtn.Enabled := TextBrowser.CanGoBackward;
ForwardBtn.Enabled := TextBrowser.CanGoForward;
Caption := FormCaption + TextBrowser.DocumentTitle;

T<----->Object);
<-----> procedure BackBtnClick(Sender: T<----- >Object);
<-----> procedure ForwardBtnClick(Sender: T<----- >Object);
<-----> procedure RadioButton1Click(Sender: T<----- >Object);
<-----> procedure RadioButton2Click(Sender: T<----- >Object);
<-----> procedure LinkSourceEditChange(Sender: T<- ----->Object);
<-----> procedure FormCreate(Sender: T<----- >Object);
<-----> procedure FormDestroy(Sender: T<----- >Object);
<-----> procedure ReloadBtnClick(Sender: T<----- >Object);
<-----> procedure RadioButton3Click(Sender: T<----- >Object);
<-----> procedure RadioButton4Click(Sender: T<----- >Object);
<-----> procedure RadioGroup1Click(Sender: T<----- >Object);
<-----> procedure UnderlineCheckboxClick(Sender: T<----->Object);
<-----> procedure TextBrowserHighlightText(Sender: T<----->Object);
const HighlightedText: WideString);
<-----> procedure SpeedButton1Click(Sender: T<----- >Object);
private
{ Private declarations }
PathList: TString;
public

TTextBrowserForm.ReloadBtnClick (Sender: T<----->Object);
begin
TextBrowser.LoadFromFile (TextBrowser.FileName);
end;
<-----> procedure TTextBrowserForm.RadioButton3Click (Sender: T<----->Object);
begin
TextBrowser.TextColor := clBlack;
end;
<-----> procedure TTextBrowserForm.RadioButton4Click (Sender: T<----->Object);
begin
TextBrowser.TextColor := clGreen;
end;
<-----> procedure TTextBrowserForm.RadioGroup1Click (Sender: T<----->Object);
begin
case RadioGroup1.ItemIndex of
0: TextBrowser.TextFormat := tfText;
1: TextBrowser.TextFormat := tfPlainText;
end;
end;
<-----> procedure TTextBrowserForm.UnderlineCheckboxClick (Sender: T<----->Object);
begin
TextBrowser.UnderlineLink := not TextBrowser.UnderlineLink;
end;
<-----> procedure TTextBrowserForm.TextBrowserHighlightText (Sender: T<----->Object);
const HighlightedText: WideString;

end;
<-----> procedure TTextBrowserForm.BackBtnClick (Sender: T<----->Object);
begin
TextBrowser.Backward;
end;
<-----> procedure TTextBrowserForm.ForwardBtnClick (Sender: T<----->Object);
begin
TextBrowser.Forward;
end;
<-----> procedure TTextBrowserForm.RadioButton1Click (Sender: T<----->Object);
begin
TextBrowser.LinkColor := clBlue;
end;
<-----> procedure TTextBrowserForm.RadioButton2Click (Sender: T<----->Object);
begin
TextBrowser.LinkColor := clRed;
end;
<-----> procedure TTextBrowserForm.LinkSourceEditChange (Sender: T<----->Object);
begin
PathList.Add(LinkSourceEdit.Text);
TextBrowser.Factory.FilePath := PathList;
end;
<-----> procedure TTextBrowserForm.FormDestroy (Sender: T<----->Object);
begin
PathList.Free;
end;
<-----> procedure

Left = 600
Top = 16
Width = 23
Height = 22
Anchors = [akTop, akRight]
Glyph.Data = {
}
NumGlyphs = 2
OnClick = SpeedButton1Click
end
<-----> object HomeBtn: TButton
Left = 8
Top = 64
Width = 75
Height = 25
Caption = 'Home'
TabOrder = 5
OnClick = HomeBtnClick
end
<-----> object BackBtn: TButton
Left = 88
Top = 64
Width = 75
Height = 25
Caption = 'Back'
TabOrder = 0
OnClick = BackBtnClick
end
<-----> object ForwardBtn:
TButton
Left = 168
Top = 64
Width = 75
Height = 25
Caption = 'Forward'
TabOrder = 1
OnClick = ForwardBtnClick
end
<-----> object TextBrowser:
TTextBrowser
Left = 8
Top = 103
Width = 624
Height = 334
Anchors = [akLeft, akTop,
akRight, akBottom]
TabOrder = 2
TextFormat = tfText

begin
StatusBar.SimpleText := 'Link To:
' + HighlightedText;
end;
<-----> procedure
TTextBrowserForm.SpeedButton1C
lick(Sender: T<----->Object);
var
NewDir: WideString;
begin
if SelectDirectory('Select a
Directory', '', NewDir) then
LinkSourceEdit.Text := NewDir;
end;
end.

Object 18الملف النصي للبرنامجTextBrowse

وفيه ١٨ اجراء

إعداد

علاء الدين اللباد

0944575371

<-----> object TextBrowserForm:
TTextBrowserForm
Left = 183
Top = 131
Width = 640
Height = 469
VertScrollBar.Range = 119
HorzScrollBar.Range = 633
ActiveControl = BackBtn
Caption = 'TTextBrowser
Component Demo Application'
Color = clBackground
OnCreate = FormCreate
OnDestroy = FormDestroy
PixelsPerInch = 75
TextHeight = 13
TextWidth = 6
<-----> object SpeedButton1:
TSpeedButton

end
<-----> object Label1: TLabel
Left = 280
Top = 1
Width = 82
Height = 13
Caption = 'Link Source Path'
end
<-----> object LinkSourceEdit: TEdit
Left = 280
Top = 16
Width = 313
Height = 21
Anchors = [akLeft, akTop, akRight]
TabOrder = 6
OnChange = LinkSourceEditChange
end
<-----> object ReloadBtn: TButton
Left = 555
Top = 64
Width = 78
Height = 25
Caption = 'Reload'
TabOrder = 7
OnClick = ReloadBtnClick
end
<-----> object GroupBox2: TGroupBox
Left = 136
Top = 8
Width = 129
Height = 41
Caption = 'Text Color'
TabOrder = 8
<-----> object RadioButton3: TRadioButton
Left = 8
Top = 16
Width = 57
Height = 17
Caption = 'Black'
Checked = True
Font.Color = clBlack
Font.Height = 13

UnderlineLink = False
OnHighlightText = TextBrowserHighlightText
OnTextChanged = TextBrowserTextChanged
end
<-----> object GroupBox1: TGroupBox
Left = 8
Top = 8
Width = 121
Height = 41
Caption = 'Link Color'
TabOrder = 3
<-----> object RadioButton1: TRadioButton
Left = 8
Top = 16
Width = 57
Height = 17
Caption = 'Blue'
Checked = True
Font.Color = clBlue
Font.Height = 13
Font.Name = 'Helvetica'
Font.Pitch = fpVariable
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = RadioButton1Click
end
<-----> object RadioButton2: TRadioButton
Left = 64
Top = 17
Width = 49
Height = 17
Caption = 'Red'
Font.Color = clRed
Font.Height = 13
Font.Name = 'Helvetica'
Font.Pitch = fpVariable
Font.Style = [fsBold]
ParentFont = False
TabOrder = 1
TabStop = False
OnClick = RadioButton2Click
end

OnClick =
UnderlineCheckboxClick
end
<-----> object StatusBar:
TStatusBar
Left = 0
Top = 450
Width = 640
Height = 19
Panels = <>
SimplePanel = True
SizeGrip = False
end
End

Font.Name = 'Helvetica'
Font.Pitch = fpVariable
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = RadioButton3Click
end
<-----> object RadioButton4:
TRadioButton
Left = 65
Top = 16
Width = 58
Height = 17
Caption = 'Green'
Font.Color = clGreen
Font.Height = 13
Font.Name = 'Helvetica'
Font.Pitch = fpVariable
Font.Style = [fsBold]
ParentFont = False
TabOrder = 1
TabStop = False
OnClick = RadioButton4Click
end
end
<-----> object RadioGroup1:
TRadioGroup
Left = 264
Top = 48
Width = 161
Height = 52
Items.Strings = (
'Formatted'
'Plain')
Caption = 'Text Format'
ItemIndex = 0
TabOrder = 9
OnClick = RadioGroup1Click
Orientation = orHorizontal
end
<-----> object
UnderlineCheckbox: TCheckBox
Left = 432
Top = 60
Width = 120
Height = 35
Caption = 'Underline Links'
TabOrder = 10

private
{ Private declarations }
public
{ Public declarations }
end;
<----->procedure ShowAboutBox;
implementation
{SR *.xfrm}
<----->procedure ShowAboutBox;
begin
with
TAboutForm.Create(Application)
do
begin
ShowModal;
Free;
end;
end;
<----->procedure
TAboutForm.Button1Click(Sender:
TObject);
begin
Close;
end;
end.
////////
unit EditFrm;
interface
uses
SysUtils, Types, Classes,
QGraphics, QControls, QForms,
QDialogs,
QStdCtrls;
type
TEditForm = class(TForm)
memText: TMemo;

Procedures22
الملفات التنفيذية لبرنامج
(BasicEd)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program BasicEd;
uses
QForms,
MainFrm in 'MainFrm.pas'
{MainForm},
AboutFrm in 'AboutFrm.pas'
{AboutForm},
EditFrm in 'EditFrm.pas'
{EditForm};
begin
Application.CreateForm(TMainFor
m, MainForm);
Application.Run;
end.
////////
unit AboutFrm;
interface
uses
SysUtils, Types, Classes,
QGraphics, QControls, QForms,
QDialogs,
QStdCtrls;
type
TAboutForm = class(TForm)
Button1: TButton;
Label1: TLabel;
<----->procedure
Button1Click(Sender: TObject);

ToolButton5: TToolButton;
ToolButton6: TToolButton;
mnuFile: TMenuItem;
mnuNew: TMenuItem;
mnuOpen: TMenuItem;
mnuSave: TMenuItem;
mnuEdit: TMenuItem;
mnuCut: TMenuItem;
mnuCopy: TMenuItem;
mnuPaste: TMenuItem;
mnuExit: TMenuItem;
mnuHelp: TMenuItem;
mnuAbout: TMenuItem;
OpenDialog: TOpenDialog;
SaveDialog: TSaveDialog;
ActionList: TActionList;
actnCut: TEditCut;
actnCopy: TEditCopy;
actnPaste: TEditPaste;
actnSelectAll: TEditSelectAll;
actnDelete: TEditDelete;
actnWinClose: TWindowClose;
actnWinCascade:
TWindowCascade;
actnWinTile: TWindowTile;
actnWinMinimizeAll:
TWindowMinimizeAll;
actnNew: TAction;
actnSave: TAction;
actnOpen: TAction;
actnExit: TAction;
mnuWindow: TMenuItem;
mnuTile: TMenuItem;
N1: TMenuItem;
mnuSelectAll: TMenuItem;
mnuMinimize: TMenuItem;
mnuCascade: TMenuItem;
mnuClose: TMenuItem;
N2: TMenuItem;
N3: TMenuItem;
ToolButton7: TToolButton;
ImageList: TImageList;
<----->procedure mnuAboutClick(Sender: TObject);
<----->procedure actnNewExecute(Sender: TObject);
<----->procedure actnSaveExecute(Sender: TObject);

<----->procedure FormClose(Sender: TObject; var Action: TCloseAction);
private { Private declarations }
public { Public declarations }
end;
implementation
{SR *.xfm}
<----->procedure TEditForm.FormClose(Sender: TObject; var Action: TCloseAction);
begin Action := caFree;
end;
end.
////////////////////////////////////
unit MainFrm;
interface
uses SysUtils, Types, Classes, QGraphics, QControls, QForms, QDialogs, QExtCtrls, QComCtrls, QTypes, QMenus, QStdCtrls, QImgList, QActnList, QStdActns;
type TMainForm = class(TForm) MainMenu: TMainMenu; StatusBar1: TStatusBar; ToolBar1: TToolBar; ToolButton1: TToolButton; ToolButton2: TToolButton; ToolButton3: TToolButton; ToolButton4: TToolButton;

begin
ShowAboutBox;
end;
<----->procedure TMainForm.actnNewExecute(Sender: TObject);
begin
CreateMDIChild(sUntitled + IntToStr(MDIChildCount + 1));
end;
<----->procedure TMainForm.actnSaveExecute(Sender: TObject);
begin
if not Assigned(ActiveMDIChild) then
Exit;
SaveDialog.FileName := ActiveMDIChild.Caption;
if SaveDialog.Execute then
begin
if ActiveMDIChild is TEditForm then
TEditForm(ActiveMDIChild).memText.Lines.SaveToFile(SaveDialog.FileName);
ActiveMDIChild.Caption := SaveDialog.FileName;
end;
end;
<----->procedure TMainForm.actnOpenExecute(Sender: TObject);
begin
if OpenFileDialog.Execute then
begin
if ActiveMDIChild is TEditForm then
TEditForm(ActiveMDIChild).memText.Lines.LoadFromFile(OpenDialog.FileName);
ActiveMDIChild.Caption := OpenFileDialog.FileName;
end;

<----->procedure actnOpenExecute(Sender: TObject);
<----->procedure actnExitExecute(Sender: TObject);
<----->procedure actnWinCloseExecute(Sender: TObject);
<----->procedure FormCreate(Sender: TObject);
private
<----->procedure CreateMDIChild(const Name: string);
{ Private declarations }
public
{ Public declarations }
end;
var
MainForm: TMainForm;
implementation
{ \$R *.xfm }
uses
AboutFrm, EditFrm;
resourcestring
sUntitled = 'Untitled';
<----->procedure TMainForm.CreateMDIChild(const Name: string);
var
Child: TEditForm;
begin
{ create a new MDI child window }
Child := TEditForm.Create(Application);
Child.Caption := Name;
if FileExists(Name) then
Child.MemText.Lines.LoadFromFile(Name);
end;
<----->procedure TMainForm.mnuAboutClick(Sender: TObject);

Position = poDefault
Scaled = False
OnCreate = FormCreate
PixelsPerInch = 96
<----->Object StatusBar1:
TStatusBar
Left = 0
Top = 339
Width = 480
Height = 19
Font.CharSet = fcsLatin1
Font.Color = clBlack
Font.Height = 13
Font.Name = 'Helvetica'
Font.Pitch = fpVariable
Font.Style = []
Font.Weight = 40
Panels = <>
ParentColor = True
ParentFont = False
end
<----->Object ToolBar1:
TToolBar
Left = 0
Top = 0
Width = 480
Height = 29
ButtonHeight = 23
Flat = True
Images = ImageList
TabOrder = 1
<----->Object ToolButton1:
TToolButton
HelpType = htContext
Left = 1
Top = 4
Height = 23
Action = actnNew
Caption = '&New'
ParentShowHint = False
ShowHint = True
end
<----->Object ToolButton2:
TToolButton
HelpType = htContext
Left = 47
Top = 4
Height = 23

end;
<----->procedure
TMainForm.actnExitExecute(Sender: TObject);
begin
Close;
end;
<----->procedure
TMainForm.actnWinCloseExecute(Sender: TObject);
begin
ActiveMDIChild.Close;
end;
<----->procedure
TMainForm.FormCreate(Sender: TObject);
begin
actnNewExecute(nil);
end;
end.
///////

<----->Object\$54
الملف النصي لبرنامج
(BasicEd)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<----->Object MainForm:
TMainForm
Left = 183
Top = 108
Width = 480
Height = 381
VertScrollBar.Range = 48
Caption = 'Basic Edit'
Color = clBackground
FormStyle = fsMDIForm
Menu = MainMenu

end
<----->Object ToolButton7: TToolButton
HelpType = htContext
Left = 24
Top = 4
Height = 23
Action = actnOpen
Caption = '&Open'
end
end
<----->Object MainMenu: TMainMenu
Images = ImageList
Left = 24
Top = 40
<----->Object mnuFile: TMenuItem
Caption = 'File'
HelpType = htContext
<----->Object mnuNew: TMenuItem
Action = actnNew
end
<----->Object mnuOpen: TMenuItem
Action = actnOpen
end
<----->Object mnuSave: TMenuItem
Action = actnSave
end
<----->Object N3: TMenuItem
Caption = '-'
HelpType = htContext
end
<----->Object mnuExit: TMenuItem
Action = actnExit
end
end
<----->Object mnuEdit: TMenuItem
Caption = 'Edit'
HelpType = htContext
<----->Object mnuCut: TMenuItem
Action = actnCut

Action = actnSave
Caption = 'Save As...'
ParentShowHint = False
ShowHint = True
end
<----->Object ToolButton3: TToolButton
Left = 70
Top = 4
Width = 8
Height = 23
Style = tbsSeparator
Caption = 'ToolButton3'
ImageIndex = 2
Wrap = True
end
<----->Object ToolButton4: TToolButton
HelpType = htContext
Left = 78
Top = 4
Height = 23
Action = actnCut
Caption = 'Cu&t'
ParentShowHint = False
ShowHint = True
end
<----->Object ToolButton5: TToolButton
HelpType = htContext
Left = 101
Top = 4
Height = 23
Action = actnCopy
Caption = '&Copy'
ParentShowHint = False
ShowHint = True
end
<----->Object ToolButton6: TToolButton
HelpType = htContext
Left = 124
Top = 4
Height = 23
Action = actnPaste
Caption = '&Paste'
ParentShowHint = False
ShowHint = True

TMenuItem
Caption = 'About...'
OnClick = mnuAboutClick
HelpType = htContext
end
end
end
<----->Object OpenFileDialog:
TOpenDialog
Filter = '*.txt|*.*'#10
FilterIndex = 0
Height = 0
Title = 'Open a text file'
Width = 0
Left = 168
Top = 40
end
<----->Object SaveDialog:
TSaveDialog
DefaultExt = 'txt'
FilterIndex = 0
Height = 0
Title = 'Save As'
Width = 0
Left = 96
Top = 40
end
<----->Object ActionList:
TActionList
Images = ImageList
Left = 240
Top = 40
<----->Object actnNew: TAction
Category = 'File'
Caption = '&New'
Hint = 'Create a new text file'
ImageIndex = 0
OnExecute = actnNewExecute
end
<----->Object actnCut: TEditCut
Category = 'Edit'
Caption = 'Cu&t'
Hint = 'Cut'
ImageIndex = 3
Shortcut = 16472
end
<----->Object actnCopy:
TEditCopy

end
<----->Object mnuCopy:
TMenuItem
Action = actnCopy
end
<----->Object mnuPaste:
TMenuItem
Action = actnPaste
end
<----->Object N1: TMenuItem
Caption = '-'
HelpType = htContext
end
<----->Object mnuSelectAll:
TMenuItem
Action = actnSelectAll
end
end
<----->Object mnuWindow:
TMenuItem
Caption = 'Window'
HelpType = htContext
<----->Object mnuTile:
TMenuItem
Action = actnWinTile
end
<----->Object mnuMinimize:
TMenuItem
Action = actnWinMinimizeAll
end
<----->Object mnuCascade:
TMenuItem
Action = actnWinCascade
end
<----->Object N2: TMenuItem
Caption = '-'
HelpType = htContext
end
<----->Object mnuClose:
TMenuItem
Action = actnWinClose
end
end
<----->Object mnuHelp:
TMenuItem
Caption = 'Help'
HelpType = htContext
<----->Object mnuAbout:

Category = 'Window'
Caption = '&Tile Windows'
end
<----->Object
actnWinMinimizeAll:
TWindowMinimizeAll
Category = 'Window'
Caption = '&Minimize All'
end
<----->Object actnSave: TAction
Category = 'File'
Caption = 'Save As...'
Hint = 'Save the current file as...'
ImageIndex = 2
ShortCut = 16467
OnExecute = actnSaveExecute
end
<----->Object actnExit: TAction
Category = 'File'
Caption = 'E&xit'
OnExecute = actnExitExecute
end
end
<----->Object ImageList:
TImageList
Left = 304
Top = 40
Bitmap = {
end
End
////
<----->Object AboutForm:
TAboutForm
Left = 164
Top = 119
Width = 365
Height = 220
VertScrollBar.Range = 193
HorzScrollBar.Range = 353
ActiveControl = Button1
BorderStyle = fbsDialog
Caption = 'About'
Color = clBackground
Constraints.MaxHeight = 220
Constraints.MaxWidth = 365
Constraints.MinHeight = 220
Constraints.MinWidth = 365

Category = 'Edit'
Caption = '&Copy'
Hint = 'Copy'
ImageIndex = 4
ShortCut = 16451
end
<----->Object actnOpen:
TAction
Category = 'File'
Caption = '&Open'
Hint = 'Open a text file'
ImageIndex = 1
OnExecute = actnOpenExecute
end
<----->Object actnPaste:
TEditPaste
Category = 'Edit'
Caption = '&Paste'
Hint = 'Paste'
ImageIndex = 5
ShortCut = 16470
end
<----->Object actnSelectAll:
TEditSelectAll
Category = 'Edit'
Caption = 'Select &All'
end
<----->Object actnDelete:
TEditDelete
Category = 'Edit'
Caption = '&Delete'
ImageIndex = 6
ShortCut = 4103
end
<----->Object actnWinClose:
TWindowClose
Category = 'Window'
Caption = 'C&lose'
OnExecute =
actnWinCloseExecute
end
<----->Object actnWinCascade:
TWindowCascade
Category = 'Window'
Caption = '&Cascade'
end
<----->Object actnWinTile:
TWindowTile

TabOrder = 0
end
End
////////////////////////////////////

Procedures29
الملف التنفيذي لبرنامج
(docking)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١

unit uMain;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
Menus, StdCtrls, ComCtrls, ActnList, ToolWin, ExtCtrls, uDockForm;
type
TMainForm = class(TForm)
CoolBar1: TCoolBar;
ToolBar1: TToolBar;
ToolBar2: TToolBar;
ToolButton1: TToolButton;
ToolButton2: TToolButton;
ToolButton3: TToolButton;
ToolButton5: TToolButton;
ToolButton6: TToolButton;
ToolButton7: TToolButton;
ToolButton13: TToolButton;
btnToolBar1: TToolButton;
btnToolBar2: TToolButton;
ActionList1: TActionList;
ViewToolBar1: TAction;
ViewToolBar2: TAction;
LeftDockPanel: TPanel;
BottomDockPanel: TPanel;

Scaled = False
PixelsPerInch = 96
<----->Object Button1: TButton
Left = 144
Top = 168
Width = 75
Height = 25
Caption = 'OK'
TabOrder = 1
OnClick = Button1Click
end
<----->Object Label1: TLabel
Left = 16
Top = 16
Width = 337
Height = 30
AutoSize = False
Caption = 'Simple Text Editor (c) 2001 Borland Software Corporation'
Layout = tlCenter
end
End
//////
<----->Object EditForm: TEditForm
Left = 162
Top = 119
Width = 357
Height = 267
ActiveControl = memText
Caption = 'EditForm'
Color = clBackground
FormStyle = fsMDIChild
Position = poDefault
OnClose = FormClose
PixelsPerInch = 75
TextHeight = 13
TextWidth = 6
<----->Object memText: TMemo
Left = 0
Top = 0
Width = 357
Height = 267
Align = alClient

TObject;
Source: TDragDockObject; X,
Y: Integer; State: TDragState;
var Accept: Boolean);
<-----> procedure
BottomDockPanelDockOver(Sender
: TObject;
Source: TDragDockObject; X,
Y: Integer; State: TDragState;
var Accept: Boolean);
<-----> procedure
LeftDockPanelUnDock(Sender:
TObject; Client: TControl;
NewTarget: TWinControl; var
Allow: Boolean);
<-----> procedure
ExitActionExecute(Sender:
TObject);
<-----> procedure
ViewWhiteWindowExecute(Sender:
TObject);
<-----> procedure
LeftDockPanelGetSiteInfo(Sender:
TObject;
DockClient: TControl; var
InfluenceRect: TRect; MousePos:
TPoint;
var CanDock: Boolean);
private
<-----> procedure
CreateDockableWindows;
public
<-----> procedure
ShowDockPanel(APanel: TPanel;
MakeVisible: Boolean; Client:
TControl);
end;
var
MainForm: TMainForm;
implementation
uses uTabHost, uConjoinHost;
{SR *.dfm}
const
Colors: array[0..6] of TColor =

VSplitter: TSplitter;
HSplitter: TSplitter;
MainMenu1: TMainMenu;
File2: TMenuItem;
Exit2: TMenuItem;
View2: TMenuItem;
N2: TMenuItem;
ToolBar21: TMenuItem;
ToolBar11: TMenuItem;
ToolButton16: TToolButton;
ViewWhiteWindow: TAction;
ExitAction: TAction;
ViewBlueWindow: TAction;
ViewGreenWindow: TAction;
ViewRedWindow: TAction;
ViewTealWindow: TAction;
ViewPurpleWindow: TAction;
ViewLimeWindow: TAction;
ToolButton4: TToolButton;
White1: TMenuItem;
Blue1: TMenuItem;
Green1: TMenuItem;
Lime1: TMenuItem;
Purple1: TMenuItem;
Red1: TMenuItem;
Teal1: TMenuItem;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
CoolBar1DockOver(Sender:
TObject; Source:
TDragDockObject; X,
Y: Integer; State: TDragState;
var Accept: Boolean);
<-----> procedure
ViewToolBar1Execute(Sender:
TObject);
<-----> procedure
ViewToolBar2Execute(Sender:
TObject);
<-----> procedure
Exit1Click(Sender: TObject);
<-----> procedure
LeftDockPanelDockDrop(Sender:
TObject;
Source: TDragDockObject; X,
Y: Integer);
<-----> procedure
LeftDockPanelDockOver(Sender:

nder: TObject; Source: TDragDockObject;	(clWhite, clBlue, clGreen, clRed, clTeal,
X, Y: Integer; State: TDragState; var Accept: Boolean);	clPurple,
var	clLime);
ARect: TRect;	ColStr: array[0..6] of string = ('White', 'Blue', 'Green', 'Red', 'Teal',
begin	'Purple',
Accept := (Source.Control is TToolBar);	'Lime');
if Accept then	
begin	var
//Modify the DockRect to preview dock area (Coolbar client area)	DockWindows: array[0..6] of TDockableForm;
ARect.TopLeft := CoolBar1.ClientToScreen(CoolBar1. ClientRect.TopLeft);	{TMainForm}
ARect.BottomRight := CoolBar1.ClientToScreen(CoolBar1. ClientRect.BottomRight);	procedure TMainForm.FormCreate(Sender: TObject);
Source.DockRect := ARect;	begin
end;	CreateDockableWindows;
end;	end;
procedure TMainForm.ViewToolBar1Execute(Sender: TObject);	procedure TMainForm.CreateDockableWindo ws;
begin	var
//Toggles the visible state of ToolBar1, regardless of it's docked state.	I: Integer;
ToolBar11.Checked := not ToolBar11.Checked;	begin
btnToolBar1.Down := ToolBar11.Checked;	for I := 0 to High(DockWindows) do
if ToolBar1.Floating then	begin
ToolBar1.HostDockSite.Visible := ToolBar11.Checked	DockWindows[I] := TDockableForm.Create(Application);
else	DockWindows[I].Caption := ColStr[I];
ToolBar1.Visible := ToolBar11.Checked;	DockWindows[I].Memo1.Color := Colors[I];
end;	DockWindows[I].Memo1.Font.Color := Colors[I] xor \$00FFFFFF;
	DockWindows[I].Memo1.Text := ColStr[I] + ' window ';
procedure TMainForm.ViewToolBar2Execute(Sender: TObject);	end;
begin	end;
//Toggles the visible state of ToolBar2, regardless of it's docked state.	
	procedure TMainForm.CoolBar1DockOver(Se

ARect: TRect;
begin
Accept := Source.Control is TDockableForm;
if Accept then
begin
//Modify the DockRect to preview dock area.
ARect.TopLeft := LeftDockPanel.ClientToScreen(Point(0, 0));
ARect.BottomRight := LeftDockPanel.ClientToScreen(Point(Self.ClientWidth div 3, LeftDockPanel.Height));
Source.DockRect := ARect;
end;
end;
procedure TMainForm.BottomDockPanelDockOver(Sender: TObject;
Source: TDragDockObject; X, Y: Integer; State: TDragState;
var Accept: Boolean);
var
ARect: TRect;
begin
Accept := Source.Control is TDockableForm;
if Accept then
begin
//Modify the DockRect to preview dock area.
ARect.TopLeft := BottomDockPanel.ClientToScreen(Point(0, -Self.ClientHeight div 3));
ARect.BottomRight := BottomDockPanel.ClientToScreen(Point(BottomDockPanel.Width, BottomDockPanel.Height));
Source.DockRect := ARect;
end;
end;
procedure TMainForm.LeftDockPanelUnDock(Sender: TObject; Client: TControl;

ToolBar21.Checked := not ToolBar21.Checked;
btnToolBar2.Down := ToolBar21.Checked;
if ToolBar2.Floating then
TToolDockForm(ToolBar2.HostDockSite).Visible := ToolBar21.Checked
else
ToolBar2.Visible := ToolBar21.Checked;
end;
procedure TMainForm.Exit1Click(Sender: TObject);
begin
Close;
end;
procedure TMainForm.LeftDockPanelDockDrop(Sender: TObject;
Source: TDragDockObject; X, Y: Integer);
begin
//OnDockDrop gets called AFTER the client has actually docked,
//so we check for DockClientCount = 1 before making the dock panel visible.
if (Sender as TPanel).DockClientCount = 1 then
ShowDockPanel(Sender as TPanel, True, nil);
(Sender as TPanel).DockManager.ResetBounds(True);
//Make DockManager repaints it's clients.
end;
procedure TMainForm.LeftDockPanelDockOver(Sender: TObject;
Source: TDragDockObject; X, Y: Integer; State: TDragState;
var Accept: Boolean);
var

if APanel = LeftDockPanel then
begin
APanel.Width := ClientWidth
div 3;
VSplitter.Left := APanel.Width
+ VSplitter.Width;
end
else begin
APanel.Height := ClientHeight
div 3;
HSplitter.Top := ClientHeight -
APanel.Height - HSplitter.Width;
end
else
if APanel = LeftDockPanel then
APanel.Width := 0
else
APanel.Height := 0;
if MakeVisible and (Client <> nil)
then Client.Show;
end;
procedure
TMainForm.ExitActionExecute(Sen
der: TObject);
begin
Close;
end;
procedure
TMainForm.ViewWhiteWindowExe
cute(Sender: TObject);
var
DockWindow: TDockableForm;
begin
DockWindow :=
DockWindows[(Sender as
TComponent).Tag];
with DockWindow do
//if the docked window is
TabDocked, it is docked to the
PageControl
//(owned by TTabDockHost) so
show the host form.
if HostDockSite is TPageControl
then
TTabDockHost(HostDockSite.Owne
r).Show

NewTarget: TWinControl; var
Allow: Boolean);
begin
//OnUnDock gets called BEFORE
the client is undocked, in order to
optionally
//disallow the undock.
DockClientCount is never 0 when
called from this event.
if (Sender as
TPanel).DockClientCount = 1 then
ShowDockPanel(Sender as
TPanel, False, nil);
end;
procedure
TMainForm.ShowDockPanel(APane
l: TPanel; MakeVisible: Boolean;
Client: TControl);
begin
//Client - the docked client to show
if we are re-showing the panel.
//Client is ignored if hiding the
panel.
//Since docking to a non-visible
docksite isn't allowed, instead of
setting
//Visible for the panels we set the
width to zero. The default
InfluenceRect
//for a control extends a few pixels
beyond it's boundaries, so it is
possible
//to dock to zero width controls.
//Don't try to hide a panel which
has visible dock clients.
if not MakeVisible and
(APanel.VisibleDockClientCount >
1) then
Exit;
if APanel = LeftDockPanel then
VSplitter.Visible := MakeVisible
else
HSplitter.Visible := MakeVisible;
if MakeVisible then

unit uConjoinHost;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, uDockForm;
type
TConjoinDockHost = class(TForm)
<-----> procedure FormClose(Sender: TObject; var Action: TCloseAction);
<-----> procedure FormDockDrop(Sender: TObject; Source: TDragDockObject; X, Y: Integer);
<-----> procedure FormUnDock(Sender: TObject; Client: TControl; NewTarget: TWinControl; var Allow: Boolean);
<-----> procedure FormDockOver(Sender: TObject; Source: TDragDockObject; X, Y: Integer; State: TDragState; var Accept: Boolean);
<-----> procedure FormGetSiteInfo(Sender: TObject; DockClient: TControl; var InfluenceRect: TRect; MousePos: TPoint; var CanDock: Boolean);
private
<-----> procedure DoFloat(AControl: TControl);
public
<-----> procedure UpdateCaption(Exclude: TControl); end;
var
ConjoinDockHost: TConjoinDockHost;
implementation
{SR *.dfm}

else
//If window is conjoin-docked, host and/or form may not be visible
//so show both.
if (HostDockSite is TConjoinDockHost) and not HostDockSite.Visible then
begin
HostDockSite.Show;
TConjoinDockHost(HostDockSite).U pdateCaption(nil);
DockWindow.Show;
end else
//If form is docked to one of the "hidden" docking panels, resize the //panel and re-show the docked form.
if (HostDockSite is TPanel) and ((HostDockSite.Height = 0) or (HostDockSite.Width = 0)) then
MainForm.ShowDockPanel(HostDo ckSite as TPanel, True, DockWindow)
else
//if the window isn't docked at all, simply show it.
DockWindow.Show;
end;
procedure TMainForm.LeftDockPanelGetSiteI nfo(Sender: TObject; DockClient: TControl; var InfluenceRect: TRect; MousePos: TPoint; var CanDock: Boolean);
begin
//if CanDock is true, the panel will not automatically draw the preview rect.
CanDock := DockClient is TDockableForm;
end;
end.
////////////////////////////////

```

Caption := Caption +
TDockableForm(DockClients[I]).Caption + ' ';
end;

procedure
TConjoinDockHost.FormDockDrop(
Sender: TObject;
Source: TDragDockObject; X, Y:
Integer);
begin
UpdateCaption(nil);
DockManager.ResetBounds(True);
//Force DockManager to redraw it's
clients.
end;

procedure
TConjoinDockHost.FormUnDock(Se
nder: TObject; Client: TControl;
NewTarget: TWinControl; var
Allow: Boolean);
begin
//only 2 dock clients means the host
must be destroyed and
//the remaining window undocked
to its old position and size.
//(Recall that OnUnDock gets called
before the undocking actually
occurs)
if Client is TDockableForm then
TDockableForm(Client).DockSite
:= True;
if (DockClientCount = 2) and
(NewTarget <> Self) then
PostMessage(Self.Handle,
WM_CLOSE, 0, 0);
UpdateCaption(Client);
end;

procedure
TConjoinDockHost.FormDockOver(
Sender: TObject;
Source: TDragDockObject; X, Y:
Integer; State: TDragState;
var Accept: Boolean);
begin
Accept := Source.Control is
TDockableForm;

```

```

procedure
TConjoinDockHost.DoFloat(AContr
ol: TControl);
var
ARect: TRect;
begin
//float the control with its original
size.
ARect.TopLeft :=
AControl.ClientToScreen(Point(0,
0));
ARect.BottomRight :=
AControl.ClientToScreen(Point(AC
ontrol.UndockWidth,
AControl.UndockHeight));
AControl.ManualFloat(ARect);
end;

procedure
TConjoinDockHost.FormClose(Send
er: TObject;
var Action: TCloseAction);
begin
if DockClientCount = 1 then
begin
DoFloat(DockClients[0]);
Action := caFree;
end else
Action := caHide;
end;

procedure
TConjoinDockHost.UpdateCaption(
Exclude: TControl);
var
I: Integer;
begin
//if a dockable form is undocking, it
will pass itself in as Exclude
//because even it hasn't actually
been taken out of the DockClient
array
//at this point.
Caption := '';
for I := 0 to DockClientCount-1 do
if DockClients[I].Visible and
(DockClients[I] <> Exclude) then

```

CM_DOCKCLIENT;
public
end;
implementation
{SR *.dfm}
uses ComCtrls, uTabHost, uConjoinHost, uMain;
procedure TDockableForm.FormDockOver(Se nder: TObject; Source: TDragDockObject; X, Y: Integer; State: TDragState; var Accept: Boolean);
var
ARect: TRect;
begin
Accept := (Source.Control is TDockableForm);
//Draw dock preview depending on where the cursor is relative to our client area
if Accept and (ComputeDockingRect(ARect, Point(X, Y)) <> alNone) then
Source.DockRect := ARect;
end;
function TDockableForm.ComputeDockingR ect(var DockRect: TRect; MousePos: TPoint): TAlign;
var
DockTopRect,
DockLeftRect,
DockBottomRect,
DockRightRect,
DockCenterRect: TRect;
begin
Result := alNone;
//divide form up into docking "Zones"
DockLeftRect.TopLeft := Point(0, 0);
DockLeftRect.BottomRight :=

end;
procedure TConjoinDockHost.FormGetSiteInf o(Sender: TObject; DockClient: TControl; var InfluenceRect: TRect; MousePos: TPoint; var CanDock: Boolean);
begin
CanDock := DockClient is TDockableForm;
end;
end.
//////////
unit uDockForm;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, Menus, ExtCtrls, StdCtrls;
type
TDockableForm = class(TForm)
Memo1: TMemo;
<-----> procedure FormDockOver(Sender: TObject; Source: TDragDockObject; X, Y: Integer; State: TDragState; var Accept: Boolean);
<-----> procedure FormClose(Sender: TObject; var Action: TCloseAction);
<-----> procedure FormShow(Sender: TObject);
private
function ComputeDockingRect(var DockRect: TRect; MousePos: TPoint): TAlign;
<-----> procedure CMDockClient(var Message: TCMDockClient); message

ClientHeight div 2;
end
else
if PtInRect(DockRightRect, MousePos) then
begin
Result := alRight;
DockRect := DockRightRect;
DockRect.Left := ClientWidth div 2;
end
else
if PtInRect(DockBottomRect, MousePos) then
begin
Result := alBottom;
DockRect := DockBottomRect;
DockRect.Left := 0;
DockRect.Right := ClientWidth;
DockRect.Top := ClientHeight div 2;
end
else
if PtInRect(DockCenterRect, MousePos) then
begin
Result := alClient;
DockRect := DockCenterRect;
end;
if Result = alNone then Exit;
//DockRect is in screen coordinates.
DockRect.TopLeft := ClientToScreen(DockRect.TopLeft);
DockRect.BottomRight := ClientToScreen(DockRect.BottomRight);
end;
procedure TDockableForm.FormClose(Sender: TObject;
var Action: TCloseAction);
begin
//the action taken depends on how the form is docked.

Point(ClientWidth div 5, ClientHeight);
DockTopRect.TopLeft := Point(ClientWidth div 5, 0);
DockTopRect.BottomRight := Point(ClientWidth div 5 * 4, ClientHeight div 5);
DockRightRect.TopLeft := Point(ClientWidth div 5 * 4, 0);
DockRightRect.BottomRight := Point(ClientWidth, ClientHeight);
DockBottomRect.TopLeft := Point(ClientWidth div 5, ClientHeight div 5 * 4);
DockBottomRect.BottomRight := Point(ClientWidth div 5 * 4, ClientHeight);
DockCenterRect.TopLeft := Point(ClientWidth div 5, ClientHeight div 5);
DockCenterRect.BottomRight := Point(ClientWidth div 5 * 4, ClientHeight div 5 * 4);
//Find out where the mouse cursor is, to decide where to draw dock preview.
if PtInRect(DockLeftRect, MousePos) then
begin
Result := alLeft;
DockRect := DockLeftRect;
DockRect.Right := ClientWidth div 2;
end
else
if PtInRect(DockTopRect, MousePos) then
begin
Result := alTop;
DockRect := DockTopRect;
DockRect.Left := 0;
DockRect.Right := ClientWidth;
DockRect.Bottom :=

ManualDock can be safely called during a drag
//operation is we override processing of CM_DOCKCLIENT.
if Message.DockSource.Control is TDockableForm then
begin
//Find out how to dock (Using a TAlign as the result of ComputeDockingRect)
Pt.x := Message.MousePos.x;
Pt.y := Message.MousePos.y;
DockType :=
ComputeDockingRect(ARect, Pt);
//if we are over a dockable form docked to a panel in the
//main window, manually dock the dragged form to the panel with
//the correct orientation.
if (HostDockSite is TPanel) then
begin
Message.DockSource.Control.ManualDock(HostDockSite, nil, DockType);
Exit;
end;
//alClient => Create a TabDockHost and manually dock both forms to the PageControl
//owned by the TabDockHost.
if DockType = alClient then
begin
Host :=
TTabDockHost.Create(Application);
Host.BoundsRect :=
Self.BoundsRect;
Self.ManualDock(TTabDockHost(Host).PageControl1, nil, alClient);
Message.DockSource.Control.ManualDock(TTabDockHost(Host).PageControl1, nil, alClient);
Host.Visible := True;

if (HostDockSite is TConjoinDockHost) then
begin
//remove the form's caption from the conjoin dock host's caption list
TConjoinDockHost(HostDockSite).UpdateCaption(Self);
//if we're the last visible form on a conjoined form, hide the form
if
HostDockSite.VisibleDockClientCount <= 1 then
HostDockSite.Hide;
end;
//if docked to a panel, tell the panel to hide itself. If there are other
//visible dock clients on the panel, it ShowDockPanel won't allow it to
//be hidden
if (HostDockSite is TPanel) then
MainForm.ShowDockPanel(HostDockSite as TPanel, False, nil);
Action := caHide;
end;
procedure
TDockableForm.CMDockClient(var Message: TCMDockClient);
var
ARect: TRect;
DockType: TAlign;
Host: TForm;
Pt: TPoint;
begin
//Overriding this message allows the dock form to create host forms
//depending on the mouse position when docking occurs. If we don't override
//this message, the form will use VCL's default DockManager.
//NOTE: the only time

uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, ComCtrls;
type
TTabDockHost = class(TForm)
PageControl1: TPageControl;
<-----> procedure FormClose(Sender: TObject; var Action: TCloseAction);
<-----> procedure PageControl1UnDock(Sender: TObject; Client: TControl; NewTarget: TWinControl; var Allow: Boolean);
<-----> procedure PageControl1GetSiteInfo(Sender: TObject; DockClient: TControl; var InfluenceRect: TRect; MousePos: TPoint; var CanDock: Boolean);
<-----> procedure PageControl1DockOver(Sender: TObject; Source: TDragDockObject; X, Y: Integer; State: TDragState; var Accept: Boolean);
private
{ Private declarations }
public
{ Public declarations }
end;
var
TabDockHost: TTabDockHost;
implementation
{ \$R *.dfm }
uses uDockForm;
procedure TTabDockHost.FormClose(Sender: TObject;

end
//if DockType <> alClient, create the ConjoinDockHost and manually dock both
//forms to it. Be sure to make dockable forms non-dockable when hosted by
// ConjoinDockForm, since it is using the VCL default DockManager.
else begin
Host := TConjoinDockHost.Create(Applicati on);
Host.BoundsRect := Self.BoundsRect;
Self.ManualDock(Host, nil, alNone);
Self.DockSite := False;
Message.DockSource.Control.Manu alDock(Host, nil, DockType);
TDockableForm(Message.DockSour ce.Control).DockSite := False;
Host.Visible := True;
end;
end;
end;
procedure TDockableForm.FormShow(Sender: TObject);
begin
if HostDockSite is TConjoinDockHost then
TConjoinDockHost(HostDockSite).U pdateCaption(nil);
end;
end.
//////////
unit uTabHost;
interface

procedure
TTabDockHost.PageControl1DockO
ver(Sender: TObject;
Source: TDragDockObject; X, Y:
Integer; State: TDragState;
var Accept: Boolean);
begin
Accept := Source.Control is
TDockableForm;
end;
end.
////////////////////////////////////

<-----> Object s94
الملف النصي لبرنامج
(Docking)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> Object MainForm:
TMainForm
Left = -4
Top = -4
Width = 1032
Height = 746
Caption = 'Docking Demo'
Color = clWindow
ParentFont = True
Menu = MainMenu1
OldCreateOrder = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> Object VSplitter:
TSplitter
Left = 0
Top = 52
Width = 4
Height = 636

var Action: TCloseAction);
var
ARect: TRect;
begin
if PageControl1.DockClientCount =
1 then
begin
with PageControl1.DockClients[0]
do
begin
ARect.TopLeft :=
ClientToScreen(Point(0, 0));
ARect.BottomRight :=
ClientToScreen(Point(UndockWidth
, UndockHeight));
ManualFloat(ARect);
end;
Action := caFree;
end else
Action := caHide;
end;
procedure
TTabDockHost.PageControl1UnDoc
k(Sender: TObject;
Client: TControl; NewTarget:
TWinControl; var Allow: Boolean);
begin
//only 2 dock clients means the host
must be destroyed and
//the remaining window undocked
to its old position and size.
if (PageControl1.DockClientCount
= 2) and (NewTarget <> Self) then
PostMessage(Self.Handle,
WM_CLOSE, 0, 0);
end;
procedure
TTabDockHost.PageControl1GetSit
eInfo(Sender: TObject;
DockClient: TControl; var
InfluenceRect: TRect; MousePos:
TPoint;
var CanDock: Boolean);
begin
CanDock := DockClient is
TDockableForm;
end;

Caption = 'ToolBar1'
Constraints.MaxWidth = 280
DragKind = dkDock
DragMode = dmAutomatic
Flat = True
ShowCaptions = True
TabOrder = 0
Transparent = True
Wrapable = False
<-----> Object ToolButton13:
TToolButton
Left = 0
Top = 0
Action = ExitAction
end
<-----> Object ToolButton16:
TToolButton
Left = 59
Top = 0
Width = 14
Caption = 'ToolButton16'
ImageIndex = 7
Style = tbsSeparator
end
<-----> Object btnToolBar1:
TToolButton
Left = 73
Top = 0
Action = ViewToolBar1
Style = tbsCheck
end
<-----> Object btnToolBar2:
TToolButton
Left = 132
Top = 0
Action = ViewToolBar2
Style = tbsCheck
end
end
<-----> Object ToolBar2:
TToolBar
Left = 9
Top = 25
Width = 390
Height = 23
AutoSize = True
ButtonHeight = 21
ButtonWidth = 43

Visible = False
end
<-----> Object HSplitter:
TSplitter
Left = 0
Top = 688
Width = 1024
Height = 4
Cursor = crVSplit
Align = alBottom
Visible = False
end
<-----> Object CoolBar1:
TCoolBar
Left = 0
Top = 0
Width = 1024
Height = 52
AutoSize = True
BandMaximize = bmDbClick
Bands = <
item
Break = False
Control = ToolBar1
ImageIndex = -1
MinHeight = 23
Width = 1020
end
item
Control = ToolBar2
ImageIndex = -1
MinHeight = 23
Width = 1020
end>
Color = clMenu
DockSite = True
ParentColor = False
OnDockOver =
CoolBar1DockOver
<-----> Object ToolBar1:
TToolBar
Left = 9
Top = 0
Width = 280
Height = 23
AutoSize = True
ButtonHeight = 21
ButtonWidth = 59

Top = 0
Action = ViewTealWindow
end
end
end
<-----> Object LeftDockPanel:
TPanel
Left = 4
Top = 52
Width = 0
Height = 636
Align = alLeft
DockSite = True
TabOrder = 1
OnDockDrop =
LeftDockPanelDockDrop
OnDockOver =
LeftDockPanelDockOver
OnGetSiteInfo =
LeftDockPanelGetSiteInfo
OnUnDock =
LeftDockPanelUnDock
end
<-----> Object BottomDockPanel:
TPanel
Left = 0
Top = 688
Width = 1024
Height = 0
Align = alBottom
DockSite = True
TabOrder = 2
OnDockDrop =
LeftDockPanelDockDrop
OnDockOver =
BottomDockPanelDockOver
OnGetSiteInfo =
LeftDockPanelGetSiteInfo
OnUnDock =
LeftDockPanelUnDock
end
<-----> Object ActionList1:
TActionList
Left = 136
Top = 80
<-----> Object ViewToolBar1:
TAction
Category = 'ViewToolBars'
Caption = 'ToolBar &1'

Caption = 'ToolBar2'
Constraints.MaxWidth = 390
DragKind = dkDock
DragMode = dmAutomatic
Flat = True
ShowCaptions = True
TabOrder = 1
Transparent = True
Wrapable = False
<-----> Object ToolButton1:
TToolButton
Left = 0
Top = 0
Action = ViewWhiteWindow
end
<-----> Object ToolButton2:
TToolButton
Left = 43
Top = 0
Action = ViewBlueWindow
end
<-----> Object ToolButton3:
TToolButton
Left = 86
Top = 0
Action = ViewGreenWindow
end
<-----> Object ToolButton5:
TToolButton
Left = 129
Top = 0
Action = ViewLimeWindow
end
<-----> Object ToolButton6:
TToolButton
Left = 172
Top = 0
Action = ViewPurpleWindow
end
<-----> Object ToolButton7:
TToolButton
Left = 215
Top = 0
Action = ViewRedWindow
end
<-----> Object ToolButton4:
TToolButton
Left = 258

ViewWhiteWindowExecute
end
<-----> Object
ViewTealWindow: TAction
Tag = 4
Category = 'ViewWindows'
Caption = '&Teal'
OnExecute =
ViewWhiteWindowExecute
end
<-----> Object
ViewPurpleWindow: TAction
Tag = 5
Category = 'ViewWindows'
Caption = '&Purple'
OnExecute =
ViewWhiteWindowExecute
end
<-----> Object
ViewLimeWindow: TAction
Tag = 6
Category = 'ViewWindows'
Caption = '&Lime'
OnExecute =
ViewWhiteWindowExecute
end
end
<-----> Object MainMenu1:
TMainMenu
Left = 176
Top = 80
<-----> Object File2:
TMenuItem
Caption = '&File'
<-----> Object Exit2:
TMenuItem
Action = ExitAction
end
end
<-----> Object View2:
TMenuItem
Caption = '&View'
<-----> Object ToolBar11:
TMenuItem
Action = ViewToolBar1
end
<-----> Object ToolBar21:
TMenuItem
Action = ViewToolBar2

Checked = True
ImageIndex = 1
OnExecute =
ViewToolBar1Execute
end
<-----> Object ViewToolBar2:
TAction
Category = 'ViewToolBars'
Caption = 'ToolBar &2'
Checked = True
ImageIndex = 2
OnExecute =
ViewToolBar2Execute
end
<-----> Object
ViewWhiteWindow: TAction
Category = 'ViewWindows'
Caption = '&White'
Hint = 'View white window'
OnExecute =
ViewWhiteWindowExecute
end
<-----> Object ExitAction:
TAction
Caption = 'E&xit'
OnExecute = ExitActionExecute
end
<-----> Object
ViewBlueWindow: TAction
Tag = 1
Category = 'ViewWindows'
Caption = '&Blue'
OnExecute =
ViewWhiteWindowExecute
end
<-----> Object
ViewGreenWindow: TAction
Tag = 2
Category = 'ViewWindows'
Caption = '&Green'
OnExecute =
ViewWhiteWindowExecute
end
<-----> Object
ViewRedWindow: TAction
Tag = 3
Category = 'ViewWindows'
Caption = '&Red'
OnExecute =

Font.Height = -10
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
OnClose = FormClose
PixelsPerInch = 96
TextHeight = 13
<-----> Object PageControl1: TPageControl
Left = 0
Top = 0
Width = 453
Height = 243
Align = alClient
DockSite = True
TabOrder = 0
OnDockOver = PageControl1DockOver
OnGetSiteInfo = PageControl1GetSiteInfo
OnUnDock = PageControl1UnDock
end
End
////////////////////////////////////
<-----> Object ConjoinDockHost: TConjoinDockHost
Left = 152
Top = 118
Width = 606
Height = 337
BorderStyle = bsSizeToolWin
Caption = 'ConjoinDockHost'
Color = clBtnFace
UseDockManager = True
DockSite = True
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -10
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
OnClose = FormClose
OnDockDrop = FormDockDrop
OnDockOver = FormDockOver
OnGetSiteInfo = FormGetSiteInfo
OnUnDock = FormUnDock

end
<-----> Object N2: TMenuItem
Caption = '-'
end
<-----> Object White1: TMenuItem
Action = ViewWhiteWindow
end
<-----> Object Blue1: TMenuItem
Action = ViewBlueWindow
end
<-----> Object Green1: TMenuItem
Action = ViewGreenWindow
end
<-----> Object Lime1: TMenuItem
Action = ViewLimeWindow
end
<-----> Object Purple1: TMenuItem
Action = ViewPurpleWindow
end
<-----> Object Red1: TMenuItem
Action = ViewRedWindow
end
<-----> Object Teal1: TMenuItem
Action = ViewTealWindow
end
end
End
\\\
<-----> Object TabDockHost: TTabDockHost
Left = 184
Top = 119
Width = 461
Height = 277
Caption = 'TabDockHost'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText

Caption = 'Docking Demo'
Color = clWindow
ParentFont = True
Menu = MainMenu1
OldCreateOrder = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> Object VSplitter: TSplitter
Left = 0
Top = 52
Width = 4
Height = 388
Visible = False
end
<-----> Object HSplitter: TSplitter
Left = 0
Top = 440
Width = 675
Height = 4
Cursor = crVSplit
Align = alBottom
Visible = False
end
<-----> Object CoolBar1: TCoolBar
Left = 0
Top = 0
Width = 675
Height = 52
AutoSize = True
BandMaximize = bmDbIClick
Bands = <
item
Break = False
Control = ToolBar1
ImageIndex = -1
MinHeight = 23
Width = 671
end
item
Control = ToolBar2
ImageIndex = -1
MinHeight = 23
Width = 671
end>

PixelsPerInch = 96
TextHeight = 13
End
////////////////////////////////////
<-----> Object DockableForm: TDockableForm
Left = 138
Top = 115
Width = 397
Height = 241
Caption = 'DockableForm'
Color = clBtnFace
DockSite = True
DragKind = dkDock
DragMode = dmAutomatic
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -10
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
OnClose = FormClose
OnDockOver = FormDockOver
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<-----> Object Memo1: TMemo
Left = 0
Top = 0
Width = 389
Height = 207
Align = alClient
Lines.Strings = ('Memo1')
TabOrder = 0
end
End
////////////////////////////////////
<-----> Object MainForm: TMainForm
Left = 181
Top = 152
Width = 683
Height = 498

Top = 0
Action = ViewToolBar2
Style = tbsCheck
end
end
<-----> Object ToolBar2:
TToolBar
Left = 9
Top = 25
Width = 390
Height = 23
AutoSize = True
ButtonHeight = 21
ButtonWidth = 43
Caption = 'ToolBar2'
Constraints.MaxWidth = 390
DragKind = dkDock
DragMode = dmAutomatic
Flat = True
ShowCaptions = True
TabOrder = 1
Transparent = True
Wrapable = False
<-----> Object ToolButton1:
TToolButton
Left = 0
Top = 0
Action = ViewWhiteWindow
end
<-----> Object ToolButton2:
TToolButton
Left = 43
Top = 0
Action = ViewBlueWindow
end
<-----> Object ToolButton3:
TToolButton
Left = 86
Top = 0
Action = ViewGreenWindow
end
<-----> Object ToolButton5:
TToolButton
Left = 129
Top = 0
Action = ViewLimeWindow
end
<-----> Object ToolButton6:

Color = clMenu
DockSite = True
ParentColor = False
OnDockOver =
CoolBar1DockOver
<-----> Object ToolBar1:
TToolBar
Left = 9
Top = 0
Width = 280
Height = 23
AutoSize = True
ButtonHeight = 21
ButtonWidth = 59
Caption = 'ToolBar1'
Constraints.MaxWidth = 280
DragKind = dkDock
DragMode = dmAutomatic
Flat = True
ShowCaptions = True
TabOrder = 0
Transparent = True
Wrapable = False
<-----> Object ToolButton13:
TToolButton
Left = 0
Top = 0
Action = ExitAction
end
<-----> Object ToolButton16:
TToolButton
Left = 59
Top = 0
Width = 14
Caption = 'ToolButton16'
ImageIndex = 7
Style = tbsSeparator
end
<-----> Object btnToolBar1:
TToolButton
Left = 73
Top = 0
Action = ViewToolBar1
Style = tbsCheck
end
<-----> Object btnToolBar2:
TToolButton
Left = 132

OnDockOver =
BottomDockPanelDockOver
OnGetSiteInfo =
LeftDockPanelGetSiteInfo
OnUnDock =
LeftDockPanelUnDock
end
<-----> Object ActionList1:
TActionList
Left = 136
Top = 80
<-----> Object ViewToolBar1:
TAction
Category = 'ViewToolBars'
Caption = 'ToolBar &1'
Checked = True
ImageIndex = 1
OnExecute =
ViewToolBar1Execute
end
<-----> Object ViewToolBar2:
TAction
Category = 'ViewToolBars'
Caption = 'ToolBar &2'
Checked = True
ImageIndex = 2
OnExecute =
ViewToolBar2Execute
end
<-----> Object
ViewWhiteWindow: TAction
Category = 'ViewWindows'
Caption = '&White'
Hint = 'View white window'
OnExecute =
ViewWhiteWindowExecute
end
<-----> Object ExitAction:
TAction
Caption = 'E&xit'
OnExecute = ExitActionExecute
end
<-----> Object
ViewBlueWindow: TAction
Tag = 1
Category = 'ViewWindows'
Caption = '&Blue'
OnExecute =
ViewWhiteWindowExecute

TToolButton
Left = 172
Top = 0
Action = ViewPurpleWindow
end
<-----> Object ToolButton7:
TToolButton
Left = 215
Top = 0
Action = ViewRedWindow
end
<-----> Object ToolButton4:
TToolButton
Left = 258
Top = 0
Action = ViewTealWindow
end
end
end
<-----> Object LeftDockPanel:
TPanel
Left = 4
Top = 52
Width = 0
Height = 388
Align = alLeft
DockSite = True
TabOrder = 1
OnDockDrop =
LeftDockPanelDockDrop
OnDockOver =
LeftDockPanelDockOver
OnGetSiteInfo =
LeftDockPanelGetSiteInfo
OnUnDock =
LeftDockPanelUnDock
end
<-----> Object BottomDockPanel:
TPanel
Left = 0
Top = 440
Width = 675
Height = 0
Align = alBottom
DockSite = True
TabOrder = 2
OnDockDrop =
LeftDockPanelDockDrop

<-----> Object Exit2: TMenuItem
Action = ExitAction
end
end
<-----> Object View2: TMenuItem
Caption = '&View'
<-----> Object ToolBar11: TMenuItem
Action = ViewToolBar1
end
<-----> Object ToolBar21: TMenuItem
Action = ViewToolBar2
end
<-----> Object N2: TMenuItem
Caption = '-'
end
<-----> Object White1: TMenuItem
Action = ViewWhiteWindow
end
<-----> Object Blue1: TMenuItem
Action = ViewBlueWindow
end
<-----> Object Green1: TMenuItem
Action = ViewGreenWindow
end
<-----> Object Lime1: TMenuItem
Action = ViewLimeWindow
end
<-----> Object Purple1: TMenuItem
Action = ViewPurpleWindow
end
<-----> Object Red1: TMenuItem
Action = ViewRedWindow
end
<-----> Object Teal1: TMenuItem
Action = ViewTealWindow
end
end
end

end
<-----> Object ViewGreenWindow: TAction
Tag = 2
Category = 'ViewWindows'
Caption = '&Green'
OnExecute = ViewWhiteWindowExecute
end
<-----> Object ViewRedWindow: TAction
Tag = 3
Category = 'ViewWindows'
Caption = '&Red'
OnExecute = ViewWhiteWindowExecute
end
<-----> Object ViewTealWindow: TAction
Tag = 4
Category = 'ViewWindows'
Caption = '&Teal'
OnExecute = ViewWhiteWindowExecute
end
<-----> Object ViewPurpleWindow: TAction
Tag = 5
Category = 'ViewWindows'
Caption = '&Purple'
OnExecute = ViewWhiteWindowExecute
end
<-----> Object ViewLimeWindow: TAction
Tag = 6
Category = 'ViewWindows'
Caption = '&Lime'
OnExecute = ViewWhiteWindowExecute
end
end
<-----> Object MainMenu1: TMainMenu
Left = 176
Top = 80
<-----> Object File2: TMenuItem
Caption = '&File'

Editor: TRichEdit;
StatusBar: TStatusBar;
StandardToolBar: TToolBar;
OpenButton: TToolButton;
SaveButton: TToolButton;
PrintButton: TToolButton;
ToolButton5: TToolButton;
UndoButton: TToolButton;
CutButton: TToolButton;
CopyButton: TToolButton;
PasteButton: TToolButton;
ToolButton10: TToolButton;
FontName: TComboBox;
FontSize: TEdit;
ToolButton11: TToolButton;
UpDown1: TUpDown;
BoldButton: TToolButton;
ItalicButton: TToolButton;
UnderlineButton: TToolButton;
ToolButton16: TToolButton;
LeftAlign: TToolButton;
CenterAlign: TToolButton;
RightAlign: TToolButton;
ToolButton20: TToolButton;
BulletsButton: TToolButton;
ToolBarImages: TImageList;
ActionList1: TActionList;
FileNewCmd: TAction;
FileOpenCmd: TAction;
FileSaveCmd: TAction;
FilePrintCmd: TAction;
FileExitCmd: TAction;
ToolButton1: TToolButton;
ToolButton2: TToolButton;
Bevel1: TBevel;
LanguageMenu: TMenuItem;
LanguageEnglish: TMenuItem;
LanguageGerman: TMenuItem;
EditCutCmd: TAction;
EditCopyCmd: TAction;
EditPasteCmd: TAction;
EditUndoCmd: TAction;
EditFontCmd: TAction;
FileSaveAsCmd: TAction;
LanguageFrench: TMenuItem;
<-----> procedure
SelectionChange(Sender: TObject);

Procedures90
الملف التنفيذي لبرنامج
(RichEdit)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit remain;
interface
uses
SysUtils, Windows, Messages,
Classes, Graphics, Controls,
Forms, Dialogs, StdCtrls, Buttons,
ExtCtrls, Menus, ComCtrls,
ClipBrd,
ToolWin, ActnList, ImgList;
type
TMainForm = class(TForm)
MainMenu: TMainMenu;
FileNewItem: TMenuItem;
FileOpenItem: TMenuItem;
FileSaveItem: TMenuItem;
FileSaveAsItem: TMenuItem;
FilePrintItem: TMenuItem;
FileExitItem: TMenuItem;
EditUndoItem: TMenuItem;
EditCutItem: TMenuItem;
EditCopyItem: TMenuItem;
EditPasteItem: TMenuItem;
HelpAboutItem: TMenuItem;
OpenDialog: TOpenDialog;
SaveDialog: TSaveDialog;
PrintDialog: TPrintDialog;
Ruler: TPanel;
FontDialog1: TFontDialog;
FirstInd: TLabel;
LeftInd: TLabel;
RulerLine: TBevel;
RightInd: TLabel;
N5: TMenuItem;
miEditFont: TMenuItem;

BulletsButtonClick(Sender: TObject);
<-----> procedure FormCloseQuery(Sender: TObject; var CanClose: Boolean);
<-----> procedure RulerItemMouseDown(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
<-----> procedure RulerItemMouseMove(Sender: TObject; Shift: TShiftState; X, Y: Integer);
<-----> procedure FirstIndMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
<-----> procedure LeftIndMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
<-----> procedure RightIndMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
<-----> procedure FormShow(Sender: TObject);
<-----> procedure RichEditChange(Sender: TObject);
<-----> procedure SwitchLanguage(Sender: TObject);
<-----> procedure ActionList2Update(Action: TBasicAction; var Handled: Boolean);
private
FFileName: string;
FUpdating: Boolean;
FDragOfs: Integer;
FDragging: Boolean;
function CurrText: TTextAttributes;
<-----> procedure GetFontNames;
<-----> procedure

<-----> procedure FormCreate(Sender: TObject);
<-----> procedure ShowHint(Sender: TObject);
<-----> procedure FileNew(Sender: TObject);
<-----> procedure FileOpen(Sender: TObject);
<-----> procedure FileSave(Sender: TObject);
<-----> procedure FileSaveAs(Sender: TObject);
<-----> procedure FilePrint(Sender: TObject);
<-----> procedure FileExit(Sender: TObject);
<-----> procedure EditUndo(Sender: TObject);
<-----> procedure EditCut(Sender: TObject);
<-----> procedure EditCopy(Sender: TObject);
<-----> procedure EditPaste(Sender: TObject);
<-----> procedure HelpAbout(Sender: TObject);
<-----> procedure SelectFont(Sender: TObject);
<-----> procedure RulerResize(Sender: TObject);
<-----> procedure FormResize(Sender: TObject);
<-----> procedure FormPaint(Sender: TObject);
<-----> procedure BoldButtonClick(Sender: TObject);
<-----> procedure ItalicButtonClick(Sender: TObject);
<-----> procedure FontSizeChange(Sender: TObject);
<-----> procedure AlignButtonClick(Sender: TObject);
<-----> procedure FontNameChange(Sender: TObject);
<-----> procedure UnderlineButtonClick(Sender: TObject);
<-----> procedure

LANG GERMAN;
{SR *.dfm}
<-----> procedure TMainForm.SelectionChange(Sender: TObject);
begin
with Editor.Paragraph do
try
FUpdating := True;
FirstInd.Left := Trunc(FirstIndent*RulerAdj)- 4+GutterWid;
LeftInd.Left := Trunc((LeftIndent+FirstIndent)*RulerAdj)-4+GutterWid;
RightInd.Left := Ruler.ClientWidth-6- Trunc((RightIndent+GutterWid)*RulerAdj);
BoldButton.Down := fsBold in Editor.SelAttributes.Style;
ItalicButton.Down := fsItalic in Editor.SelAttributes.Style;
UnderlineButton.Down := fsUnderline in Editor.SelAttributes.Style;
BulletsButton.Down := Boolean(Numbering);
FontSize.Text := IntToStr(Editor.SelAttributes.Size);
FontName.Text := Editor.SelAttributes.Name;
case Ord(Alignment) of
0: LeftAlign.Down := True;
1: RightAlign.Down := True;
2: CenterAlign.Down := True;
end;
UpdateCursorPos;
finally
FUpdating := False;
end;
end;
function TMainForm.CurrText: TTextAttributes;
begin
if Editor.SelLength > 0 then Result

SetFileName(const FileName: String);
<-----> procedure CheckFileSave;
<-----> procedure SetupRuler;
<-----> procedure SetEditRect;
<-----> procedure UpdateCursorPos;
<-----> procedure WMDropFiles(var Msg: TWMDropFiles); message WM_DROPFILES;
<-----> procedure PerformFileOpen(const AFileName: string);
<-----> procedure SetModified(Value: Boolean);
end;
var
MainForm: TMainForm;
implementation
uses REAbout, RichEdit, ShellAPI, ReInit;
resourcestring
sSaveChanges = 'Save changes to %s?';
sOverWrite = 'OK to overwrite %s';
sUntitled = 'Untitled';
sModified = 'Modified';
sColRowInfo = 'Line: %3d Col: %3d';
const
RulerAdj = 4/3;
GutterWid = 6;
ENGLISH = (SUBLANG_ENGLISH_US shl 10) or LANG_ENGLISH;
FRENCH = (SUBLANG_FRENCH shl 10) or LANG_FRENCH;
GERMAN = (SUBLANG_GERMAN shl 10) or

```

mbYesNoCancel, 0);
case SaveResp of
idYes: FileSave(Self);
idNo: {Nothing};
idCancel: Abort;
end;
end;

<-----> procedure
TMainForm.SetupRuler;
var
I: Integer;
S: String;
begin
SetLength(S, 201);
I := 1;
while I < 200 do
begin
S[I] := #9;
S[I+1] := '|';
Inc(I, 2);
end;
Ruler.Caption := S;
end;

<-----> procedure
TMainForm.SetEditRect;
var
R: TRect;
begin
with Editor do
begin
R := Rect(GutterWid, 0,
ClientWidth-GutterWid,
ClientHeight);
SendMessage(Handle,
EM_SETRECT, 0, Longint(@R));
end;
end;

{ Event Handlers }

<-----> procedure
TMainForm.FormCreate(Sender:
TObject);
begin
Application.OnHint := ShowHint;
OpenDialog.InitialDir :=

```

```

:= Editor.SelAttributes
else Result := Editor.DefAttributes;
end;

function EnumFontsProc(var
LogFont: TLogFont; var
TextMetric: TTextMetric;
FontType: Integer; Data: Pointer):
Integer; stdcall;
begin
TStrings(Data).Add(LogFont.lfFace
Name);
Result := 1;
end;

<-----> procedure
TMainForm.GetFontNames;
var
DC: HDC;
begin
DC := GetDC(0);
EnumFonts(DC, nil,
@EnumFontsProc,
Pointer(FontName.Items));
ReleaseDC(0, DC);
FontName.Sorted := True;
end;

<-----> procedure
TMainForm.SetFileName(const
FileName: String);
begin
FFilename := FileName;
Caption := Format('%s - %s',
[ExtractFileName(FileName),
Application.Title]);
end;

<-----> procedure
TMainForm.CheckFileSave;
var
SaveResp: Integer;
begin
if not Editor.Modified then Exit;
SaveResp :=
MessageDlg(Format(sSaveChanges,
[FFilename]),
mtConfirmation,

```

SetFileName(sUntitled);
Editor.Lines.Clear;
Editor.Modified := False;
SetModified(False);
end;
<-----> procedure
TMainForm.PerformFileOpen(const
AFileName: string);
begin
Editor.Lines.LoadFromFile(AFileNa
me);
SetFileName(AFileName);
Editor.SetFocus;
Editor.Modified := False;
SetModified(False);
end;
<-----> procedure
TMainForm.FileOpen(Sender:
TObject);
begin
CheckFileSave;
if OpenFileDialog.Execute then
begin
PerformFileOpen(OpenDialog.FileN
ame);
Editor.ReadOnly := ofReadOnly
in OpenFileDialog.Options;
end;
end;
<-----> procedure
TMainForm.FileSave(Sender:
TObject);
begin
if FFileName = sUntitled then
FileSaveAs(Sender)
else
begin
Editor.Lines.SaveToFile(FFileName)
;
Editor.Modified := False;
SetModified(False);
end;
end;

ExtractFilePath(ParamStr(0));
SaveDialog.InitialDir :=
OpenDialog.InitialDir;
SetFileName(sUntitled);
GetFontNames;
SetupRuler;
SelectionChange(Self);
CurrText.Name :=
DefFontData.Name;
CurrText.Size := -
MulDiv(DefFontData.Height, 72,
Screen.PixelsPerInch);
LanguageEnglish.Tag :=
ENGLISH;
LanguageFrench.Tag := FRENCH;
LanguageGerman.Tag :=
GERMAN;
case SysLocale.DefaultLCID of
ENGLISH:
SwitchLanguage(LanguageEnglish);
FRENCH:
SwitchLanguage(LanguageFrench);
GERMAN:
SwitchLanguage(LanguageGerman)
;
end;
end;
<-----> procedure
TMainForm.ShowHint(Sender:
TObject);
begin
if Length(Application.Hint) > 0
then
begin
StatusBar.SimplePanel := True;
StatusBar.SimpleText :=
Application.Hint;
end
else StatusBar.SimplePanel :=
False;
end;
<-----> procedure
TMainForm.FileNew(Sender:
TObject);
begin

end;
<-----> procedure TMainForm.EditCut(Sender: TObject);
begin
Editor.CutToClipboard;
end;
<-----> procedure TMainForm.EditCopy(Sender: TObject);
begin
Editor.CopyToClipboard;
end;
<-----> procedure TMainForm.EditPaste(Sender: TObject);
begin
Editor.PasteFromClipboard;
end;
<-----> procedure TMainForm.HelpAbout(Sender: TObject);
begin
with TAboutBox.Create(Self) do
try
ShowModal;
finally
Free;
end;
end;
<-----> procedure TMainForm.SelectFont(Sender: TObject);
begin
FontDialog1.Font.Assign(Editor.Sel Attributes);
if FontDialog1.Execute then
CurrText.Assign(FontDialog1.Font);
SelectionChange(Self);
Editor.SetFocus;
end;

<-----> procedure TMainForm.FileSaveAs(Sender: TObject);
begin
if SaveDialog.Execute then
begin
if FileExists(SaveDialog.FileName) then
if MessageDlg(Format(sOverWrite, [SaveDialog.FileName]), mtConfirmation, mbYesNoCancel, 0) <> idYes then
Exit;
Editor.Lines.SaveToFile(SaveDialog. FileName);
SetFileName(SaveDialog.FileName);
Editor.Modified := False;
SetModified(False);
end;
end;
<-----> procedure TMainForm.FilePrint(Sender: TObject);
begin
if PrintDialog.Execute then
Editor.Print(FFileName);
end;
<-----> procedure TMainForm.FileExit(Sender: TObject);
begin
Close;
end;
<-----> procedure TMainForm.EditUndo(Sender: TObject);
begin
with Editor do
if HandleAllocated then
SendMessage(Handle, EM_UNDO, 0, 0);

<-----> procedure TMainForm.FontSizeChange(Sender: TObject);
begin
if FUpdating then Exit;
CurrText.Size := StrToInt(FontSize.Text);
end;
<-----> procedure TMainForm.AlignButtonClick(Sender: TObject);
begin
if FUpdating then Exit;
Editor.Paragraph.Alignment := TAlignment(TControl(Sender).Tag);
end;
<-----> procedure TMainForm.FontNameChange(Sender: TObject);
begin
if FUpdating then Exit;
CurrText.Name := FontName.Items[FontName.ItemIndex];
end;
<-----> procedure TMainForm.UnderlineButtonClick(Sender: TObject);
begin
if FUpdating then Exit;
if UnderlineButton.Down then
CurrText.Style := CurrText.Style + [fsUnderline]
else
CurrText.Style := CurrText.Style - [fsUnderline];
end;
<-----> procedure TMainForm.BulletsButtonClick(Sender: TObject);
begin
if FUpdating then Exit;
Editor.Paragraph.Numbering := TNumberingStyle(BulletsButton.Do

<-----> procedure TMainForm.RulerResize(Sender: TObject);
begin
RulerLine.Width := Ruler.ClientWidth - (RulerLine.Left*2);
end;
<-----> procedure TMainForm.FormResize(Sender: TObject);
begin
SetEditRect;
SelectionChange(Sender);
end;
<-----> procedure TMainForm.FormPaint(Sender: TObject);
begin
SetEditRect;
end;
<-----> procedure TMainForm.BoldButtonClick(Sender: TObject);
begin
if FUpdating then Exit;
if BoldButton.Down then
CurrText.Style := CurrText.Style + [fsBold]
else
CurrText.Style := CurrText.Style - [fsBold];
end;
<-----> procedure TMainForm.ItalicButtonClick(Sender: TObject);
begin
if FUpdating then Exit;
if ItalicButton.Down then
CurrText.Style := CurrText.Style + [fsItalic]
else
CurrText.Style := CurrText.Style - [fsItalic];
end;

GutterWid) / RulerAdj);
LeftIndMouseUp(Sender, Button, Shift, X, Y);
end;
<-----> procedure TMainForm.LeftIndMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
FDragging := False;
Editor.Paragraph.LeftIndent := Trunc((LeftInd.Left+FDragOfs-GutterWid) / RulerAdj)-Editor.Paragraph.FirstIndent;
SelectionChange(Sender);
end;
<-----> procedure TMainForm.RightIndMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
FDragging := False;
Editor.Paragraph.RightIndent := Trunc((Ruler.ClientWidth-RightInd.Left+FDragOfs-2) / RulerAdj)-2*GutterWid;
SelectionChange(Sender);
end;
<-----> procedure TMainForm.UpdateCursorPos;
var
CharPos: TPoint;
begin
CharPos.Y := SendMessage(Editor.Handle, EM_EXLINEFROMCHAR, 0, Editor.SelStart);
CharPos.X := (Editor.SelStart - SendMessage(Editor.Handle, EM_LINEINDEX, CharPos.Y, 0));
Inc(CharPos.Y);
Inc(CharPos.X);
StatusBar.Panels[0].Text := Format(sColRowInfo, [CharPos.Y,

wn);
end;
<-----> procedure TMainForm.FormCloseQuery(Sender: TObject; var CanClose: Boolean);
begin
try
CheckFileSave;
except
CanClose := False;
end;
end;
{ Ruler Indent Dragging }
<-----> procedure TMainForm.RulerItemMouseDown(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
FDragOfs := (TLabel(Sender).Width div 2);
TLabel(Sender).Left := TLabel(Sender).Left+X-FDragOfs;
FDragging := True;
end;
<-----> procedure TMainForm.RulerItemMouseMove(Sender: TObject; Shift: TShiftState; X, Y: Integer);
begin
if FDragging then
TLabel(Sender).Left := TLabel(Sender).Left+X-FDragOfs
end;
<-----> procedure TMainForm.FirstIndMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
FDragging := False;
Editor.Paragraph.FirstIndent := Trunc((FirstInd.Left+FDragOfs-

if Value then
StatusBar.Panels[1].Text := sModified
else StatusBar.Panels[1].Text := "";
end;
<-----> procedure
TMainForm.SwitchLanguage(Sender: TObject);
var
Name : String;
Size : Integer;
begin
if
LoadNewResourceModule(TComponent(Sender).Tag) <> 0 then
begin
Name := FontName.Text;
Size := StrToInt(FontSize.Text);
ReinitializeForms;
LanguageEnglish.Checked := LanguageEnglish = Sender;
LanguageFrench.Checked := LanguageFrench = Sender;
LanguageGerman.Checked := LanguageGerman = Sender;
CurrText.Name := Name;
CurrText.Size := Size;
SelectionChange(Self);
FontName.SelLength := 0;
SetupRuler;
if Visible then Editor.SetFocus;
end;
end;
<-----> procedure
TMainForm.ActionList2Update(Action: TBasicAction;
var Handled: Boolean);
begin
{ Update the status of the edit commands }
EditCutCmd.Enabled := Editor.SelLength > 0;
EditCopyCmd.Enabled := EditCutCmd.Enabled;
if Editor.HandleAllocated then

CharPos.X]);
end;
<-----> procedure
TMainForm.FormShow(Sender: TObject);
begin
UpdateCursorPos;
DragAcceptFiles(Handle, True);
RichEditChange(nil);
Editor.SetFocus;
{ Check if we should load a file from the command line }
if (ParamCount > 0) and FileExists(ParamStr(1)) then
PerformFileOpen(ParamStr(1));
end;
<-----> procedure
TMainForm.WMDropFiles(var Msg: TWMDropFiles);
var
CFileName: array[0..MAX_PATH] of Char;
begin
try
if DragQueryFile(Msg.Drop, 0, CFileName, MAX_PATH) > 0 then
begin
CheckFileSave;
PerformFileOpen(CFileName);
Msg.Result := 0;
end;
finally
DragFinish(Msg.Drop);
end;
end;
<-----> procedure
TMainForm.RichEditChange(Sender: TObject);
begin
SetModified(Editor.Modified);
end;
<-----> procedure
TMainForm.SetModified(Value: Boolean);
begin

<-----> procedure
TAboutBox.FormCreate(Sender: TObject);
var
MS: TMemoryStatus;
begin
GlobalMemoryStatus(MS);
PhysMem.Caption := FormatFloat('#,###' KB'', MS.dwTotalPhys / 1024);
FreeRes.Caption := Format('%d %%', [MS.dwMemoryLoad]);
end;
end.
//////////

<-----> Objects87
الملف النصي لبرنامج
(RichEdit)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> Object MainForm:
TMainForm
Left = 173
Top = 156
Width = 625
Height = 209
ActiveControl = Editor
Caption = 'Rich Edit Control Demo'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'Default'
Font.Style = []
Icon.Data = { FF }
Menu = MainMenu
OldCreateOrder = True

begin
EditUndoCmd.Enabled := Editor.Perform(EM_CANUNDO, 0, 0) <> 0;
EditPasteCmd.Enabled := Editor.Perform(EM_CANPASTE, 0, 0) <> 0;
end;
end.
//////////
unit reabout;
interface
uses Windows, Classes, Graphics, Forms, Controls, StdCtrls, Buttons, ExtCtrls, SysUtils;
type
TAboutBox = class(TForm)
OKButton: TButton;
ProgramIcon: TImage;
Label1: TLabel;
Bevel1: TBevel;
Label2: TLabel;
Label3: TLabel;
PhysMem: TLabel;
Label4: TLabel;
FreeRes: TLabel;
<-----> procedure FormCreate(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
AboutBox: TAboutBox;
implementation
{ \$R *.dfm }

Left = 2
Top = 12
Width = 10
Height = 11
AutoSize = False
Caption = 'é'
DragCursor = crArrow
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Wingdings'
Font.Style = []
ParentFont = False
OnMouseDown = RulerItemMouseDown
OnMouseMove = RulerItemMouseMove
OnMouseUp = LeftIndMouseUp
end
<-----> Object RulerLine: TBevel
Left = 4
Top = 12
Width = 579
Height = 2
Shape = bsTopLine
end
<-----> Object RightInd: TLabel
Left = 575
Top = 14
Width = 9
Height = 12
Caption = 'ñ'
DragCursor = crArrow
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Wingdings'
Font.Style = []
ParentFont = False
OnMouseDown = RulerItemMouseDown
OnMouseMove = RulerItemMouseMove
OnMouseUp = RightIndMouseUp

Position = poDefaultSizeOnly
OnCloseQuery = FormCloseQuery
OnCreate = FormCreate
OnPaint = FormPaint
OnResize = FormResize
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<-----> Object Ruler: TPanel
Left = 0
Top = 32
Width = 617
Height = 26
Align = alTop
Alignment = taLeftJustify
BevelOuter = bvNone
Caption = 'asdf'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Arial'
Font.Style = []
ParentFont = False
TabOrder = 0
OnResize = RulerResize
<-----> Object FirstInd: TLabel
Left = 2
Top = 2
Width = 10
Height = 9
AutoSize = False
Caption = 'ê'
DragCursor = crArrow
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Wingdings'
Font.Style = []
ParentFont = False
OnMouseDown = RulerItemMouseDown
OnMouseMove = RulerItemMouseMove
OnMouseUp = FirstIndMouseUp
end
<-----> Object LeftInd: TLabel

Images = ToolbarImages
Indent = 4
ParentShowHint = False
ShowHint = True
TabOrder = 3
Wrapable = False
<-----> Object ToolButton1:
TToolButton
Left = 4
Top = 0
Action = FileNewCmd
end
<-----> Object OpenButton:
TToolButton
Left = 27
Top = 0
Action = FileOpenCmd
end
<-----> Object SaveButton:
TToolButton
Left = 50
Top = 0
Action = FileSaveCmd
end
<-----> Object PrintButton:
TToolButton
Left = 73
Top = 0
Action = FilePrintCmd
end
<-----> Object ToolButton5:
TToolButton
Left = 96
Top = 0
Width = 8
ImageIndex = 3
Style = tbsDivider
end
<-----> Object CutButton:
TToolButton
Left = 104
Top = 0
Action = EditCutCmd
end
<-----> Object CopyButton:
TToolButton
Left = 127
Top = 0

end
<-----> Object Bevel1: TBevel
Left = 0
Top = 0
Width = 617
Height = 2
Align = alTop
Shape = bsTopLine
end
end
<-----> Object Editor: TRichEdit
Left = 0
Top = 58
Width = 617
Height = 78
Align = alClient
ScrollBars = ssBoth
TabOrder = 1
OnChange = RichEditChange
OnSelectionChange =
SelectionChange
end
<-----> Object StatusBar:
TStatusBar
Left = 0
Top = 136
Width = 617
Height = 19
Panels = <
item
Width = 120
end
item
Alignment = taCenter
Width = 60
end
item
Width = 50
end>
end
<-----> Object StandardToolBar:
TToolBar
Left = 0
Top = 0
Width = 617
AutoSize = True
BorderWidth = 2
Flat = True

Width = 26
Height = 22
Hint = 'Font Size|Select font size'
TabOrder = 1
Text = '0'
OnChange = FontSizeChange
end
<-----> Object UpDown1:
TUpDown
Left = 411
Top = 0
Width = 15
Height = 22
Associate = FontSize
TabOrder = 2
end
<-----> Object ToolButton2:
TToolButton
Left = 426
Top = 0
Width = 8
Caption = 'ToolButton2'
ImageIndex = 15
Style = tbsSeparator
end
<-----> Object BoldButton:
TToolButton
Left = 434
Top = 0
Hint = 'Bold'
ImageIndex = 8
Style = tbsCheck
OnClick = BoldButtonClick
end
<-----> Object ItalicButton:
TToolButton
Left = 457
Top = 0
Hint = 'Italic'
ImageIndex = 9
Style = tbsCheck
OnClick = ItalicButtonClick
end
<-----> Object UnderlineButton:
TToolButton
Left = 480
Top = 0
Hint = 'Underline'

Action = EditCopyCmd
end
<-----> Object PasteButton:
TToolButton
Left = 150
Top = 0
Action = EditPasteCmd
end
<-----> Object UndoButton:
TToolButton
Left = 173
Top = 0
Action = EditUndoCmd
end
<-----> Object ToolButton10:
TToolButton
Left = 196
Top = 0
Width = 8
ImageIndex = 7
Style = tbsSeparator
end
<-----> Object FontName:
TComboBox
Left = 204
Top = 0
Width = 173
Height = 21
Hint = 'Font Name|Select font name'
Ctl3D = False
DropDownCount = 10
ItemHeight = 13
ParentCtl3D = False
TabOrder = 0
OnChange = FontNameChange
end
<-----> Object ToolButton11:
TToolButton
Left = 377
Top = 0
Width = 8
ImageIndex = 8
Style = tbsSeparator
end
<-----> Object FontSize: TEdit
Left = 385
Top = 0

Width = 8
ImageIndex = 15
Style = tbsDivider
end
<-----> Object BulletsButton: TToolButton
Left = 588
Top = 0
Hint = 'Bullets|Enter bullet mode'
ImageIndex = 14
Style = tbsCheck
OnClick = BulletsButtonClick
end
end
<-----> Object MainMenu: TMainMenu
Images = ToolbarImages
Left = 120
Top = 68
<-----> Object FileMenu: TMenuItem
Caption = '&File'
<-----> Object FileNewItem: TMenuItem
Action = FileNewCmd
end
<-----> Object FileOpenItem: TMenuItem
Action = FileOpenCmd
end
<-----> Object FileSaveItem: TMenuItem
Action = FileSaveCmd
end
<-----> Object FileSaveAsItem: TMenuItem
Action = FileSaveAsCmd
end
<-----> Object N1: TMenuItem
Caption = '-'
end
<-----> Object FilePrintItem: TMenuItem
Action = FilePrintCmd
end
<-----> Object N4: TMenuItem
Caption = '-'

ImageIndex = 10
Style = tbsCheck
OnClick = UnderlineButtonClick
end
<-----> Object ToolButton16: TToolButton
Left = 503
Top = 0
Width = 8
ImageIndex = 12
Style = tbsDivider
end
<-----> Object LeftAlign: TToolButton
Left = 511
Top = 0
Hint = 'Align Left'
Grouped = True
ImageIndex = 11
Style = tbsCheck
OnClick = AlignButtonClick
end
<-----> Object CenterAlign: TToolButton
Tag = 2
Left = 534
Top = 0
Hint = 'Center'
Grouped = True
ImageIndex = 12
Style = tbsCheck
OnClick = AlignButtonClick
end
<-----> Object RightAlign: TToolButton
Tag = 1
Left = 557
Top = 0
Hint = 'Align Right'
Grouped = True
ImageIndex = 13
Style = tbsCheck
OnClick = AlignButtonClick
end
<-----> Object ToolButton20: TToolButton
Left = 580
Top = 0

Caption = '&French'
Hint = 'Switch translation to French'
OnClick = SwitchLanguage
end
<-----> Object LanguageGerman: TMenuItem
Caption = '&German'
Hint = 'Switch translation to German'
OnClick = SwitchLanguage
end
end
<-----> Object HelpMenu: TMenuItem
Caption = '&Help'
<-----> Object HelpAboutItem: TMenuItem
Caption = '&About...'
Hint = 'Show program information'
OnClick = HelpAbout
end
end
end
<-----> Object OpenDialog: TOpenDialog
Filter = 'Rich Text Files (*.RTF)|*.RTF|Text Files (*.TXT)|*.TXT'
Left = 56
Top = 104
end
<-----> Object SaveDialog: TSaveDialog
Filter = 'Rich Text Files (*.RTF)|*.RTF|Text Files (*.TXT)|*.TXT'
Left = 88
Top = 104
end
<-----> Object PrintDialog: TPrintDialog
Left = 120
Top = 104
end
<-----> Object FontDialog1: TFontDialog
Font.Charset =

end
<-----> Object FileExitItem: TMenuItem
Action = FileExitCmd
end
end
<-----> Object EditMenu: TMenuItem
Caption = '&Edit'
<-----> Object EditUndoItem: TMenuItem
Action = EditUndoCmd
end
<-----> Object N2: TMenuItem
Caption = '-'
end
<-----> Object EditCutItem: TMenuItem
Action = EditCutCmd
end
<-----> Object EditCopyItem: TMenuItem
Action = EditCopyCmd
end
<-----> Object EditPasteItem: TMenuItem
Action = EditPasteCmd
end
<-----> Object N5: TMenuItem
Caption = '-'
end
<-----> Object miEditFont: TMenuItem
Caption = '&Font...'
OnClick = SelectFont
end
end
<-----> Object LanguageMenu: TMenuItem
Caption = '&Language'
<-----> Object LanguageEnglish: TMenuItem
Caption = '&English'
Hint = 'Switch translation to English'
OnClick = SwitchLanguage
end
<-----> Object LanguageFrench: TMenuItem

TAction
Category = 'File'
Caption = '&Print'
Hint = 'Print current file'
ImageIndex = 3
ShortCut = 16464
OnExecute = FilePrint
end
<-----> Object FileExitCmd:
TAction
Category = 'File'
Caption = 'E&xit'
Hint = 'Exit this application'
ShortCut = 32856
OnExecute = FileExit
end
<-----> Object FileSaveAsCmd:
TAction
Category = 'File'
Caption = 'Save &As...'
Hint = 'Save current file under a new name'
OnExecute = FileSaveAs
end
end
<-----> Object ActionList2:
TActionList
Images = ToolbarImages
OnUpdate = ActionList2Update
Left = 56
Top = 68
<-----> Object EditUndoCmd:
TAction
Category = 'Edit'
Caption = '&Undo'
Hint = 'Undo the last action'
ImageIndex = 4
ShortCut = 16474
OnExecute = EditUndo
end
<-----> Object EditCutCmd:
TAction
Category = 'Edit'
Caption = 'Cu&t'
Hint = 'Delete selected item'
ImageIndex = 5
ShortCut = 16472
OnExecute = EditCut

DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Left = 24
Top = 104
end
<-----> Object ToolbarImages:
TImageList
Left = 88
Top = 68
Bitmap = {
000000000000}
end
<-----> Object ActionList1:
TActionList
Images = ToolbarImages
Left = 24
Top = 68
<-----> Object FileNewCmd:
TAction
Category = 'File'
Caption = '&New'
Hint = 'Create a new file'
ImageIndex = 0
ShortCut = 16462
OnExecute = FileNew
end
<-----> Object FileOpenCmd:
TAction
Category = 'File'
Caption = '&Open...'
Hint = 'Open an existing file'
ImageIndex = 1
ShortCut = 16463
OnExecute = FileOpen
end
<-----> Object FileSaveCmd:
TAction
Category = 'File'
Caption = '&Save'
Hint = 'Save current file'
ImageIndex = 2
ShortCut = 16467
OnExecute = FileSave
end
<-----> Object FilePrintCmd:

Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> Object ProgramIcon:
TImage
Left = 8
Top = 12
Width = 64
Height = 64
AutoSize = True
Picture.Data = {
BFBF}
Transparent = True
IsControl = True
end
<-----> Object Label1: TLabel
Left = 81
Top = 22
Width = 143
Height = 13
Caption = 'Delphi Rich Edit
Control Demo'
end
<-----> Object Bevel1: TBevel
Left = 81
Top = 134
Width = 260
Height = 2
Shape = bsTopLine
end
<-----> Object Label2: TLabel
Left = 81
Top = 45
Width = 183
Height = 13
Caption = 'Copyright © 1998
Borland International'
end
<-----> Object Label3: TLabel
Left = 81
Top = 145
Width = 187
Height = 13
Caption = 'Physical Memory
Available to Windows:'
end
<-----> Object PhysMem: TLabel

end
<-----> Object EditCopyCmd:
TAction
Category = 'Edit'
Caption = '&Copy'
Hint = 'Copy selected item to
clipboard'
ImageIndex = 6
ShortCut = 16451
OnExecute = EditCopy
end
<-----> Object EditPasteCmd:
TAction
Category = 'Edit'
Caption = '&Paste'
Hint = 'Paste contents of
clipboard'
ImageIndex = 7
ShortCut = 16470
OnExecute = EditPaste
end
<-----> Object EditFontCmd:
TAction
Category = 'Edit'
Caption = '&Font...'
OnExecute = SelectFont
end
end
End
<-----> Object AboutBox:
TAboutBox
Left = 183
Top = 438
BorderStyle = bsDialog
Caption = 'About RichEdit'
ClientHeight = 243
ClientWidth = 357
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True

uses
SysUtils, Windows, Messages, Classes, Graphics, Controls, Forms, Dialogs, Menus, StdCtrls, ComCtrls;
type
TEditForm = class(TForm)
MainMenu1: TMainMenu;
File1: TMenuItem;
New1: TMenuItem;
Open1: TMenuItem;
Save1: TMenuItem;
Saveas1: TMenuItem;
Print1: TMenuItem;
N2: TMenuItem;
Exit1: TMenuItem;
Edit1: TMenuItem;
Cut1: TMenuItem;
Copy1: TMenuItem;
Paste1: TMenuItem;
Delete1: TMenuItem;
N3: TMenuItem;
Selectall1: TMenuItem;
Character1: TMenuItem;
Left1: TMenuItem;
Right1: TMenuItem;
Center1: TMenuItem;
N4: TMenuItem;
Wordwrap1: TMenuItem;
N5: TMenuItem;
Font1: TMenuItem;
Editor: TRichEdit;
PopupMenu1: TPopupMenu;
Cut2: TMenuItem;
Copy2: TMenuItem;
Paste2: TMenuItem;
SaveFileDialog: TSaveDialog;
FontDialog1: TFontDialog;
PrinterSetup1: TMenuItem;
Close1: TMenuItem;
PrinterSetupDialog1: TPrinterSetupDialog;
PrintDialog1: TPrintDialog;
<----->procedure Exit1Click(Sender: TObject);
<----->procedure New1Click(Sender: TObject);

Left = 275
Top = 145
Width = 6
Height = 13
Caption = '0'
end
<-----> Object Label4: TLabel
Left = 81
Top = 167
Width = 73
Height = 13
Caption = 'Memory in Use!'
end
<-----> Object FreeRes: TLabel
Left = 276
Top = 167
Width = 6
Height = 13
Caption = '0'
end
<-----> Object OKButton: TButton
Left = 269
Top = 208
Width = 75
Height = 25
Cancel = True
Caption = 'OK'
Default = True
ModalResult = 2
TabOrder = 0
end
End

Procedure\$54
الملف التنفيذي لبرنامج
(TextEdit)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit MDIEdit;
interface

EditForm: TEditForm;
const
DefaultFileName = 'Untitled';
implementation
uses Clipbrd, Printers, MDIFrame;
{SR *.dfm}
<----->procedure TEditForm.Exit1Click(Sender: TObject);
begin
FrameForm.Exit1Click(Sender);
end;
<----->procedure TEditForm.New1Click(Sender: TObject);
begin
FrameForm.New1Click(Sender);
end;
<----->procedure TEditForm.Open1Click(Sender: TObject);
begin
FrameForm.Open1Click(Sender);
end;
<----->procedure TEditForm.AlignClick(Sender: TObject);
begin
Left1.Checked := False;
Right1.Checked := False;
Center1.Checked := False;
with Sender as TMenuItem do Checked := True;
with Editor.Paragraph do
if Left1.Checked then
Alignment := taLeftJustify
else if Right1.Checked then
Alignment := taRightJustify
else if Center1.Checked then
Alignment := taCenter;

<----->procedure AlignClick(Sender: TObject);
<----->procedure Wordwrap1Click(Sender: TObject);
<----->procedure Cut1Click(Sender: TObject);
<----->procedure Copy1Click(Sender: TObject);
<----->procedure Paste1Click(Sender: TObject);
<----->procedure Selectall1Click(Sender: TObject);
<----->procedure Delete1Click(Sender: TObject);
<----->procedure Edit1Click(Sender: TObject);
<----->procedure Saveas1Click(Sender: TObject);
<----->procedure Save1Click(Sender: TObject);
<----->procedure Font1Click(Sender: TObject);
<----->procedure Close1Click(Sender: TObject);
<----->procedure FormClose(Sender: TObject; var Action: TCloseAction);
<----->procedure FormCloseQuery(Sender: TObject; var CanClose: Boolean);
<----->procedure FormCreate(Sender: TObject);
<----->procedure Printersetup1Click(Sender: TObject);
<----->procedure Print1Click(Sender: TObject);
<----->procedure Open1Click(Sender: TObject);
private
{ Private declarations }
PathName: string;
public
{ Public declarations }
<----->procedure Open(const AFileName: string);
end;
var

```

TObject);
begin
  Editor.ClearSelection;
end;

<----->procedure
TEditForm.Edit1Click(Sender:
TObject);
var
  HasSelection: Boolean;
begin
  Paste1.Enabled :=
Clipboard.HasFormat(CF_TEXT);
  Paste2.Enabled := Paste1.Enabled;
  HasSelection := Editor.SelLength >
0;
  Cut1.Enabled := HasSelection;
  Cut2.Enabled := HasSelection;
  Copy1.Enabled := HasSelection;
  Copy2.Enabled := HasSelection;
  Delete1.Enabled := HasSelection;
end;

<----->procedure
TEditForm.Open(const AFileName:
string);
begin
  PathName := AFileName;
  Caption :=
ExtractFileName(AFileName);
  with Editor do
  begin
    Lines.LoadFromFile(PathName);
    SelStart := 0;
    Modified := False;
  end;
end;

<----->procedure
TEditForm.Saveas1Click(Sender:
TObject);
begin
  SaveFileDialog.FileName :=
PathName;
  if SaveFileDialog.Execute then
  begin
    PathName :=
SaveFileDialog.FileName;
    Caption :=

```

```

end;

<----->procedure
TEditForm.Wordwrap1Click(Sende
r: TObject);
begin
  with Editor do
  begin
    WordWrap := not WordWrap; {
toggle word wrapping }
    if WordWrap then
      ScrollBars := ssVertical
    else
      ScrollBars := ssBoth;
    WordWrap1.Checked :=
WordWrap; { set menu item check }
  end;
end;

<----->procedure
TEditForm.Cut1Click(Sender:
TObject);
begin
  Editor.CutToClipboard;
end;

<----->procedure
TEditForm.Copy1Click(Sender:
TObject);
begin
  Editor.CopyToClipboard;
end;

<----->procedure
TEditForm.Paste1Click(Sender:
TObject);
begin
  Editor.PasteFromClipboard;
end;

<----->procedure
TEditForm.Selectall1Click(Sender:
TObject);
begin
  Editor.SelectAll;
end;

<----->procedure
TEditForm.Delete1Click(Sender:

```

```

const
  SWarningText = 'Save changes to
%s?';
begin
  if Editor.Modified then
  begin
    case
      MessageDlg(Format(SWarningText,
[PathName]), mtConfirmation,
[mbYes, mbNo, mbCancel], 0) of
        idYes: Save1Click(Self);
        idCancel: CanClose := False;
      end;
    end;
  end;
end;

<----->procedure
TEditForm.FormCreate(Sender:
TObject);
begin
  PathName := DefaultFileName;
end;

<----->procedure
TEditForm.Printersetup1Click(Send
er: TObject);
begin
  PrinterSetupDialog1.Execute;
end;

<----->procedure
TEditForm.Print1Click(Sender:
TObject);
begin
  if PrintDialog1.Execute then
    Editor.Print(PathName);
end;

end.

////////////////////////////////////

unit MDIFrame;

interface

uses

```

```

ExtractFileName(PathName);
  Save1Click(Sender);
end;
end;

<----->procedure
TEditForm.Save1Click(Sender:
TObject);
begin
  if PathName = DefaultFileName
then
    SaveAs1Click(Sender)
  else
    begin
      Editor.Lines.SaveToFile(PathName)
;
      Editor.Modified := False;
    end;
  end;

<----->procedure
TEditForm.Font1Click(Sender:
TObject);
begin
  FontDialog1.Font := Editor.Font;
  if FontDialog1.Execute then
    Editor.SelAttributes.Assign(FontDia
log1.Font);
  end;

<----->procedure
TEditForm.Close1Click(Sender:
TObject);
begin
  Close;
end;

<----->procedure
TEditForm.FormClose(Sender:
TObject; var Action: TCloseAction);
begin
  Action := caFree;
end;

<----->procedure
TEditForm.FormCloseQuery(Sende
r: TObject; var CanClose: Boolean);

```

```

begin
  Close;
end;

<----->procedure
TFrameForm.New1Click(Sender:
TObject);
begin
  TEditForm.Create(Self);
end;

<----->procedure
TFrameForm.Tile1Click(Sender:
TObject);
begin
  Tile;
end;

<----->procedure
TFrameForm.Cascade1Click(Sender
: TObject);
begin
  Cascade;
end;

<----->procedure
TFrameForm.Arrangeicons1Click(S
ender: TObject);
begin
  ArrangeIcons;
end;

<----->procedure
TFrameForm.Open1Click(Sender:
TObject);
begin
  if OpenFileDialog.Execute then
  with TEditForm.Create(Self) do
    Open(OpenFileDialog.FileName);
  end;
end.

////////////////////////////////////

```

```

SysUtils, Windows, Messages,
Classes, Graphics, Controls, Forms,
Dialogs,
Menus;

type
TFrameForm = class(TForm)
  MainMenu1: TMainMenu;
  File1: TMenuItem;
  New1: TMenuItem;
  Open1: TMenuItem;
  N1: TMenuItem;
  Exit1: TMenuItem;
  Window1: TMenuItem;
  Tile1: TMenuItem;
  Cascade1: TMenuItem;
  Arrangeicons1: TMenuItem;
  OpenFileDialog: TOpenDialog;
  <----->procedure
Exit1Click(Sender: TObject);
  <----->procedure
New1Click(Sender: TObject);
  <----->procedure
Tile1Click(Sender: TObject);
  <----->procedure
Cascade1Click(Sender: TObject);
  <----->procedure
Arrangeicons1Click(Sender:
TObject);
  <----->procedure
Open1Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  FrameForm: TFrameForm;

implementation

uses MDIEdit;

{$R *.dfm}

<----->procedure
TFrameForm.Exit1Click(Sender:
TObject);

```

Top = 248
<----->Object File1: TMenuItem
Caption = '&File'
<----->Object New1:
TMenuItem
Caption = '&New'
OnClick = New1Click
end
<----->Object Open1:
TMenuItem
Caption = '&Open...'
OnClick = Open1Click
end
<----->Object Close1:
TMenuItem
Caption = '&Close'
OnClick = Close1Click
end
<----->Object Save1:
TMenuItem
Caption = '&Save'
OnClick = Save1Click
end
<----->Object Saveas1:
TMenuItem
Caption = 'Save &as...'
OnClick = Saveas1Click
end
<----->Object Print1:
TMenuItem
Caption = '&Print'
OnClick = Print1Click
end
<----->Object Printersetup1:
TMenuItem
Caption = 'Printer setup...'
OnClick = Printersetup1Click
end
<----->Object N2: TMenuItem
Caption = '-'
end
<----->Object Exit1:
TMenuItem
Caption = 'E&xit'
OnClick = Exit1Click
end
end
<----->Object Edit1: TMenuItem

<----->Objects48
الملف لبرنامج
(TextEdit)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<----->Object EditForm:
TEditForm
Left = 196
Top = 112
Width = 435
Height = 308
Caption = 'Untitled'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
FormStyle = fsMDIChild
Menu = MainMenu1
OldCreateOrder = True
PopupMenu = PopupMenu1
Position = poDefault
Visible = True
OnClose = FormClose
OnCloseQuery = FormCloseQuery
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<----->Object Editor: TRichEdit
Left = 0
Top = 0
Width = 427
Height = 254
Align = alClient
BorderStyle = bsNone
ScrollBars = ssVertical
TabOrder = 0
end
<----->Object MainMenu1:
TMainMenu
Left = 16

TMenuItem
Caption = '&Right'
OnClick = AlignClick
end
<----->Object Center1:
TMenuItem
Caption = '&Center'
OnClick = AlignClick
end
<----->Object N4: TMenuItem
Caption = '-'
end
<----->Object Wordwrap1:
TMenuItem
Caption = '&Word wrap'
Checked = True
OnClick = Wordwrap1Click
end
<----->Object N5: TMenuItem
Caption = '-'
end
<----->Object Font1:
TMenuItem
Caption = '&Font...'
OnClick = Font1Click
end
end
end
<----->Object PopupMenu1:
TPopupMenu
OnPopup = Edit1Click
Left = 96
Top = 64
<----->Object Cut2: TMenuItem
Caption = 'Cu&t'
OnClick = Cut1Click
end
<----->Object Copy2:
TMenuItem
Caption = '&Copy'
OnClick = Copy1Click
end
<----->Object Paste2:
TMenuItem
Caption = '&Paste'
OnClick = Paste1Click
end
end

Caption = '&Edit'
GroupIndex = 1
OnClick = Edit1Click
<----->Object Cut1:
TMenuItem
Caption = 'Cu&t'
ShortCut = 16472
OnClick = Cut1Click
end
<----->Object Copy1:
TMenuItem
Caption = '&Copy'
ShortCut = 16451
OnClick = Copy1Click
end
<----->Object Paste1:
TMenuItem
Caption = '&Paste'
ShortCut = 16470
OnClick = Paste1Click
end
<----->Object Delete1:
TMenuItem
Caption = 'De&lete'
ShortCut = 16452
OnClick = Delete1Click
end
<----->Object N3: TMenuItem
Caption = '-'
end
<----->Object Selectall1:
TMenuItem
Caption = 'Select &all'
ShortCut = 16449
OnClick = Selectall1Click
end
end
<----->Object Character1:
TMenuItem
Caption = '&Character'
GroupIndex = 1
<----->Object Left1:
TMenuItem
Caption = '&Left'
Checked = True
OnClick = AlignClick
end
<----->Object Right1:

Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
FormStyle = fsMDIForm
Menu = MainMenu1
OldCreateOrder = True
Position = poDefault
WindowMenu = Window1
PixelsPerInch = 96
TextHeight = 13
<----->Object MainMenu1:
TMainMenu
Left = 8
Top = 248
<----->Object File1: TMenuItem
Caption = '&File'
<----->Object New1:
TMenuItem
Caption = '&New'
OnClick = New1Click
end
<----->Object Open1:
TMenuItem
Caption = '&Open...'
OnClick = Open1Click
end
<----->Object N1: TMenuItem
Caption = '-'
end
<----->Object Exit1:
TMenuItem
Caption = 'E&xit'
GroupIndex = 9
OnClick = Exit1Click
end
end
<----->Object Window1:
TMenuItem
Caption = '&Window'
GroupIndex = 9
<----->Object Tile1:
TMenuItem
Caption = '&Tile'
OnClick = Tile1Click
end
<----->Object Cascade1:
TMenuItem
Caption = '&Cascade'

<----->Object SaveFileDialog:
TSaveDialog
Filter =
'Rich text files (*.rtf)|*.rtf|Plain text files (*.txt)|*.txt|All' + ' files|*.*'
Options = [ofHideReadOnly, ofFileMustExist, ofNoReadOnlyReturn]
Left = 56
Top = 64
end
<----->Object FontDialog1:
TFontDialog
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Left = 136
Top = 64
end
<----->Object PrinterSetupDialog1:
TPrinterSetupDialog
Left = 176
Top = 64
end
<----->Object PrintDialog1:
TPrintDialog
Left = 216
Top = 64
end
End
////////////////////////////////////
<----->Object FrameForm:
TFrameForm
Left = -4
Top = -4
Width = 1032
Height = 746
Caption = 'Text editor'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText

::
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::
::
:: web: http://www.qusoft.no mail: support@qusoft.no ::
:: fax: +47 22 41 74 91 ::
::: } ::: }
unit Menu;
interface
uses
SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,
Forms, Dialogs, StdCtrls, Quickrpt, List, GrpList, manygrp, MD, ExtCtrls, qrextra;
type
TMainForm = class(TForm)
GroupBox1: TGroupBox;
SimpleList: TRadioButton;
GroupedList: TRadioButton;
MasterDetail: TRadioButton;
SQLMasterDetail: TRadioButton;
Description: TMemo;
Preview: TButton;
Print: TButton;
Exit: TButton;
Label1: TLabel;
Label2: TLabel;
Label3: TLabel;
Image2: TImage;
RadioButton1: TRadioButton;
CompositeReport: TQuickRep;
QRCompositeReport1: TQRCompositeReport;
<-----> procedure SimpleListClick(Sender: TObject);
<-----> procedure PreviewClick(Sender: TObject);
<-----> procedure

OnClick = Cascade1Click
end
<----->Object Arrangeicons1: TMenuItem
Caption = '&Arrange icons'
OnClick = Arrangeicons1Click
end
end
end
<----->Object OpenFileDialog: TOpenDialog
Filter =
'Rich text files (*.rtf)|*.rtf|Plain text files (*.txt)|*.txt|All' + ' files|*.*'
Left = 16
Top = 24
end
end

Procedures 22
الملف لبرنامج
(Qr2)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
برنامج لصناعة التقارير
QuickReport 2.0 for Delphi
الملف التنفيذي ويحتوي
{
::: }
:: QuickReport 2.0 for Delphi 1.0/2.0/3.0 ::
::
:: Example reports project
::
::
::
:: Copyright (c) 1997 QuSoft AS

begin
if Report = CompositeReport then
begin
QRCompositeReport1.Preview;
end else
Report.Preview;
end;
<-----> procedure
TMainForm.PrintClick(Sender:
TObject);
begin
if Report = CompositeReport then
begin
QRCompositeReport1.Print;
end else
Report.Print;
end;
<-----> procedure
TMainForm.ExitClick(Sender:
TObject);
begin
Close;
end;
<-----> procedure
TMainForm.FormActivate(Sender:
TObject);
begin
if Description.Lines.Count = 0 then
SimpleListClick(Self);
end;
<-----> procedure
TMainForm.SimpleListClick(Sender
: TObject);
begin
Report:=ListForm.QuickRep;
end;
<-----> procedure
TMainForm.GroupedListClick(Send
er: TObject);
begin
Report := GrpListForm.QuickRep;
end;

PrintClick(Sender: TObject);
<-----> procedure
ExitClick(Sender: TObject);
<-----> procedure
FormActivate(Sender: TObject);
<-----> procedure
GroupedListClick(Sender:
TObject);
<-----> procedure
MasterDetailClick(Sender:
TObject);
<-----> procedure
SQLMasterDetailClick(Sender:
TObject);
<-----> procedure
RadioButton1Click(Sender:
TObject);
<-----> procedure
QRCompositeReport1AddReports(S
ender: TObject);
private
FReport : TQuickRep;
<-----> procedure
SetReport(Value : TQuickRep);
public
property Report : TQuickRep
read FReport write SetReport;
end;
var
MainForm: TMainForm;
implementation
{SR *.dfm}
<-----> procedure
TMainForm.SetReport(Value :
TQuickRep);
begin
FReport:=Value;
Description.Lines.Assign(Report.Des
cription);
end;
<-----> procedure
TMainForm.PreviewClick(Sender:
TObject);

uses
SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls, Forms, Dialogs, quickrpt, Qrctrls, DBTables, DB, ExtCtrls;
type
TManyGrpForm = class(TForm)
QuickRep: TQuickRep;
RepQuery: TQuery;
DetailBand1: TQRBand;
QRGroup1: TQRGroup;
QRGroup2: TQRGroup;
QRDBText1: TQRDBText;
QRDBText3: TQRDBText;
QRBand1: TQRBand;
QRBand2: TQRBand;
QRDBText4: TQRDBText;
QRExpr1: TQRExpr;
QRDBText5: TQRDBText;
QRExpr2: TQRExpr;
QRExpr3: TQRExpr;
RepQueryCustNo: TFloatField;
RepQueryCompany: TStringField;
RepQueryAddr1: TStringField;
RepQueryAddr2: TStringField;
RepQueryCity: TStringField;
RepQueryState: TStringField;
RepQueryZip: TStringField;
RepQueryCountry: TStringField;
RepQueryPhone: TStringField;
RepQueryFAX: TStringField;
RepQueryTaxRate: TFloatField;
RepQueryContact: TStringField;
RepQueryLastInvoiceDate: TDateTimeField;
RepQueryOrderNo: TFloatField;
RepQueryCustNo_1: TFloatField;
RepQuerySaleDate: TDateTimeField;
RepQueryShipDate: TDateTimeField;
RepQueryEmpNo: TIntegerField;
RepQueryShipToContact: TStringField;
RepQueryShipToAddr1:

<-----> procedure TMainForm.MasterDetailClick(Sen der: TObject);
begin
Report:=MDForm.QuickRep;
end;
<-----> procedure TMainForm.SQLMasterDetailClick(Sender: TObject);
begin
Report:= ManyGrpForm.QuickRep;
end;
<-----> procedure TMainForm.RadioButton1Click(Sen der: TObject);
begin
Report := CompositeReport;
end;
<-----> procedure TMainForm.QRCompositeReport1 AddReports(Sender: TObject);
begin
with QRCompositeReport1 do
begin
Reports.Add(ListForm.QuickRep);
Reports.Add(GrpListForm.QuickRe p);
Reports.Add(MDForm.QuickRep);
Reports.Add(ManyGrpForm.Quick Rep);
end;
end;
end.
////////////////////
2
unit Manygrp;
interface

private
{ Private declarations }
public
{ Public declarations }
end;
var
ManyGrpForm: TManyGrpForm;
implementation
{SR *.dfm}
end.
////////////////////////////////////
2
unit Md;
interface
uses
SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,
Forms, Dialogs, ExtCtrls, quickrpt, DB, DBTables, QrCtrls;
type
TMDForm = class(TForm)
QuickRep: TQuickRep;
DetailBand1: TQRBand;
ColumnHeaderBand1: TQRBand;
PageFooterBand1: TQRBand;
TitleBand1: TQRBand;
Customer: TTable;
QRDBText1: TQRDBText;
QRLabel1: TQRLabel;
QRDBText2: TQRDBText;
QRLabel2: TQRLabel;
QRDBText3: TQRDBText;
QRLabel3: TQRLabel;
QRDBText4: TQRDBText;
QRLabel4: TQRLabel;
QRLabel5: TQRLabel;
QRDBText5: TQRDBText;
QRLabel6: TQRLabel;
QRSysData1: TQRSysData;
QRSysData2: TQRSysData;

TStringField;
RepQueryShipToAddr2: TStringField;
RepQueryShipToCity: TStringField;
RepQueryShipToState: TStringField;
RepQueryShipToZip: TStringField;
RepQueryShipToCountry: TStringField;
RepQueryShipToPhone: TStringField;
RepQueryShipVIA: TStringField;
RepQueryPO: TStringField;
RepQueryTerms: TStringField;
RepQueryPaymentMethod: TStringField;
RepQueryItemsTotal: TCurrencyField;
RepQueryTaxRate_1: TFloatField;
RepQueryFreight: TCurrencyField;
RepQueryAmountPaid: TCurrencyField;
RepQueryOrderNo_1: TFloatField;
RepQueryItemNo: TFloatField;
RepQueryPartNo: TFloatField;
RepQueryQty: TIntegerField;
RepQueryDiscount: TFloatField;
RepQueryPartNo_1: TFloatField;
RepQueryVendorNo: TFloatField;
RepQueryDescription: TStringField;
RepQueryOnHand: TFloatField;
RepQueryOnOrder: TFloatField;
RepQueryCost: TCurrencyField;
RepQueryListPrice: TCurrencyField;
QRLabel1: TQRLabel;
QRLabel2: TQRLabel;
QRLabel3: TQRLabel;
QRLabel4: TQRLabel;
QRExpr4: TQRExpr;
QRLabel5: TQRLabel;
ChildBand1: TQRChildBand;

TitleBand1: TQRBand;
Customer: TTable;
QRDBText1: TQRDBText;
QRLabel1: TQRLabel;
QRDBText2: TQRDBText;
QRLabel2: TQRLabel;
QRDBText3: TQRDBText;
QRLabel3: TQRLabel;
QRDBText4: TQRDBText;
QRLabel4: TQRLabel;
QRLabel5: TQRLabel;
QRDBText5: TQRDBText;
QRLabel6: TQRLabel;
QRSysData1: TQRSysData;
QRSysData2: TQRSysData;
QRExpr1: TQRExpr;
QRGroup1: TQRGroup;
private
{ Private declarations }
public
{ Public declarations }
end;
var
GrpListForm: TGrpListForm;
implementation
{ \$R *.dfm }
end.
//////////
5
unit List;
interface
uses
SysUtils, WinTypes, WinProcs,
Messages, Classes, Graphics,
Controls,
Forms, Dialogs, ExtCtrls, quickrpt,
DB, DBTables, QrCtrls;
type
TListForm = class(TForm)
QuickRep: TQuickRep;
DetailBand1: TQRBand;

Orders: TTable;
CustomerDS: TDataSource;
QRSubDetail1: TQRSubDetail;
QRDBText6: TQRDBText;
QRDBText7: TQRDBText;
QRDBText10: TQRDBText;
QRLabel7: TQRLabel;
QRLabel8: TQRLabel;
QRLabel9: TQRLabel;
GroupFooterBand1: TQRBand;
QRExpr1: TQRExpr;
QRLabel10: TQRLabel;
QRLabel11: TQRLabel;
QRExpr2: TQRExpr;
ChildBand1: TQRChildBand;
private
{ Private declarations }
public
{ Public declarations }
end;
var
MDForm: TMDForm;
implementation
{ \$R *.dfm }
end.
//////////
4
unit Grplist;
interface
uses
SysUtils, WinTypes, WinProcs,
Messages, Classes, Graphics,
Controls,
Forms, Dialogs, ExtCtrls, quickrpt,
DB, DBTables, QrCtrls;
type
TGrpListForm = class(TForm)
QuickRep: TQuickRep;
DetailBand1: TQRBand;
ColumnHeaderBand1: TQRBand;
PageFooterBand1: TQRBand;

Top = 89
Width = 787
Height = 618
Caption = 'MDForm'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'System'
Font.Style = []
OldCreateOrder = True
Scaled = False
PixelsPerInch = 96
TextHeight = 16
<-----> Object Customer: TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexFieldNames = 'Company'
ReadOnly = True
TableName = 'CUSTOMER.DB'
Left = 20
Top = 76
end
<-----> Object Orders: TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexFieldNames = 'CustNo'
MasterFields = 'CustNo'
MasterSource = CustomerDS
ReadOnly = True
TableName = 'ORDERS.DB'
Left = 12
Top = 132
end
<-----> Object CustomerDS: TDataSource
DataSet = Customer
Left = 28
Top = 20
end
End
////////////////////////////////////
2
<-----> Object ManyGrpForm: TManyGrpForm
Left = 135
Top = 87

ColumnHeaderBand1: TQRBand;
PageFooterBand1: TQRBand;
TitleBand1: TQRBand;
Customer: TTable;
QRDBText1: TQRDBText;
QRLabel1: TQRLabel;
QRDBText2: TQRDBText;
QRLabel2: TQRLabel;
QRDBText3: TQRDBText;
QRLabel3: TQRLabel;
QRDBText4: TQRDBText;
QRLabel4: TQRLabel;
QRLabel5: TQRLabel;
QRDBText5: TQRDBText;
QRLabel6: TQRLabel;
QRSysData1: TQRSysData;
QRSysData2: TQRSysData;
private
{ Private declarations }
public
{ Public declarations }
end;
var
ListForm: TListForm;
implementation
{SR *.dfm}
end.
////////////////////////////////////

<-----> Object\$72
الملف النصي لبرنامج
(Qr2)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١
1
<-----> Object MDForm: TMDForm
Left = 117

Size = 15
end
<-----> Object RepQueryState: TStringField
FieldName = 'State'
end
<-----> Object RepQueryZip: TStringField
FieldName = 'Zip'
Size = 10
end
<-----> Object RepQueryCountry: TStringField
FieldName = 'Country'
end
<-----> Object RepQueryPhone: TStringField
FieldName = 'Phone'
Size = 15
end
<-----> Object RepQueryFAX: TStringField
FieldName = 'FAX'
Size = 15
end
<-----> Object RepQueryTaxRate: TFloatField
FieldName = 'TaxRate'
end
<-----> Object RepQueryContact: TStringField
FieldName = 'Contact'
end
<-----> Object RepQueryLastInvoiceDate: TDateTimeField
FieldName = 'LastInvoiceDate'
end
<-----> Object RepQueryOrderNo: TFloatField
FieldName = 'OrderNo'
end
<-----> Object RepQueryCustNo_1: TFloatField
FieldName = 'CustNo_1'
end
<-----> Object RepQuerySaleDate: TDateTimeField

Width = 770
Height = 657
Caption = 'ManyGrpForm'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'System'
Font.Style = []
OldCreateOrder = True
Scaled = False
PixelsPerInch = 96
TextHeight = 16
<-----> Object RepQuery: TQuery
Active = True
DatabaseName = 'DBDEMOS'
SQL.Strings = ('select * from customer a, orders b, items c, parts d' 'where a.custno = b.custno' ' and b.orderno = c.orderno' ' and c.partno = d.partno' 'order by a.company, orderno')
Left = 18
Top = 10
<-----> Object RepQueryCustNo: TFloatField
FieldName = 'CustNo'
end
<-----> Object RepQueryCompany: TStringField
FieldName = 'Company'
Size = 30
end
<-----> Object RepQueryAddr1: TStringField
FieldName = 'Addr1'
Size = 30
end
<-----> Object RepQueryAddr2: TStringField
FieldName = 'Addr2'
Size = 30
end
<-----> Object RepQueryCity: TStringField
FieldName = 'City'

TStringField
FieldName = 'ShipToPhone'
Size = 15
end
<-----> Object
RepQueryShipVIA: TStringField
FieldName = 'ShipVIA'
Size = 7
end
<-----> Object RepQueryPO:
TStringField
FieldName = 'PO'
Size = 15
end
<-----> Object RepQueryTerms:
TStringField
FieldName = 'Terms'
Size = 6
end
<-----> Object
RepQueryPaymentMethod:
TStringField
FieldName = 'PaymentMethod'
Size = 7
end
<-----> Object
RepQueryItemsTotal:
TCurrencyField
FieldName = 'ItemsTotal'
end
<-----> Object
RepQueryTaxRate_1: TFloatField
FieldName = 'TaxRate_1'
end
<-----> Object RepQueryFreight:
TCurrencyField
FieldName = 'Freight'
end
<-----> Object
RepQueryAmountPaid:
TCurrencyField
FieldName = 'AmountPaid'
end
<-----> Object
RepQueryOrderNo_1: TFloatField
FieldName = 'OrderNo_1'
end
<-----> Object RepQueryItemNo:
TFloatField

FieldName = 'SaleDate'
end
<-----> Object
RepQueryShipDate:
TDateTimeField
FieldName = 'ShipDate'
end
<-----> Object RepQueryEmpNo:
TIntegerField
FieldName = 'EmpNo'
end
<-----> Object
RepQueryShipToContact:
TStringField
FieldName = 'ShipToContact'
end
<-----> Object
RepQueryShipToAddr1:
TStringField
FieldName = 'ShipToAddr1'
Size = 30
end
<-----> Object
RepQueryShipToAddr2:
TStringField
FieldName = 'ShipToAddr2'
Size = 30
end
<-----> Object
RepQueryShipToCity: TStringField
FieldName = 'ShipToCity'
Size = 15
end
<-----> Object
RepQueryShipToState: TStringField
FieldName = 'ShipToState'
end
<-----> Object
RepQueryShipToZip: TStringField
FieldName = 'ShipToZip'
Size = 10
end
<-----> Object
RepQueryShipToCountry:
TStringField
FieldName = 'ShipToCountry'
end
<-----> Object
RepQueryShipToPhone:

TMainForm
Left = 182
Top = 121
BorderStyle = bsDialog
Caption = 'QuickReport 2.0 Example reports'
ClientHeight = 331
ClientWidth = 552
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
Scaled = False
OnActivate = FormActivate
PixelsPerInch = 96
TextHeight = 16
<-----> Object Label1: TLabel
Left = 56
Top = 4
Width = 174
Height = 34
Caption = 'QuickReport'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -29
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
Transparent = True
end
<-----> Object Label2: TLabel
Left = 236
Top = 18
Width = 70
Height = 16
Caption = 'Version 2.0'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'Arial'
Font.Style = [fsBold]

FieldName = 'ItemNo'
end
<-----> Object RepQueryPartNo: TFloatField
FieldName = 'PartNo'
end
<-----> Object RepQueryQty: TIntegerField
FieldName = 'Qty'
end
<-----> Object RepQueryDiscount: TFloatField
FieldName = 'Discount'
end
<-----> Object RepQueryPartNo_1: TFloatField
FieldName = 'PartNo_1'
end
<-----> Object RepQueryVendorNo: TFloatField
FieldName = 'VendorNo'
end
<-----> Object RepQueryDescription: TStringField
FieldName = 'Description'
Size = 30
end
<-----> Object RepQueryOnHand: TFloatField
FieldName = 'OnHand'
end
<-----> Object RepQueryOnOrder: TFloatField
FieldName = 'OnOrder'
end
<-----> Object RepQueryCost: TCurrencyField
FieldName = 'Cost'
end
<-----> Object RepQueryListPrice: TCurrencyField
FieldName = 'ListPrice'
end
end
End
//////////
3
<-----> Object MainForm:

Caption = 'ListForm'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'System'
Font.Style = []
OldCreateOrder = True
Scaled = False
PixelsPerInch = 96
TextHeight = 16
<-----> Object Customer: TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexFieldNames = 'Company'
ReadOnly = True
TableName = 'CUSTOMER.DB'
Left = 4
Top = 4
end
End
////////////////////////////////////
5
<-----> Object GrpListForm: TGrpListForm
Left = 138
Top = 108
Width = 680
Height = 587
Caption = 'GrpListForm'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'System'
Font.Style = []
OldCreateOrder = True
Scaled = False
PixelsPerInch = 96
TextHeight = 16
<-----> Object Customer: TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexFieldNames = 'Company'
ReadOnly = True

TRadioButton
Left = 12
Top = 114
Width = 179
Height = 17
Caption = 'Composite report'
TabOrder = 5
OnClick = RadioButton1Click
end
end
<-----> Object Preview: TButton
Left = 4
Top = 292
Width = 89
Height = 29
Caption = 'P&review'
TabOrder = 1
OnClick = PreviewClick
end
<-----> Object Print: TButton
Left = 100
Top = 292
Width = 89
Height = 29
Caption = '&Print'
TabOrder = 2
OnClick = PrintClick
end
<-----> Object Exit: TButton
Left = 456
Top = 292
Width = 89
Height = 29
Caption = 'E&xit'
TabOrder = 3
OnClick = ExitClick
end
End
////////////////////////////////////
5
<-----> Object ListForm: TListForm
Left = 138
Top = 115
Width = 685
Height = 587

ExtCtrls, StdCtrls, quickrpt, Db, DBTables, printers, qrextra, QRExport,
qrprntr;
const
Composite_Description = 'The composite control can be used to link several'+
' reports together as a single report.';
type
TfrmQR3Demo = class(TForm)
QRTextFilter1: TQRTextFilter;
QRCSVFilter1: TQRCSVFilter;
QRHTMLFilter1:
TQRHTMLFilter;
QRCompositeReport1:
TQRCompositeReport;
Label1: TLabel;
VersionLbl: TLabel;
Label3: TLabel;
GroupBox1: TGroupBox;
rbCreateList: TRadioButton;
btnPreview: TButton;
btnPrint: TButton;
rbMasterDetail: TRadioButton;
Description: TMemo;
OpenDialog1: TOpenDialog;
cbPreview: TComboBox;
Label4: TLabel;
rbExprMemo: TRadioButton;
rbImage: TRadioButton;
rbBasicMD: TRadioButton;
btnFilters: TButton;
rbComposite: TRadioButton;
Label5: TLabel;
rbNeedData: TRadioButton;
rbFormLetter: TRadioButton;
btnExport: TButton;
SaveDialog1: TSaveDialog;
rbAbout: TRadioButton;
rbGrouping: TRadioButton;
Image2: TImage;
<-----> procedure
CreateList(Sender: TObject);
<-----> procedure

TableName = 'CUSTOMER.DB'
Left = 12
Top = 12
end
End
////////////////////////////////////

الملف التنفيذي لبرنامج
(Qr3)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
{ علاء الدين اللباد }
procedures 110
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0/6.0 ::
::
::
:: Example reports project
::
::
:: Copyright (c) 1995-1999 QuSoft AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax: +47 22 41 74 91 ::
..... }
unit mdmain;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,

TCustomQuickRep read FReport
write SetReport;
end;
var
frmQR3Demo: TfrmQR3Demo;
implementation
uses mdrpt, exprmemo, image,
basicmd, needdata, frmltr,
history, grouping;
{SR *.dfm}
<-----> procedure
TfrmQR3Demo.SetReport(Value :
TCustomQuickRep);
begin
FReport := Value;
if Value <> nil then
if Value =
TCustomQuickRep(QRCompositeR
eport1) then
Description.Lines.Text :=
Composite Description
else
Description.Lines.Assign(Report.Des
cription);
end;
<-----> procedure
TfrmQR3Demo.CreateList(Sender:
TObject);
var
aReport : TCustomQuickRep;
SomeFields: TStringList;
MyTable: TTable;
nIdx: integer;
begin
{ Create a table on the fly, this
example uses a table from the demo
database }
MyTable := TTable.Create(self);
{ create the list of fields to output
from the table }
SomeFields := TStringList.Create;

QRCompositeReport1AddReports(S
ender: TObject);
<-----> procedure
btnCRClick(Sender: TObject);
<-----> procedure
rbCreateListClick(Sender:
TObject);
<-----> procedure
rbMasterDetailClick(Sender:
TObject);
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
FormActivate(Sender: TObject);
<-----> procedure
btnPreviewClick(Sender: TObject);
<-----> procedure
rbExprMemoClick(Sender:
TObject);
<-----> procedure
rbImageClick(Sender: TObject);
<-----> procedure
rbBasicMDClick(Sender: TObject);
<-----> procedure
btnFiltersClick(Sender: TObject);
<-----> procedure
rbCompositeClick(Sender:
TObject);
<-----> procedure
rbNeedDataClick(Sender: TObject);
<-----> procedure
rbFormLetterClick(Sender:
TObject);
<-----> procedure
btnExportClick(Sender: TObject);
<-----> procedure
rbAboutClick(Sender: TObject);
<-----> procedure
rbGroupingClick(Sender: TObject);
private
{ Private declarations }
FReport : TCustomQuickRep;
CreateListReport : TQuickRep;
<-----> procedure
SetReport(Value :
TCustomQuickRep);
public
{ Public declarations }
property Report :

// report.
for nIdx := 0 to aReport.Bands.ColumnHeaderBand. ControlCount -1 do
if aReport.Bands.ColumnHeaderBand. Controls[nIdx] is TQRPrintable then
with TQRPrintable(aReport.Bands.Colu mHeaderBand.Controls[nIdx]) do
Left := Left - (5 * nIdx);
for nIdx := 0 to aReport.Bands.DetailBand.ControlC ount -1 do
if aReport.Bands.DetailBand.Controls[nIdx] is TQRPrintable then
with TQRPrintable(aReport.Bands.Detail Band.Controls[nIdx]) do
Left := Left - (5 * nIdx);
{ You can change the report objects before calling the report }
// areport.page.orientation := poLandscape;
{preview or print the report}
if sender = btnPreview then
begin
case cbPreview.ItemIndex of
0: areport.preview;
1: areport.previewModal;
2: areport.previewModeless;
end;
end
else if sender = btnPrint then
areport.print;
{ all done, free the objects }
aReport.Free;
MyTable.Free;
SomeFields.Free;
end;

with MyTable do
begin
DatabaseName := 'DBDEMOS';
TableName := 'COUNTRY.DB';
ReadOnly := True;
Active := True;
// For this example, we will pull the field names from the table
// If you wanted to only use some of the fields, you would edit
// this list.
for nIdx := 0 to FieldCount - 1 do
SomeFields.Add(Fields[nIdx].FieldN ame);
end;
// If you didn't create the report, you must set the report object to nil // before calling QRCreateList
areport := nil;
{ Build the report }
// If you change the displaywidth, it will be reflecte in the created
// report
with MyTable.Fields[1] do
DisplayWidth := DisplayWidth div 2;
// create the report
QRCreateList(aReport, nil, MyTable, 'Country Listing', SomeFields);
// Make the column header's font use bold attribute
aReport.Bands.ColumnHeaderBand. Font.Style := [fsBold];
// Now adjust the spacing of the fields. There isn't any reason to
// do this, this is just to show how to access the controls on the

if i >=0 then
VersionLbl.Caption := 'Version' + copy(cQRName, i, 99);
// Create the report object used by the QRCreateList() function
CreateListReport := TQuickRep.Create(self);
CreateListReport.Description.Text := 'Example of how to call the QRCreateList function';
cbPreview.ItemIndex := 0;
end;
<-----> procedure TfrmQR3Demo.FormActivate(Sender: TObject);
begin
if Description.Lines.Count = 0 then
begin
rbCreateListClick(Self);
rbCreateList.Checked := True;
end;
end;
<-----> procedure TfrmQR3Demo.btnPreviewClick(Sender: TObject);
begin
// This code is more complicated than what you would
// typically need to run a report. Most of this code
// is to handle the selection of the various types of
// reports.
if report <> nil then
begin
if report = CreateListReport then
CreateList(Sender)
else if report = TCustomQuickRep(QRCompositeReport1) then
begin
if sender = btnPreview then
QRCompositeReport1.preview
else
QRCompositeReport1.print;
end

<-----> procedure TfrmQR3Demo.QRCompositeReport1AddReports(Sender: TObject);
begin
// The OnAddReports event is called by the CompositeReport
// to add the reports to list of reports
with QRCompositeReport1.Reports do
begin
Add(frmMasterDetail.QuickRep1);
Add(frmBasicMD.QuickRep1);
Add(frmImageRpt.QuickRep1);
end;
end;
<-----> procedure TfrmQR3Demo.btnCRClick(Sender: TObject);
begin
QRCompositeReport1.Preview;
end;
<-----> procedure TfrmQR3Demo.rbCreateListClick(Sender: TObject);
begin
Report := CreateListReport;
end;
<-----> procedure TfrmQR3Demo.rbMasterDetailClick(Sender: TObject);
begin
Report := frmMasterDetail.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.FormCreate(Sender: TObject);
var i: integer;
begin
// Get the current QuickReport version number from
// the qrprntr unit
i := pos(' ', cQRName);

end;
<-----> procedure TfrmQR3Demo.rbCompositeClick(S ender: TObject);
begin
Report := TCustomQuickRep(QRCompositeR eport1);
end;
<-----> procedure TfrmQR3Demo.rbNeedDataClick(S ender: TObject);
begin
Report := frmNeedData.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbFormLetterClick(Sender: TObject);
begin
Report := frmFormLetter.QuickRep1;
end;
// The following code show how to explicitly call an export
// filter without going through the preview
<-----> procedure TfrmQR3Demo.btnExportClick(Sen der: TObject);
begin
btnExport.Enabled := False;
with SaveDialog1 do
begin
if Execute then
begin
frmFormLetter.QuickRep1.ExportT oFilter(TQRCommaSeparatedFilter. Create(FileName));
{
Other filters:
HTML: TQRHTMLDocumentFilter
ASCII: TQRAsciiExportFilter
CSV: TQRCommaSeparatedFilter

else
begin
if sender = btnPreview then
begin
case cbPreview.ItemIndex of
0: report.preview;
1: report.previewModal;
2: report.previewModeless;
end;
end
else if sender = btnPrint then
report.print;
end;
end;
<-----> procedure TfrmQR3Demo.rbExprMemoClick(Sender: TObject);
begin
Report := frmExprmemo.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbImageClick(Send er: TObject);
begin
Report := frmImageRpt.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbBasicMDClick(Se nder: TObject);
begin
Report := frmBasicMD.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.btnFiltersClick(Sen der: TObject);
begin
MessageDlg('When an export filter control is dropped on a form, it''s added to all of the previews',mtInformation, [mbok], 0);

..... }
unit basicmd;
interface
uses Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, Db, DBTables, ExtCtrls, QuickRpt, Qrctrls;
type TfrmBasicMD = class(TForm) QuickRep1: TQuickRep; dsCustomer: TDataSource; tbCustomer: TTable; DetailBand1: TQRBand; QRSubDetail1: TQRSubDetail; QRDBText1: TQRDBText; QRDBText2: TQRDBText; qryOrders: TQuery; QRGroup1: TQRGroup; QRDBText3: TQRDBText; ColumnHeaderBand1: TQRBand; QRLabel1: TQRLabel; QRLabel2: TQRLabel; QRLabel3: TQRLabel; QRDBText4: TQRDBText; QRLabel4: TQRLabel; QRBand1: TQRBand; QRExpr1: TQRExpr; QRLabel5: TQRLabel; private { Private declarations } public { Public declarations } end;
var frmBasicMD: TfrmBasicMD;
implementation
{ \$R *.dfm }

In Professional Version:
RTF: TQRRTFExportFilter
WMF: TQRWMFExportFilter
Excel: TQRXLSFilter
}
end;
end;
btnExport.Enabled := True;
end;
<-----> procedure TfrmQR3Demo.rbAboutClick(Sender: TObject);
begin
Report := frmHistory.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbGroupingClick(Sender: TObject);
begin
Report := frmGrouping.QuickRep1;
end;
end.
////////////////////////////////////
2
{ :: QuickReport 3.0 for Delphi 3.0/4.0/5.0 :: :: :: :: Basic Master/Detail report with group bands :: :: :: :: Copyright (c) 1995-1999 QuSoft AS :: :: All Rights Reserved :: :: :: :: web: http://www.qusoft.com fax: +47 22 41 74 91 ::

tbCustomerCity: TStringField;	end.
tbCustomerState: TStringField;	
tbCustomerZip: TStringField;	////////
tbCustomerCountry:	
TStringField;	////////////////////
tbCustomerPhone: TStringField;	3
tbCustomerFAX: TStringField;	{
tbCustomerTaxRate: TFloatField;	.....
tbCustomerContact:	.....
TStringField;	:: QuickReport 3.0 for Delphi
tbCustomerLastInvoiceDate:	3.0/4.0/5.0 ::
TDateTimeField;	::
QRExprMemo1:	::
TQRExprMemo;	:: Demonstration on how to use the
private	TQRExprMemo control ::
{ Private declarations }	::
public	::
{ Public declarations }	:: Copyright (c) 1995-1999 QuSoft
end;	AS ::
	:: All Rights Reserved
var	::
frmExprmemo: TfrmExprmemo;	::
	::
implementation	:: web: http://www.qusoft.com fax:
	+47 22 41 74 91 ::
{SR *.dfm}	.....
 }
end.	unit exprmemo;
////////	
4	interface
{	
.....	uses
.....	Windows, Messages, SysUtils,
:: QuickReport 3.0 for Delphi	Classes, Graphics, Controls, Forms,
3.0/4.0/5.0 ::	Dialogs,
::	QuickRpt, Qrctrls, Db, DBTables,
::	ExtCtrls;
:: Simple report for doing a form	
letter ::	type
::	TfrmExprmemo = class(TForm)
::	QuickRep1: TQuickRep;
:: Copyright (c) 1995-1999 QuSoft	tbCustomer: TTable;
AS ::	DetailBand1: TQRBand;
:: All Rights Reserved	tbCustomerCustNo: TFloatField;
::	tbCustomerCompany:
::	TStringField;
::	tbCustomerAddr1: TStringField;
:: web: http://www.qusoft.com fax:	tbCustomerAddr2: TStringField;
+47 22 41 74 91 ::	

var
frmFormLetter: TfrmFormLetter;
implementation
{SR *.dfm}
<-----> procedure TfrmFormLetter.DetailBand1Before Print(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
if FirstDetail then
FirstDetail := False
else
QuickRep1.NewPage;
end;
<-----> procedure TfrmFormLetter.QuickRep1Before Print(Sender: TCustomQuickRep; var PrintReport: Boolean);
begin
FirstDetail := True;
end;
end.
////////////////////////////////////
5
{
.....
.....
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0 ::
::
::
:: Simple report for grouping data
::
::
:: Copyright (c) 1995-1999 QuSoft AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax:

.....
..... }
unit frmltr;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, Db, DBTables, ExtCtrls, QuickRpt, Qrctrls;
type
TfrmFormLetter = class(TForm)
QuickRep1: TQuickRep;
qryEmployee: TQuery;
DetailBand1: TQRBand;
qryEmployeeEmpNo: TIntegerField;
qryEmployeeLastName: TStringField;
qryEmployeeFirstName: TStringField;
qryEmployeePhoneExt: TStringField;
qryEmployeeHireDate: TDateTimeField;
qryEmployeeSalary: TFloatField;
QRExprMemo1: TQRExprMemo;
PageHeaderBand1: TQRBand;
QRSysData1: TQRSysData;
<-----> procedure DetailBand1BeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
<-----> procedure QuickRep1BeforePrint(Sender: TCustomQuickRep; var PrintReport: Boolean);
private
{ Private declarations }
FirstDetail: boolean;
public
{ Public declarations }
end;

QRLabel6: TQRLabel;
QRLabel7: TQRLabel;
QRLabel8: TQRLabel;
PageHeaderBand1: TQRBand;
QRSysData1: TQRSysData;
QRSysData2: TQRSysData;
private
{ Private declarations }
public
{ Public declarations }
end;
var
frmGrouping: TfrmGrouping;
implementation
{SR *.dfm}
end.
////////////////////////////////////
6
{
.....
.....
:: QuickReport 3.0 for Delphi
3.0/4.0/5.0 ::
::
::
:: Simple report for print the
contents of a stringlist ::
::
::
:: Copyright (c) 1995-1999 QuSoft
AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax:
+47 22 41 74 91 ::
.....
.....
.....
unit history;
interface

+47 22 41 74 91 ::
.....
.....
unit grouping;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
Db, DBTables, ExtCtrls, QuickRpt,
Qrctrls;
type
TfrmGrouping = class(TForm)
QuickRep1: TQuickRep;
MasterQry: TQuery;
MasterQrycompany:
TStringField;
MasterQryorderno: TFloatField;
MasterQrycustno: TFloatField;
MasterQryItemsTotal:
TCurrencyField;
DetailBand1: TQRBand;
QRDBText2: TQRDBText;
QRGroup1: TQRGroup;
QRDBText4: TQRDBText;
DataSource1: TDataSource;
DetailQry: TQuery;
DetailQryOrderNo: TFloatField;
DetailQryQty: TIntegerField;
DetailQryItemNo: TFloatField;
QRSubDetail1: TQRSubDetail;
QRDBText1: TQRDBText;
QRDBText5: TQRDBText;
QRBand1: TQRBand;
QRExpr1: TQRExpr;
QRBand2: TQRBand;
QRExpr2: TQRExpr;
SummaryBand1: TQRBand;
QRExpr3: TQRExpr;
ColumnHeaderBand1: TQRBand;
QRLabel1: TQRLabel;
QRLabel2: TQRLabel;
QRLabel4: TQRLabel;
QRLabel5: TQRLabel;

+47 22 41 74 91 ::
..... }
unit image;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, Qrctrls, QuickRpt, Db, DBTables, ExtCtrls;
type
TfrmImageRpt = class(TForm)
QuickRep1: TQuickRep;
tbBio: TTable;
DetailBand1: TQRBand;
tbBioSpeciesNo: TFloatField;
tbBioCategory: TStringField;
tbBioCommon_Name: TStringField;
tbBioSpeciesName: TStringField;
tbBioLengthcm: TFloatField;
tbBioLength_In: TFloatField;
tbBioNotes: TMemoField;
tbBioGraphic: TGraphicField;
QRDBText1: TQRDBText;
QRDBImage1: TQRDBImage;
ColumnHeaderBand1: TQRBand;
QRLLabel1: TQRLLabel;
QRLLabel2: TQRLLabel;
private
{ Private declarations }
public
{ Public declarations }
end;
var
frmImageRpt: TfrmImageRpt;
implementation
{ \$R *.dfm }
end.

uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, QuickRpt, Qrctrls, ExtCtrls;
type
TfrmHistory = class(TForm)
QuickRep1: TQuickRep;
DetailBand1: TQRBand;
QRMemo1: TQRMemo;
PageHeaderBand1: TQRBand;
QRSysData1: TQRSysData;
private
{ Private declarations }
public
{ Public declarations }
end;
var
frmHistory: TfrmHistory;
implementation
{ \$R *.dfm }
end.
////////////////////////////////////
7
{
.....
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0 ::
::
::
:: Simple report with graphics
::
::
:: Copyright (c) 1995-1999 QuSoft AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax:

qryOrders: TQuery;	
QRDBText3: TQRDBText;	////////////////////////////////////
QRDBText4: TQRDBText;	8
dsOrders: TDataSource;	
qryItems: TQuery;	{
QRSubDetailItems:	.....
TQRSubDetail;	.....
QRDBText5: TQRDBText;	:: QuickReport 3.0 for Delphi
QRDBText2: TQRDBText;	3.0/4.0/5.0 ::
QRDBText6: TQRDBText;	::
QRDBText7: TQRDBText;	::
QRDBText9: TQRDBText;	:: Master/Detail report with some
QRGroupCust: TQRGroup;	extra code ::
QRLabel1: TQRLabel;	::
QRLabel2: TQRLabel;	::
QRShapeGray: TQRShape;	:: Copyright (c) 1995-1999 QuSoft
QRLabel3: TQRLabel;	AS ::
QRLabel4: TQRLabel;	:: All Rights Reserved
QRLabel5: TQRLabel;	::
QRLabel6: TQRLabel;	::
QRDBOrderNo: TQRDBText;	:: web: http://www.qusoft.com fax:
QRDBSalesDate: TQRDBText;	+47 22 41 74 91 ::
GroupFooterBand1: TQRBand;	
<-----> procedure	.....
QRSubDetailOrdersBeforePrint(Sender: TQRCustomBand; }
var PrintBand: Boolean);	unit mdrpt;
<-----> procedure	
QRSubDetailItemsBeforePrint(Sender: TQRCustomBand;	interface
var PrintBand: Boolean);	
<-----> procedure	uses
QRGroupCustBeforePrint(Sender: TQRCustomBand;	Windows, Messages, SysUtils,
var PrintBand: Boolean);	Classes, Graphics, Controls, Forms,
<-----> procedure	Dialogs,
DetailBand1BeforePrint(Sender: TQRCustomBand;	QuickRpt, Qrctrls, Db, DBTables,
var PrintBand: Boolean);	ExtCtrls;
<-----> procedure	
QRSubDetailItemsAfterPrint(Sender: TQRCustomBand;	type
BandPrinted: Boolean);	TfrmMasterDetail = class(TForm)
<-----> procedure	QuickRep1: TQuickRep;
PageHeaderBand1BeforePrint(Sender: TQRCustomBand;	DetailBand1: TQRBand;
var PrintBand: Boolean);	dsCustomer: TDataSource;
private	qryCustomer: TQuery;
{ Private declarations }	PageHeaderBand1: TQRBand;
	QRDBText1: TQRDBText;
	QRSysData1: TQRSysData;
	QRSysData2: TQRSysData;
	QRSubDetailOrders:
	TQRSubDetail;

end;
<-----> procedure TfrmMasterDetail.QRSubDetailOrdersBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean); begin // We are print the order information on the first item subdetail // record. If there are no item records, then we print the subdetail // Enable the order fields on the item subdetail band. After they are // printed once, they will be disabled until the next order/item set QRDBOrderNo.Enabled := true; QRDBSalesDate.Enabled := QRDBOrderNo.Enabled; // Only allow this band to print if there are no subdetails qryItems.First; PrintBand := qryItems.EOF; end;
<-----> procedure TfrmMasterDetail.QRSubDetailItemsBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean); begin // toggle the item background so that we can have alternating colors // like the greenbar paper we all know and love. with QRShapeGray.Brush do if Color = \$00F0F0F0 then Color := \$00E0E0E0 else Color := \$00F0F0F0; end;
<-----> procedure TfrmMasterDetail.QRSubDetailItemsAfterPrint(Sender: TQRCustomBand;

public { Public declarations } end;
var frmMasterDetail: TfrmMasterDetail;
implementation {SR *.dfm}
<-----> procedure TfrmMasterDetail.DetailBand1BeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean); begin // If there are no subdetails, then we print this band. Otherwise we // let the group header print the controls from this band. Group bands // can be reprinted on page breaks, which detail and subdetails can't do. qryOrders.First; PrintBand := qryOrders.EOF; // If it's our turn to print and the group band has our controls, then // we take them back. if PrintBand and (Sender.ControlCount = 0) then with QRGroupCust do while ControlCount > 0 do Controls[0].Parent := Sender; end;
<-----> procedure TfrmMasterDetail.QRGroupCustBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean); begin // We grab the detail band fields right from under it. if Sender.ControlCount = 0 then with DetailBand1 do While ControlCount > 0 do Controls[0].Parent := Sender;

```

unit mdrpt;

interface

uses
  Windows, Messages, SysUtils,
  Classes, Graphics, Controls, Forms,
  Dialogs,
  QuickRpt, Qrctrls, Db, DBTables,
  ExtCtrls;

type
  TfrmMasterDetail = class(TForm)
    QuickRep1: TQuickRep;
    DetailBand1: TQRBand;
    dsCustomer: TDataSource;
    qryCustomer: TQuery;
    PageHeaderBand1: TQRBand;
    QRDBText1: TQRDBText;
    QRSysData1: TQRSysData;
    QRSysData2: TQRSysData;
    QRSubDetailOrders:
    TQRSubDetail;
    qryOrders: TQuery;
    QRDBText3: TQRDBText;
    QRDBText4: TQRDBText;
    dsOrders: TDataSource;
    qryItems: TQuery;
    QRSubDetailItems:
    TQRSubDetail;
    QRDBText5: TQRDBText;
    QRDBText2: TQRDBText;
    QRDBText6: TQRDBText;
    QRDBText7: TQRDBText;
    QRDBText9: TQRDBText;
    QRGroupCust: TQRGroup;
    QRLabel1: TQRLabel;
    QRLabel2: TQRLabel;
    QRShapeGray: TQRShape;
    QRLabel3: TQRLabel;
    QRLabel4: TQRLabel;
    QRLabel5: TQRLabel;
    QRLabel6: TQRLabel;
    QRDBOrderNo: TQRDBText;
    QRDBSalesDate: TQRDBText;
    GroupFooterBand1: TQRBand;

    <-----> procedure
    QRSubDetailOrdersBeforePrint(Sen

```

```

BandPrinted: Boolean);
begin
  // After we print it once, we disable
  the controls
  QRDBOrderNo.Enabled := false;
  QRDBSalesDate.Enabled :=
  QRDBOrderNo.Enabled;
end;

<-----> procedure
TfrmMasterDetail.PageHeaderBand
1BeforePrint(
  Sender: TQRCustomBand; var
  PrintBand: Boolean);
begin
  // Re-enable the order fields on the
  item subdetail so that the order
  // information will be repeated after
  a page break
  QRDBOrderNo.Enabled := true;
  QRDBSalesDate.Enabled :=
  QRDBOrderNo.Enabled;
end;

end.

////////////////////////////////////
{
:::
:::
:: QuickReport 3.0 for Delphi
3.0/4.0/5.0      ::
::
::
:: Master/Detail report with some
extra code      ::
::
::
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::
::
:: web: http://www.qusoft.com fax:
+47 22 41 74 91  ::
:::
:::
}

```



```

PrintBand := qryOrders.EOF;

// If it's our turn to print and the
// group band has our controls, then
// we take them back.
if PrintBand and
(Sender.ControlCount = 0) then
with QRGroupCust do
while ControlCount > 0 do
Controls[0].Parent := Sender;
end;

<-----> procedure
TfrmMasterDetail.QRGroupCustBe
forePrint(Sender:
TQRCustomBand;
var PrintBand: Boolean);
begin
// We grab the detail band fields
right from under it.
if Sender.ControlCount = 0 then
with DetailBand1 do
While ControlCount > 0 do
Controls[0].Parent := Sender;
end;

<-----> procedure
TfrmMasterDetail.QRSubDetailOrd
ersBeforePrint(
Sender: TQRCustomBand; var
PrintBand: Boolean);
begin
// We are print the order
information on the first item
subdetail
// record. If there are no item
records, then we print the subdetail

// Enable the order fields on the
item subdetail band. After they are
// printed once, they will be
disabled until the next order/item set
QRDBOrderNo.Enabled := true;
QRDBSalesDate.Enabled :=
QRDBOrderNo.Enabled;

// Only allow this band to print if
there are no subdetails
qryItems.First;

```

```

der: TQRCustomBand;
var PrintBand: Boolean);
<-----> procedure
QRSubDetailItemsBeforePrint(Send
er: TQRCustomBand;
var PrintBand: Boolean);
<-----> procedure
QRGroupCustBeforePrint(Sender:
TQRCustomBand;
var PrintBand: Boolean);
<-----> procedure
DetailBand1BeforePrint(Sender:
TQRCustomBand;
var PrintBand: Boolean);
<-----> procedure
QRSubDetailItemsAfterPrint(Sende
r: TQRCustomBand;
BandPrinted: Boolean);
<-----> procedure
PageHeaderBand1BeforePrint(Send
er: TQRCustomBand;
var PrintBand: Boolean);
private
{ Private declarations }
public
{ Public declarations }
end;

var
frmMasterDetail:
TfrmMasterDetail;

implementation

{$R *.dfm}

<-----> procedure
TfrmMasterDetail.DetailBand1Befo
rePrint(Sender: TQRCustomBand;
var PrintBand: Boolean);
begin
// If there are no subdetails, then we
print this band. Otherwise we
// let the group header print the
controls from this band. Group
bands
// can be reprinted on page breaks,
which detail and subdetails can't do.
qryOrders.First;

```

////////////////////////////////////
9
{
.....
.....
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0 ::
::
::
:: Demo report that is populated by the OnNeedData event ::
::
::
:: Copyright (c) 1995-1999 QuSoft AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax: +47 22 41 74 91 ::
.....
..... }
unit needdata;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, ExtCtrls, QuickRpt, Qctrls;
type
TfrmNeedData = class(TForm)
QuickRep1: TQuickRep;
DetailBand1: TQRBand;
QRLabel1: TQRLabel;
TitleBand1: TQRBand;
QRSysData1: TQRSysData;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
QuickRep1BeforePrint(Sender: TCustomQuickRep;
var PrintReport: Boolean);
<-----> procedure

PrintBand := qryItems.EOF;
end;
<-----> procedure
TfrmMasterDetail.QRSubDetailIte msBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// toggle the item background so that we can have alternating colors
// like the greenbar paper we all know and love.
with QRShapeGray.Brush do
if Color = \$00F0F0F0 then
Color := \$00E0E0E0
else
Color := \$00F0F0F0;
end;
<-----> procedure
TfrmMasterDetail.QRSubDetailIte msAfterPrint(Sender: TQRCustomBand; BandPrinted: Boolean);
begin
// After we print it once, we disable the controls
QRDBOrderNo.Enabled := false;
QRDBSalesDate.Enabled := QRDBOrderNo.Enabled;
end;
<-----> procedure
TfrmMasterDetail.PageHeaderBand 1BeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// Re-enable the order fields on the item subdetail so that the order
// information will be repeated after a page break
QRDBOrderNo.Enabled := true;
QRDBSalesDate.Enabled := QRDBOrderNo.Enabled;
end;
end.

// If MoreData is true, then QuickReport will print
// another detail band. When you set it to false,
// the report is done.
MoreData := (CurrentIndex < SomeList.Count);
if MoreData then
begin
QRLabel1.Caption := SomeList[CurrentIndex];
// Here's how to set the progress bar
QuickRep1.QRPrinter.Progress := (Longint(CurrentIndex) * 100) div SomeList.Count;
end
else
QuickRep1.QRPrinter.Progress := 100;
Inc(CurrentIndex);
end;
end.
////////////////////////////////////
10
{
.....
.....
:: QuickReport 3.0 for Delphi
3.0/4.0/5.0/6.0 ::
::
::
:: Example reports project
::
::
::
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::
::
::
:: web: http://www.qusoft.com fax:

QuickRep1NeedData(Sender: TObject; var MoreData: Boolean);
private
{ Private declarations }
SomeList: TStringlist;
CurrentIndex: integer;
public
{ Public declarations }
end;
var
frmNeedData: TfrmNeedData;
implementation
{\$R *.dfm}
<-----> procedure TfrmNeedData.FormCreate(Sender: TObject);
var
i: integer;
begin
SomeList := TStringlist.Create;
for i := 0 to 500 do
SomeList.Add('Line ' + IntToStr(i));
end;
<-----> procedure TfrmNeedData.QuickRep1BeforePrint(Sender: TCustomQuickRep; var PrintReport: Boolean);
begin
// You must reset your data in the BeforePrint event
// or when you print from the preview, the report will
// start with the last value(s)
CurrentIndex := 0;
end;
<-----> procedure TfrmNeedData.QuickRep1NeedData(Sender: TObject; var MoreData: Boolean);
begin

Label5: TLabel;	+47 22 41 74 91 ::
rbNeedData: TRadioButton;	.....
rbFormLetter: TRadioButton; }
btnExport: TButton;	unit mdmain;
SaveDialog1: TSaveDialog;	
rbAbout: TRadioButton;	interface
rbGrouping: TRadioButton;	
Image2: TImage;	uses
<-----> procedure	Windows, Messages, SysUtils,
CreateList(Sender: TObject);	Classes, Graphics, Controls, Forms,
<-----> procedure	Dialogs,
QRCompositeReport1AddReports(S	ExtCtrls, StdCtrls, quickrpt, Db,
ender: TObject);	DBTables, printers, qrextra,
<-----> procedure	QRExport,
btnCRClick(Sender: TObject);	qrprntr;
<-----> procedure	
rbCreateListClick(Sender:	const
TObject);	Composite_Description = 'The
<-----> procedure	composite control can be used to link
rbMasterDetailClick(Sender:	several'+
TObject);	 ' reports together as a
<-----> procedure	single report.';
FormCreate(Sender: TObject);	
<-----> procedure	type
FormActivate(Sender: TObject);	TfrmQR3Demo = class(TForm)
<-----> procedure	QRTextFilter1: TQRTextFilter;
btnPreviewClick(Sender: TObject);	QRCSVFilter1: TQRCSVFilter;
<-----> procedure	QRHTMLFilter1:
rbExprMemoClick(Sender:	TQRHTMLFilter;
TObject);	QRCompositeReport1:
<-----> procedure	TQRCompositeReport;
rbImageClick(Sender: TObject);	Label1: TLabel;
<-----> procedure	VersionLbl: TLabel;
rbBasicMDClick(Sender: TObject);	Label3: TLabel;
<-----> procedure	GroupBox1: TGroupBox;
btnFiltersClick(Sender: TObject);	rbCreateList: TRadioButton;
<-----> procedure	btnPreview: TButton;
rbCompositeClick(Sender:	btnPrint: TButton;
TObject);	rbMasterDetail: TRadioButton;
<-----> procedure	Description: TMemo;
rbNeedDataClick(Sender: TObject);	OpenDialog1: TOpenDialog;
<-----> procedure	cbPreview: TComboBox;
rbFormLetterClick(Sender:	Label4: TLabel;
TObject);	rbExprMemo: TRadioButton;
<-----> procedure	rbImage: TRadioButton;
btnExportClick(Sender: TObject);	rbBasicMD: TRadioButton;
<-----> procedure	btnFilters: TButton;
rbAboutClick(Sender: TObject);	rbComposite: TRadioButton;
<-----> procedure	

MyTable: TTable;
nIdx: integer;
begin
{ Create a table on the fly, this example uses a table from the demo database }
MyTable := TTable.Create(self);
{ create the list of fields to output from the table }
SomeFields := TStringList.Create;
with MyTable do
begin
DatabaseName := 'DBDEMOS';
TableName := 'COUNTRY.DB';
ReadOnly := True;
Active := True;
// For this example, we will pull the field names from the table
// If you wanted to only use some of the fields, you would edit
// this list.
for nIdx := 0 to FieldCount - 1 do
SomeFields.Add(Fields[nIdx].FieldName);
end;
// If you didn't create the report, you must set the report object to nil
// before calling QRCreateList
areport := nil;
{ Build the report }
// If you change the displaywidth, it will be reflecte in the created
// report
with MyTable.Fields[1] do
DisplayWidth := DisplayWidth div 2;
// create the report
QRCreateList(aReport, nil, MyTable, 'Country Listing', SomeFields);

rbGroupingClick(Sender: TObject);
private
{ Private declarations }
FReport : TCustomQuickRep;
CreateListReport : TQuickRep;
<-----> procedure
SetReport(Value : TCustomQuickRep);
public
{ Public declarations }
property Report : TCustomQuickRep read FReport write SetReport;
end;
var
frmQR3Demo: TfrmQR3Demo;
implementation
uses mdrpt, exprmemo, image, basicmd, needdata, frmldr, history, grouping;
{ \$R *.dfm }
<-----> procedure
TfrmQR3Demo.SetReport(Value : TCustomQuickRep);
begin
FReport := Value;
if Value <> nil then
if Value = TCustomQuickRep(QRCompositeReport1) then
Description.Lines.Text := Composite_Description
else
Description.Lines.Assign(Report.Description);
end;
<-----> procedure
TfrmQR3Demo.CreateList(Sender: TObject);
var
aReport : TCustomQuickRep;
SomeFields: TStringList;

end;
end
else if sender = btnPrint then
areport.print;
{ all done, free the objects }
aReport.Free;
MyTable.Free;
SomeFields.Free;
end;
<-----> procedure
TfrmQR3Demo.QRCompositeReport1AddReports(Sender: TObject);
begin
// The OnAddReports event is called by the CompositeReport
// to add the reports to list of reports
with
QRCompositeReport1.Reports do
begin
Add(frmMasterDetail.QuickRep1);
Add(frmBasicMD.QuickRep1);
Add(frmImageRpt.QuickRep1);
end;
end;
<-----> procedure
TfrmQR3Demo.btnCRClick(Sender: TObject);
begin
QRCompositeReport1.Preview;
end;
<-----> procedure
TfrmQR3Demo.rbCreateListClick(Sender: TObject);
begin
Report := CreateListReport;
end;
<-----> procedure
TfrmQR3Demo.rbMasterDetailClick(Sender: TObject);
begin
Report :=
frmMasterDetail.QuickRep1;

// Make the column header's font use bold attribute
aReport.Bands.ColumnHeaderBand.Font.Style := [fsBold];
// Now adjust the spacing of the fields. There isn't any reason to
// do this, this is just to show how to access the controls on the
// report.
for nIdx := 0 to
aReport.Bands.ColumnHeaderBand.ControlCount -1 do
if
aReport.Bands.ColumnHeaderBand.Controls[nIdx] is TQRPrintable then
with
TQRPrintable(aReport.Bands.ColumnHeaderBand.Controls[nIdx]) do
Left := Left - (5 * nIdx);
for nIdx := 0 to
aReport.Bands.DetailBand.ControlCount -1 do
if
aReport.Bands.DetailBand.Controls[nIdx] is TQRPrintable then
with
TQRPrintable(aReport.Bands.DetailBand.Controls[nIdx]) do
Left := Left - (5 * nIdx);
{ You can change the report objects before calling the report }
// areport.page.orientation := poLandscape;
{preview or print the report}
if sender = btnPreview then
begin
case cbPreview.ItemIndex of
0: areport.preview;
1: areport.previewModal;
2: areport.previewModeless;

if report = CreateListReport then
CreateList(Sender)
else if report =
TCustomQuickRep(QRCompositeR
eport1) then
begin
if sender = btnPreview then
QRCompositeReport1.preview
else
QRCompositeReport1.print;
end
else
begin
if sender = btnPreview then
begin
case cbPreview.ItemIndex of
0: report.preview;
1: report.previewModal;
2: report.previewModeless;
end;
end
else if sender = btnPrint then
report.print;
end;
end;
end;
<-----> procedure
TfrmQR3Demo.rbExprMemoClick(
Sender: TObject);
begin
Report :=
frmExprmemo.QuickRep1;
end;
end;
<-----> procedure
TfrmQR3Demo.rbImageClick(Send
er: TObject);
begin
Report :=
frmImageRpt.QuickRep1;
end;
end;
<-----> procedure
TfrmQR3Demo.rbBasicMDClick(Se
nder: TObject);
begin
Report :=
frmBasicMD.QuickRep1;

end;
<-----> procedure
TfrmQR3Demo.FormCreate(Sender
: TObject);
var i: integer;
begin
// Get the current QuickReport
version number from
// the qrprntr unit
i := pos(' ', cQRName);
if i >=0 then
VersionLbl.Caption := 'Version' +
copy(cQRName, i, 99);
// Create the report object used by
the QRCreateList() function
CreateListReport :=
TQuickRep.Create(self);
CreateListReport.Description.Text
:= 'Example of how to call the
QRCreateList function';
cbPreview.ItemIndex := 0;
end;
end;
<-----> procedure
TfrmQR3Demo.FormActivate(Send
er: TObject);
begin
if Description.Lines.Count = 0 then
begin
rbCreateListClick(Self);
rbCreateList.Checked := True;
end;
end;
end;
<-----> procedure
TfrmQR3Demo.btnPreviewClick(Se
nder: TObject);
begin
// This code is more complicated
than what you would
// typically need to run a report.
Most of this code
// is to handle the selection of the
various types of
// reports.
if report <> nil then
begin

if Execute then
begin
frmFormLetter.QuickRep1.ExportToFilter(TQRCommaSeparatedFilter.Create(FileName));
{
Other filters:
HTML: TQRHTMLDocumentFilter
ASCII: TQRAsciiExportFilter
CSV: TQRCommaSeparatedFilter
In Professional Version:
RTF: TQRRTFExportFilter
WMF: TQRWMFExportFilter
Excel: TQRXLSFilter
}
end;
end;
btnExport.Enabled := True;
end;
<-----> procedure TfrmQR3Demo.rbAboutClick(Sender: TObject);
begin
Report := frmHistory.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbGroupingClick(Sender: TObject);
begin
Report :=
frmGrouping.QuickRep1;
end;
end.
////////////////////////////////////

end;
<-----> procedure TfrmQR3Demo.btnFiltersClick(Sender: TObject);
begin
MessageDlg('When an export filter control is dropped on a form, it's added to all of the previews',mtInformation, [mbok], 0);
end;
<-----> procedure TfrmQR3Demo.rbCompositeClick(Sender: TObject);
begin
Report :=
TCustomQuickRep(QRCompositeReport1);
end;
<-----> procedure TfrmQR3Demo.rbNeedDataClick(Sender: TObject);
begin
Report :=
frmNeedData.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbFormLetterClick(Sender: TObject);
begin
Report :=
frmFormLetter.QuickRep1;
end;
// The following code show how to explicitly call an export filter without going through the preview
<-----> procedure TfrmQR3Demo.btnExportClick(Sender: TObject);
begin
btnExport.Enabled := False;
with SaveDialog1 do
begin

' reports together as a single report.';
type
TfrmQR3Demo = class(TForm)
QRTextFilter1: TQRTextFilter;
QRCSVFilter1: TQRCSVFilter;
QRHTMLFilter1: TQRHTMLFilter;
QRCompositeReport1: TQRCompositeReport;
Label1: TLabel;
VersionLbl: TLabel;
Label3: TLabel;
GroupBox1: TGroupBox;
rbCreateList: TRadioButton;
btnPreview: TButton;
btnPrint: TButton;
rbMasterDetail: TRadioButton;
Description: TMemo;
OpenDialog1: TOpenDialog;
cbPreview: TComboBox;
Label4: TLabel;
rbExprMemo: TRadioButton;
rbImage: TRadioButton;
rbBasicMD: TRadioButton;
btnFilters: TButton;
rbComposite: TRadioButton;
Label5: TLabel;
rbNeedData: TRadioButton;
rbFormLetter: TRadioButton;
btnExport: TButton;
SaveDialog1: TSaveDialog;
rbAbout: TRadioButton;
rbGrouping: TRadioButton;
Image2: TImage;
<-----> procedure CreateList(Sender: TObject);
<-----> procedure QRCompositeReport1AddReports(S ender: TObject);
<-----> procedure btnCRClick(Sender: TObject);
<-----> procedure rbCreateListClick(Sender: TObject);
<-----> procedure rbMasterDetailClick(Sender: TObject);

الملف التنفيذي لبرنامج
(Qr3)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
{ علاء الدين اللباد }
procedures 110
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0/6.0 ::
::
::
:: Example reports project
::
::
:: Copyright (c) 1995-1999 QuSoft AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax: +47 22 41 74 91 ::
..... }
unit mdmain;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
ExtCtrls, StdCtrls, quickrpt, Db, DBTables, printers, qrextra, QRExport,
qrprntr;
const
Composite_Description = 'The composite control can be used to link several'+

basicmd, needdata, frmldr, history, grouping;
{SR *.dfm}
<-----> procedure TfrmQR3Demo.SetReport(Value : TCustomQuickRep);
begin
FReport := Value;
if Value <> nil then
if Value =
TCustomQuickRep(QRCompositeR eport1) then
Description.Lines.Text := Composite_Description
else
Description.Lines.Assign(Report.Des cription);
end;
<-----> procedure TfrmQR3Demo.CreateList(Sender: TObject);
var
aReport : TCustomQuickRep;
SomeFields: TStringList;
MyTable: TTable;
nIdx: integer;
begin
{ Create a table on the fly, this example uses a table from the demo database }
MyTable := TTable.Create(self);
{ create the list of fields to output from the table }
SomeFields := TStringList.Create;
with MyTable do
begin
DatabaseName := 'DBDEMOS';
TableName := 'COUNTRY.DB';
ReadOnly := True;
Active := True;
end;
// For this example, we will pull the field names from the table
// If you wanted to only use some

<-----> procedure FormCreate(Sender: TObject);
<-----> procedure FormActivate(Sender: TObject);
<-----> procedure btnPreviewClick(Sender: TObject);
<-----> procedure rbExprMemoClick(Sender: TObject);
<-----> procedure rbImageClick(Sender: TObject);
<-----> procedure rbBasicMDClick(Sender: TObject);
<-----> procedure btnFiltersClick(Sender: TObject);
<-----> procedure rbCompositeClick(Sender: TObject);
<-----> procedure rbNeedDataClick(Sender: TObject);
<-----> procedure rbFormLetterClick(Sender: TObject);
<-----> procedure btnExportClick(Sender: TObject);
<-----> procedure rbAboutClick(Sender: TObject);
<-----> procedure rbGroupingClick(Sender: TObject);
private
{ Private declarations }
FReport : TCustomQuickRep;
CreateListReport : TQuickRep;
<-----> procedure SetReport(Value : TCustomQuickRep);
public
{ Public declarations }
property Report : TCustomQuickRep read FReport write SetReport;
end;
var
frmQR3Demo: TfrmQR3Demo;
implementation
uses mdrpt, exprmemo, image,

TQRPrintable(aReport.Bands.ColumnHeaderBand.Controls[nIdx]) do
Left := Left - (5 * nIdx);
for nIdx := 0 to aReport.Bands.DetailBand.ControlCount - 1 do
if aReport.Bands.DetailBand.Controls[nIdx] is TQRPrintable then
with TQRPrintable(aReport.Bands.DetailBand.Controls[nIdx]) do
Left := Left - (5 * nIdx);
{ You can change the report objects before calling the report }
// areport.page.orientation := poLandscape;
{preview or print the report}
if sender = btnPreview then
begin
case cbPreview.ItemIndex of
0: areport.preview;
1: areport.previewModal;
2: areport.previewModeless;
end;
end
else if sender = btnPrint then
areport.print;
{ all done, free the objects }
aReport.Free;
MyTable.Free;
SomeFields.Free;
end;
<-----> procedure
TfrmQR3Demo.QRCompositeReport1.AddReports(Sender: TObject);
begin
// The OnAddReports event is called by the CompositeReport
// to add the reports to list of reports
with QRCompositeReport1.Reports do

of the fields, you would edit
// this list.
for nIdx := 0 to FieldCount - 1 do
SomeFields.Add(Fields[nIdx].FieldName);
end;
// If you didn't create the report, you must set the report object to nil
// before calling QRCreateList
areport := nil;
{ Build the report }
// If you change the displaywidth, it will be reflecte in the created
// report
with MyTable.Fields[1] do
DisplayWidth := DisplayWidth div 2;
// create the report
QRCreateList(aReport, nil, MyTable, 'Country Listing', SomeFields);
// Make the column header's font use bold attribute
aReport.Bands.ColumnHeaderBand.Font.Style := [fsBold];
// Now adjust the spacing of the fields. There isn't any reason to
// do this, this is just to show how to access the controls on the
// report.
for nIdx := 0 to aReport.Bands.ColumnHeaderBand.ControlCount - 1 do
if aReport.Bands.ColumnHeaderBand.Controls[nIdx] is TQRPrintable then
with

cbPreview.ItemIndex := 0;
end;
<-----> procedure TfrmQR3Demo.FormActivate(Sender: TObject);
begin
if Description.Lines.Count = 0 then
begin
rbCreateListClick(Self);
rbCreateList.Checked := True;
end;
end;
<-----> procedure TfrmQR3Demo.btnPreviewClick(Sender: TObject);
begin
// This code is more complicated than what you would
// typically need to run a report. Most of this code
// is to handle the selection of the various types of
// reports.
if report <> nil then
begin
if report = CreateListReport then
CreateList(Sender)
else if report =
TCustomQuickRep(QRCompositeR eport1) then
begin
if sender = btnPreview then
QRCompositeReport1.preview
else
QRCompositeReport1.print;
end
else
begin
if sender = btnPreview then
begin
case cbPreview.ItemIndex of
0: report.preview;
1: report.previewModal;
2: report.previewModeless;
end;

begin
Add(frmMasterDetail.QuickRep1);
Add(frmBasicMD.QuickRep1);
Add(frmImageRpt.QuickRep1);
end;
end;
<-----> procedure TfrmQR3Demo.btnCRClick(Sender : TObject);
begin
QRCompositeReport1.Preview;
end;
<-----> procedure TfrmQR3Demo.rbCreateListClick(S ender: TObject);
begin
Report := CreateListReport;
end;
<-----> procedure TfrmQR3Demo.rbMasterDetailClic k(Sender: TObject);
begin
Report :=
frmMasterDetail.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.FormCreate(Sender : TObject);
var i: integer;
begin
// Get the current QuickReport version number from
// the qrprntr unit
i := pos(' ', cQRName);
if i >= 0 then
VersionLbl.Caption := 'Version' + copy(cQRName, i, 99);
// Create the report object used by the QRCreateList() function
CreateListReport :=
TQuickRep.Create(self);
CreateListReport.Description.Text := 'Example of how to call the QRCreateList function';

end;
<-----> procedure TfrmQR3Demo.rbNeedDataClick(S ender: TObject);
begin
Report := frmNeedData.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbFormLetterClick(Sender: TObject);
begin
Report := frmFormLetter.QuickRep1;
end;
// The following code show how to explicitly call an export
// filter without going through the preview
<-----> procedure TfrmQR3Demo.btnExportClick(Sen der: TObject);
begin
btnExport.Enabled := False;
with SaveDialog1 do
begin
if Execute then
begin
frmFormLetter.QuickRep1.ExportT oFilter(TQRCommaSeparatedFilter. Create(FileName));
{
Other filters:
HTML: TQRHTMLDocumentFilter
ASCII: TQRAsciiExportFilter
CSV: TQRCommaSeparatedFilter
}
end;
end;
btnExport.Enabled := True;

end
else if sender = btnPrint then
report.print;
end;
end;
end;
<-----> procedure TfrmQR3Demo.rbExprMemoClick(Sender: TObject);
begin
Report := frmExprmemo.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbImageClick(Send er: TObject);
begin
Report := frmImageRpt.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbBasicMDClick(Se nder: TObject);
begin
Report := frmBasicMD.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.btnFiltersClick(Sen der: TObject);
begin
MessageDlg('When an export filter control is dropped on a form, it''s added to all of the previews',mtInformation, [mbok], 0);
end;
<-----> procedure TfrmQR3Demo.rbCompositeClick(S ender: TObject);
begin
Report := TCustomQuickRep(QRCompositeR eport1);

Classes, Graphics, Controls, Forms, Dialogs,	end;
Db, DBTables, ExtCtrls, QuickRpt, Qrctrls;	
	<-----> procedure
type	TfrmQR3Demo.rbAboutClick(Sender: TObject);
TfrmBasicMD = class(TForm)	begin
QuickRep1: TQuickRep;	Report := frmHistory.QuickRep1;
dsCustomer: TDataSource;	end;
tbCustomer: TTable;	
DetailBand1: TQRBand;	<-----> procedure
QRSubDetail1: TQRSubDetail;	TfrmQR3Demo.rbGroupingClick(Sender: TObject);
QRDBText1: TQRDBText;	begin
QRDBText2: TQRDBText;	Report :=
qryOrders: TQuery;	frmGrouping.QuickRep1;
QRGroup1: TQRGroup;	end;
QRDBText3: TQRDBText;	
ColumnHeaderBand1: TQRBand;	end.
QRLabel1: TQRLabel;	
QRLabel2: TQRLabel;	////////////////////////////////////
QRLabel3: TQRLabel;	2
QRDBText4: TQRDBText;	{
QRLabel4: TQRLabel;	.....
QRBand1: TQRBand;	.....
QRExpr1: TQRExpr;	:: QuickReport 3.0 for Delphi
QRLabel5: TQRLabel;	3.0/4.0/5.0 ::
private	::
{ Private declarations }	::
public	:: Basic Master/Detail report with
{ Public declarations }	group bands ::
end;	::
	::
var	:: Copyright (c) 1995-1999 QuSoft
frmBasicMD: TfrmBasicMD;	AS ::
	:: All Rights Reserved
implementation	::
	::
{SR *.dfm}	::
	:: web: http://www.qusoft.com fax:
end.	+47 22 41 74 91 ::

//////////////////////////////////// }
	unit basicmd;
3	
{	interface
.....	
.....	uses
	Windows, Messages, SysUtils,

TStringField;	:: QuickReport 3.0 for Delphi
tbCustomerLastInvoiceDate:	3.0/4.0/5.0 ::
TDateTimeField;	::
QRExprMemo1:	::
TQRExprMemo;	:: Demonstration on how to use the
private	TQRExprMemo control ::
{ Private declarations }	::
public	::
{ Public declarations }	:: Copyright (c) 1995-1999 QuSoft
end;	AS ::
	:: All Rights Reserved
	::
var	::
frmExprmemo: TfrmExprmemo;	::
	::
implementation	:: web: http://www.qusoft.com fax:
	+47 22 41 74 91 ::
{SR *.dfm}	.....
 }
end.	unit exprmemo;
//////////	
4	interface
{	
.....	uses
.....	Windows, Messages, SysUtils,
:: QuickReport 3.0 for Delphi	Classes, Graphics, Controls, Forms,
3.0/4.0/5.0 ::	Dialogs,
::	QuickRpt, Qrctrls, Db, DBTables,
::	ExtCtrls;
:: Simple report for doing a form	
letter ::	type
::	TfrmExprmemo = class(TForm)
::	QuickRep1: TQuickRep;
:: Copyright (c) 1995-1999 QuSoft	tbCustomer: TTable;
AS ::	DetailBand1: TQRBand;
:: All Rights Reserved	tbCustomerCustNo: TFloatField;
::	tbCustomerCompany:
::	TStringField;
::	tbCustomerAddr1: TStringField;
:: web: http://www.qusoft.com fax:	tbCustomerAddr2: TStringField;
+47 22 41 74 91 ::	tbCustomerCity: TStringField;
.....	tbCustomerState: TStringField;
..... }	tbCustomerZip: TStringField;
unit frmltr;	tbCustomerCountry:
	TStringField;
interface	tbCustomerPhone: TStringField;
	tbCustomerFAX: TStringField;
uses	tbCustomerTaxRate: TFloatField;
Windows, Messages, SysUtils,	tbCustomerContact:

Print(Sender: TQRCustomBand;
var PrintBand: Boolean);
begin
if FirstDetail then
FirstDetail := False
else
QuickRep1.NewPage;
end;
<-----> procedure
TfrmFormLetter.QuickRep1Before
Print(Sender: TCustomQuickRep;
var PrintReport: Boolean);
begin
FirstDetail := True;
end;
end.
////////////////////////////////////
5
{
.....
.....
:: QuickReport 3.0 for Delphi
3.0/4.0/5.0 ::
::
::
:: Simple report for grouping data
::
::
::
:: Copyright (c) 1995-1999 QuSoft
AS ::
:: All Rights Reserved
::
::
::
:: web: http://www.qusoft.com fax:
+47 22 41 74 91 ::
.....
..... }
unit grouping;
interface
uses

Classes, Graphics, Controls, Forms,
Dialogs,
Db, DBTables, ExtCtrls, QuickRpt,
Qrctrls;
type
TfrmFormLetter = class(TForm)
QuickRep1: TQuickRep;
qryEmployee: TQuery;
DetailBand1: TQRBand;
qryEmployeeEmpNo:
TIntegerField;
qryEmployeeLastName:
TStringField;
qryEmployeeFirstName:
TStringField;
qryEmployeePhoneExt:
TStringField;
qryEmployeeHireDate:
TDateTimeField;
qryEmployeeSalary: TFloatField;
QRExprMemo1:
TQRExprMemo;
PageHeaderBand1: TQRBand;
QRSysData1: TQRSysData;
<-----> procedure
DetailBand1BeforePrint(Sender:
TQRCustomBand;
var PrintBand: Boolean);
<-----> procedure
QuickRep1BeforePrint(Sender:
TCustomQuickRep;
var PrintReport: Boolean);
private
{ Private declarations }
FirstDetail: boolean;
public
{ Public declarations }
end;
var
frmFormLetter: TfrmFormLetter;
implementation
{ \$R *.dfm }
<-----> procedure
TfrmFormLetter.DetailBand1Before

{ Public declarations }
end;
var
frmGrouping: TfrmGrouping;
implementation
{ \$R *.dfm }
end.
////////////////////////////////
6
{
.....
.....
:: QuickReport 3.0 for Delphi
3.0/4.0/5.0 ::
::
::
:: Simple report for print the
contents of a stringlist ::
::
::
:: Copyright (c) 1995-1999 QuSoft
AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax:
+47 22 41 74 91 ::
.....
..... }
unit history;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
QuickRpt, QrCtrls, ExtCtrls;
type
TfrmHistory = class(TForm)

Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
Db, DBTables, ExtCtrls, QuickRpt,
QrCtrls;
type
TfrmGrouping = class(TForm)
QuickRep1: TQuickRep;
MasterQry: TQuery;
MasterQrycompany:
TStringField;
MasterQryorderno: TFloatField;
MasterQrycustno: TFloatField;
MasterQryItemsTotal:
TCurrencyField;
DetailBand1: TQRBand;
QRDBText2: TQRDBText;
QRGroup1: TQRGroup;
QRDBText4: TQRDBText;
DataSource1: TDataSource;
DetailQry: TQuery;
DetailQryOrderNo: TFloatField;
DetailQryQty: TIntegerField;
DetailQryItemNo: TFloatField;
QRSubDetail1: TQRSubDetail;
QRDBText1: TQRDBText;
QRDBText5: TQRDBText;
QRBand1: TQRBand;
QRExpr1: TQRExpr;
QRBand2: TQRBand;
QRExpr2: TQRExpr;
SummaryBand1: TQRBand;
QRExpr3: TQRExpr;
ColumnHeaderBand1: TQRBand;
QRLabel1: TQRLabel;
QRLabel2: TQRLabel;
QRLabel4: TQRLabel;
QRLabel5: TQRLabel;
QRLabel6: TQRLabel;
QRLabel7: TQRLabel;
QRLabel8: TQRLabel;
PageHeaderBand1: TQRBand;
QRSysData1: TQRSysData;
QRSysData2: TQRSysData;
private
{ Private declarations }
public

Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, QrCtrls, QuickRpt, Db, DBTables, ExtCtrls;
type
TfrmImageRpt = class(TForm)
QuickRep1: TQuickRep;
tbBio: TTable;
DetailBand1: TQRBand;
tbBioSpeciesNo: TFloatField;
tbBioCategory: TStringField;
tbBioCommon_Name: TStringField;
tbBioSpeciesName: TStringField;
tbBioLengthcm: TFloatField;
tbBioLength_In: TFloatField;
tbBioNotes: TMemoField;
tbBioGraphic: TGraphicField;
QRDBText1: TQRDBText;
QRDBImage1: TQRDBImage;
ColumnHeaderBand1: TQRBand;
QRLabel1: TQRLabel;
QRLabel2: TQRLabel;
private
{ Private declarations }
public
{ Public declarations }
end;
var
frmImageRpt: TfrmImageRpt;
implementation
{\$R *.dfm}
end.
////////////////////////////////////
8
{
.....
.....
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0 ::

QuickRep1: TQuickRep;
DetailBand1: TQRBand;
QRMemo1: TQRMemo;
PageHeaderBand1: TQRBand;
QRSysData1: TQRSysData;
private
{ Private declarations }
public
{ Public declarations }
end;
var
frmHistory: TfrmHistory;
implementation
{\$R *.dfm}
end.
////////////////////////////////////
7
{
.....
.....
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0 ::
::
::
:: Simple report with graphics
::
::
:: Copyright (c) 1995-1999 QuSoft AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax: +47 22 41 74 91 ::
.....
..... }
unit image;
interface
uses

QRDBText6: TQRDBText;	::
QRDBText7: TQRDBText;	::
QRDBText9: TQRDBText;	:: Master/Detail report with some extra code ::
QRGroupCust: TQRGroup;	::
QRLabel1: TQRLabel;	::
QRLabel2: TQRLabel;	::
QRShapeGray: TQRShape;	:: Copyright (c) 1995-1999 QuSoft AS ::
QRLabel3: TQRLabel;	:: All Rights Reserved
QRLabel4: TQRLabel;	::
QRLabel5: TQRLabel;	::
QRLabel6: TQRLabel;	::
QRDBOrderNo: TQRDBText;	::
QRDBSalesDate: TQRDBText;	:: web: http://www.qusoft.com fax: +47 22 41 74 91 ::
GroupFooterBand1: TQRBand;	
<-----> procedure QRSubDetailOrdersBeforePrint(Sen der: TQRCustomBand; }
var PrintBand: Boolean);	unit mdrpt;
<-----> procedure QRSubDetailItemsBeforePrint(Send er: TQRCustomBand;	
var PrintBand: Boolean);	interface
<-----> procedure QRGroupCustBeforePrint(Sender: TQRCustomBand;	uses
var PrintBand: Boolean);	Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
<-----> procedure DetailBand1BeforePrint(Sender: TQRCustomBand;	QuickRpt, Qrctrls, Db, DBTables, ExtCtrls;
var PrintBand: Boolean);	
<-----> procedure QRSubDetailItemsAfterPrint(Sende r: TQRCustomBand;	type
BandPrinted: Boolean);	TfrmMasterDetail = class(TForm)
<-----> procedure PageHeaderBand1BeforePrint(Send er: TQRCustomBand;	QuickRep1: TQuickRep;
var PrintBand: Boolean);	DetailBand1: TQRBand;
private	dsCustomer: TDataSource;
{ Private declarations }	qryCustomer: TQuery;
public	PageHeaderBand1: TQRBand;
{ Public declarations }	QRDBText1: TQRDBText;
end;	QRSysData1: TQRSysData;
	QRSysData2: TQRSysData;
var	QRSubDetailOrders: TQRSubDetail;
frmMasterDetail: TfrmMasterDetail;	qryOrders: TQuery;
	QRDBText3: TQRDBText;
implementation	QRDBText4: TQRDBText;
	dsOrders: TDataSource;
	qryItems: TQuery;
	QRSubDetailItems: TQRSubDetail;
	QRDBText5: TQRDBText;
	QRDBText2: TQRDBText;

information on the first item subdetail
// record. If there are no item records, then we print the subdetail
// Enable the order fields on the item subdetail band. After they are
// printed once, they will be disabled until the next order/item set
QRDBOrderNo.Enabled := true;
QRDBSalesDate.Enabled := QRDBOrderNo.Enabled;
// Only allow this band to print if there are no subdetails
qryItems.First;
PrintBand := qryItems.EOF;
end;
<-----> procedure TfrmMasterDetail.QRSubDetailItemsBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// toggle the item background so that we can have alternating colors
// like the greenbar paper we all know and love.
with QRShapeGray.Brush do
if Color = \$00F0F0F0 then
Color := \$00E0E0E0
else
Color := \$00F0F0F0;
end;
<-----> procedure TfrmMasterDetail.QRSubDetailItemsAfterPrint(Sender: TQRCustomBand; BandPrinted: Boolean);
begin
// After we print it once, we disable the controls
QRDBOrderNo.Enabled := false;
QRDBSalesDate.Enabled := QRDBOrderNo.Enabled;
end;

{ \$R *.dfm }
<-----> procedure TfrmMasterDetail.DetailBand1BeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// If there are no subdetails, then we print this band. Otherwise we
// let the group header print the controls from this band. Group bands
// can be reprinted on page breaks, which detail and subdetails can't do.
qryOrders.First;
PrintBand := qryOrders.EOF;
// If it's our turn to print and the group band has our controls, then
// we take them back.
if PrintBand and (Sender.ControlCount = 0) then
with QRGroupCust do
while ControlCount > 0 do
Controls[0].Parent := Sender;
end;
<-----> procedure TfrmMasterDetail.QRGroupCustBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// We grab the detail band fields right from under it.
if Sender.ControlCount = 0 then
with DetailBand1 do
While ControlCount > 0 do
Controls[0].Parent := Sender;
end;
<-----> procedure TfrmMasterDetail.QRSubDetailOrdersBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// We are print the order

ExtCtrls;	<-----> procedure
	TfrmMasterDetail.PageHeaderBand
type	1BeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
TfrmMasterDetail = class(TForm)	begin
QuickRep1: TQuickRep;	// Re-enable the order fields on the item subdetail so that the order
DetailBand1: TQRBand;	// information will be repeated after a page break
dsCustomer: TDataSource;	QRDBOrderNo.Enabled := true;
qryCustomer: TQuery;	QRDBSalesDate.Enabled := QRDBOrderNo.Enabled;
PageHeaderBand1: TQRBand;	end;
QRDBText1: TQRDBText;	
QRSysData1: TQRSysData;	
QRSysData2: TQRSysData;	
QRSubDetailOrders:	
TQRSubDetail;	end.
qryOrders: TQuery;	
QRDBText3: TQRDBText;	
QRDBText4: TQRDBText;	
dsOrders: TDataSource;	////////////////////////////////////
qryItems: TQuery;	{
QRSubDetailItems:	.....
TQRSubDetail;	.....
QRDBText5: TQRDBText;	:: QuickReport 3.0 for Delphi
QRDBText2: TQRDBText;	3.0/4.0/5.0 ::
QRDBText6: TQRDBText;	::
QRDBText7: TQRDBText;	::
QRDBText9: TQRDBText;	:: Master/Detail report with some extra code ::
QRGroupCust: TQRGroup;	::
QRLabel1: TQRLabel;	::
QRLabel2: TQRLabel;	::
QRShapeGray: TQRShape;	:: Copyright (c) 1995-1999 QuSoft AS ::
QRLabel3: TQRLabel;	:: All Rights Reserved
QRLabel4: TQRLabel;	::
QRLabel5: TQRLabel;	::
QRLabel6: TQRLabel;	::
QRDBOrderNo: TQRDBText;	:: web: http://www.qusoft.com fax: +47 22 41 74 91 ::
QRDBSalesDate: TQRDBText;	.....
GroupFooterBand1: TQRBand; }
<-----> procedure	unit mdrpt;
QRSubDetailOrdersBeforePrint(Sen der: TQRCustomBand;	
var PrintBand: Boolean);	
<-----> procedure	interface
QRSubDetailItemsBeforePrint(Send er: TQRCustomBand;	
var PrintBand: Boolean);	uses
<-----> procedure	Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
QRGroupCustBeforePrint(Sender: TQRCustomBand;	QuickRpt, Qrctrls, Db, DBTables,

Controls[0].Parent := Sender;
end;
<-----> procedure TfrmMasterDetail.QRGroupCustBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// We grab the detail band fields right from under it.
if Sender.ControlCount = 0 then
with DetailBand1 do
While ControlCount > 0 do
Controls[0].Parent := Sender;
end;
<-----> procedure TfrmMasterDetail.QRSubDetailOrdersBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// We are print the order information on the first item subdetail
// record. If there are no item records, then we print the subdetail
// Enable the order fields on the item subdetail band. After they are printed once, they will be disabled until the next order/item set
QRDBOrderNo.Enabled := true;
QRDBSalesDate.Enabled := QRDBOrderNo.Enabled;
// Only allow this band to print if there are no subdetails
qryItems.First;
PrintBand := qryItems.EOF;
end;
<-----> procedure TfrmMasterDetail.QRSubDetailItemsBeforePrint(Sender: TQRCustomBand; var PrintBand: Boolean);
begin

var PrintBand: Boolean);
<-----> procedure DetailBand1BeforePrint(Sender: TQRCustomBand;
var PrintBand: Boolean);
<-----> procedure QRSubDetailItemsAfterPrint(Sender: TQRCustomBand;
BandPrinted: Boolean);
<-----> procedure PageHeaderBand1BeforePrint(Sender: TQRCustomBand;
var PrintBand: Boolean);
private
{ Private declarations }
public
{ Public declarations }
end;
var
frmMasterDetail: TfrmMasterDetail;
implementation
{SR *.dfm}
<-----> procedure TfrmMasterDetail.DetailBand1BeforePrint(Sender: TQRCustomBand;
var PrintBand: Boolean);
begin
// If there are no subdetails, then we print this band. Otherwise we
// let the group header print the controls from this band. Group bands
// can be reprinted on page breaks, which detail and subdetails can't do.
qryOrders.First;
PrintBand := qryOrders.EOF;
// If it's our turn to print and the group band has our controls, then
// we take them back.
if PrintBand and (Sender.ControlCount = 0) then
with QRGroupCust do
while ControlCount > 0 do

::
:: Demo report that is populated by the OnNeedData event ::
::
::
:: Copyright (c) 1995-1999 QuSoft AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax: +47 22 41 74 91 ::
::
::::::::::::::: }
unit needdata;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
ExtCtrls, QuickRpt, QrCtrls;
type
TfrmNeedData = class(TForm)
QuickRep1: TQuickRep;
DetailBand1: TQRBand;
QRLabel1: TQRLabel;
TitleBand1: TQRBand;
QRSysData1: TQRSysData;
<-----> procedure FormCreate(Sender: TObject);
<-----> procedure QuickRep1BeforePrint(Sender: TCustomQuickRep;
var PrintReport: Boolean);
<-----> procedure QuickRep1NeedData(Sender: TObject; var MoreData: Boolean);
private
{ Private declarations }
SomeList: TStringlist;
CurrentIndex: integer;
public
{ Public declarations }
end;

// toggle the item background so that we can have alternating colors
// like the greenbar paper we all know and love.
with QRShapeGray.Brush do
if Color = \$00F0F0F0 then
Color := \$00E0E0E0
else
Color := \$00F0F0F0;
end;
<-----> procedure TfrmMasterDetail.QRSubDetailItemsAfterPrint(
Sender: TQRCustomBand;
BandPrinted: Boolean);
begin
// After we print it once, we disable the controls
QRDBOrderNo.Enabled := false;
QRDBSalesDate.Enabled := QRDBOrderNo.Enabled;
end;
<-----> procedure TfrmMasterDetail.PageHeaderBand1BeforePrint(
Sender: TQRCustomBand; var PrintBand: Boolean);
begin
// Re-enable the order fields on the item subdetail so that the order
// information will be repeated after a page break
QRDBOrderNo.Enabled := true;
QRDBSalesDate.Enabled := QRDBOrderNo.Enabled;
end;
end.
////////////////////////////////////
9
{
::
:::::::::::::::
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0 ::
::

begin
QRLabel1.Caption := SomeList[CurrentIndex];
// Here's how to set the progress bar
QuickRep1.QRPrinter.Progress := (Longint(CurrentIndex) * 100) div SomeList.Count;
end
else
QuickRep1.QRPrinter.Progress := 100;
Inc(CurrentIndex);
end;
end.
////////////////////////////////////
10
{ :. :. :.
:: QuickReport 3.0 for Delphi 3.0/4.0/5.0/6.0 ::
::
::
:: Example reports project
::
::
::
:: Copyright (c) 1995-1999 QuSoft AS ::
:: All Rights Reserved
::
::
:: web: http://www.qusoft.com fax: +47 22 41 74 91 ::
:. :. :.
unit mdmain;
interface
uses
Windows, Messages, SysUtils,

var
frmNeedData: TfrmNeedData;
implementation
{ \$R *.dfm }
<-----> procedure TfrmNeedData.FormCreate(Sender: TObject);
var
i: integer;
begin
SomeList := TStringlist.Create;
for i := 0 to 500 do
SomeList.Add('Line ' + IntToStr(i));
end;
<-----> procedure TfrmNeedData.QuickRep1BeforePri nt(Sender: TCustomQuickRep;
var PrintReport: Boolean);
begin
// You must reset your data in the BeforePrint event
// or when you print from the preview, the report will
// start with the last value(s)
CurrentIndex := 0;
end;
<-----> procedure TfrmNeedData.QuickRep1NeedData (Sender: TObject;
var MoreData: Boolean);
begin
// If MoreData is true, then QuickReport will print
// another detail band. When you set it to false,
// the report is done.
MoreData := (CurrentIndex < SomeList.Count);
if MoreData then

CreateList(Sender: TObject);
<-----> procedure
QRCompositeReport1AddReports(S
ender: TObject);
<-----> procedure
btnCRClick(Sender: TObject);
<-----> procedure
rbCreateListClick(Sender:
TObject);
<-----> procedure
rbMasterDetailClick(Sender:
TObject);
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
FormActivate(Sender: TObject);
<-----> procedure
btnPreviewClick(Sender: TObject);
<-----> procedure
rbExprMemoClick(Sender:
TObject);
<-----> procedure
rbImageClick(Sender: TObject);
<-----> procedure
rbBasicMDClick(Sender: TObject);
<-----> procedure
btnFiltersClick(Sender: TObject);
<-----> procedure
rbCompositeClick(Sender:
TObject);
<-----> procedure
rbNeedDataClick(Sender: TObject);
<-----> procedure
rbFormLetterClick(Sender:
TObject);
<-----> procedure
btnExportClick(Sender: TObject);
<-----> procedure
rbAboutClick(Sender: TObject);
<-----> procedure
rbGroupingClick(Sender: TObject);
private
{ Private declarations }
FReport : TCustomQuickRep;
CreateListReport : TQuickRep;
<-----> procedure
SetReport(Value :
TCustomQuickRep);
public

Classes, Graphics, Controls, Forms,
Dialogs,
ExtCtrls, StdCtrls, quickrpt, Db,
DBTables, printers, qrextra,
QRExport,
qrprntr;
const
Composite_Description = 'The
composite control can be used to link
several'+
' reports together as a
single report.';
type
TfrmQR3Demo = class(TForm)
QRTextFilter1: TQRTextFilter;
QRCSVFilter1: TQRCSVFilter;
QRHTMLFilter1:
TQRHTMLFilter;
QRCompositeReport1:
TQRCompositeReport;
Label1: TLabel;
VersionLbl: TLabel;
Label3: TLabel;
GroupBox1: TGroupBox;
rbCreateList: TRadioButton;
btnPreview: TButton;
btnPrint: TButton;
rbMasterDetail: TRadioButton;
Description: TMemo;
OpenDialog1: TOpenDialog;
cbPreview: TComboBox;
Label4: TLabel;
rbExprMemo: TRadioButton;
rbImage: TRadioButton;
rbBasicMD: TRadioButton;
btnFilters: TButton;
rbComposite: TRadioButton;
Label5: TLabel;
rbNeedData: TRadioButton;
rbFormLetter: TRadioButton;
btnExport: TButton;
SaveDialog1: TSaveDialog;
rbAbout: TRadioButton;
rbGrouping: TRadioButton;
Image2: TImage;
<-----> procedure

from the table }
SomeFields := TStringList.Create;
with MyTable do
begin
 DatabaseName := 'DBDEMOS';
 TableName := 'COUNTRY.DB';
 ReadOnly := True;
 Active := True;

 // For this example, we will pull
 the field names from the table
 // If you wanted to only use some
 of the fields, you would edit
 // this list.
 for nIdx := 0 to FieldCount - 1 do

 SomeFields.Add(Fields[nIdx].FieldN
 ame);
 end;

 // If you didn't create the report,
 you must set the report object to nil
 // before calling QRCreateList

 areport := nil;

{ Build the report }

 // If you change the displaywidth, it
 will be reflecte in the created
 // report

 with MyTable.Fields[1] do
 DisplayWidth := DisplayWidth
 div 2;

 // create the report
 QRCreateList(aReport, nil,
 MyTable, 'Country Listing',
 SomeFields);

 // Make the column header's font
 use bold attribute

 aReport.Bands.ColumnHeaderBand.
 Font.Style := [fsBold];

 // Now adjust the spacing of the
 fields. There isn't any reason to

{ Public declarations }
 property Report :
 TCustomQuickRep read FReport
 write SetReport;
 end;

var
 frmQR3Demo: TfrmQR3Demo;

implementation

 uses mdrpt, exprmemo, image,
 basicmd, needdata, frmltr,
 history, grouping;

{ \$R *.dfm }

<-----> procedure
 TfrmQR3Demo.SetReport(Value :
 TCustomQuickRep);
begin
 FReport := Value;
 if Value <> nil then
 if Value =
 TCustomQuickRep(QRCompositeR
 eport1) then
 Description.Lines.Text :=
 Composite_Description
 else

 Description.Lines.Assign(Report.Des
 cription);
 end;

<-----> procedure
 TfrmQR3Demo.CreateList(Sender:
 TObject);
var
 aReport : TCustomQuickRep;
 SomeFields: TStringList;
 MyTable: TTable;
 nIdx: integer;
begin
 { Create a table on the fly, this
 example uses a table from the demo
 database }
 MyTable := TTable.Create(self);

{ create the list of fields to output

end;	// do this, this is just to show how to access the controls on the
<-----> procedure TfrmQR3Demo.QRCompositeReport1AddReports(Sender: TObject);	// report.
begin	for nIdx := 0 to aReport.Bands.ColumnHeaderBand. ControlCount -1 do
// The OnAddReports event is called by the CompositeReport	if
// to add the reports to list of reports	aReport.Bands.ColumnHeaderBand. Controls[nIdx] is TQRPrintable then
with QRCompositeReport1.Reports do	with
begin	TQRPrintable(aReport.Bands.Colu mnHeaderBand.Controls[nIdx]) do
Add(frmMasterDetail.QuickRep1);	Left := Left - (5 * nIdx);
Add(frmBasicMD.QuickRep1);	
Add(frmImageRpt.QuickRep1);	for nIdx := 0 to
end;	aReport.Bands.DetailBand.ControlC ount -1 do
end;	if
<-----> procedure TfrmQR3Demo.btnCRClick(Sender : TObject);	aReport.Bands.DetailBand.Controls[nIdx] is TQRPrintable then
begin	with
QRCompositeReport1.Preview;	TQRPrintable(aReport.Bands.Detail Band.Controls[nIdx]) do
end;	Left := Left - (5 * nIdx);
<-----> procedure TfrmQR3Demo.rbCreateListClick(S ender: TObject);	{ You can change the report objects before calling the report }
begin	// areport.page.orientation := poLandscape;
Report := CreateListReport;	{preview or print the report}
end;	
<-----> procedure TfrmQR3Demo.rbMasterDetailClic k(Sender: TObject);	if sender = btnPreview then
begin	begin
Report := frmMasterDetail.QuickRep1;	case cbPreview.ItemIndex of
end;	0: areport.preview;
	1: areport.previewModal;
	2: areport.previewModeless;
	end;
	end
	else if sender = btnPrint then
	areport.print;
	{ all done, free the objects }
<-----> procedure TfrmQR3Demo.FormCreate(Sender : TObject);	aReport.Free;
var i: integer;	MyTable.Free;
begin	SomeFields.Free;
// Get the current QuickReport version number from	

QRCompositeReport1.print;
end
else
begin
if sender = btnPreview then
begin
case cbPreview.ItemIndex of
0: report.preview;
1: report.previewModal;
2: report.previewModeless;
end;
end
else if sender = btnPrint then
report.print;
end;
end;
end;
end;
<-----> procedure
TfrmQR3Demo.rbExprMemoClick(
Sender: TObject);
begin
Report :=
frmExprmemo.QuickRep1;
end;
<-----> procedure
TfrmQR3Demo.rbImageClick(Se
nder: TObject);
begin
Report :=
frmImageRpt.QuickRep1;
end;
<-----> procedure
TfrmQR3Demo.rbBasicMDClick(Se
nder: TObject);
begin
Report :=
frmBasicMD.QuickRep1;
end;
<-----> procedure
TfrmQR3Demo.btnFiltersClick(Se
nder: TObject);
begin
MessageDlg('When an export filter
control is dropped on a form, it''s
added to all of the

// the qrprntr unit
i := pos(' ', cQRName);
if i >= 0 then
VersionLbl.Caption := 'Version' +
copy(cQRName, i, 99);
// Create the report object used by
the QRCreateList() function
CreateListReport :=
TQuickRep.Create(self);
CreateListReport.Description.Text
:= 'Example of how to call the
QRCreateList function';
cbPreview.ItemIndex := 0;
end;
<-----> procedure
TfrmQR3Demo.FormActivate(Se
nder: TObject);
begin
if Description.Lines.Count = 0 then
begin
rbCreateListClick(Self);
rbCreateList.Checked := True;
end;
end;
<-----> procedure
TfrmQR3Demo.btnPreviewClick(Se
nder: TObject);
begin
// This code is more complicated
than what you would
// typically need to run a report.
Most of this code
// is to handle the selection of the
various types of
// reports.
if report <> nil then
begin
if report = CreateListReport then
CreateList(Sender)
else if report =
TCustomQuickRep(QRCompositeR
eport1) then
begin
if sender = btnPreview then
QRCompositeReport1.preview
else

ASCII: TQRAsciiExportFilter
CSV: TQRCommaSeparatedFilter
In Professional Version:
RTF: TQRRTFExportFilter
WMF: TQRWMFExportFilter
Excel: TQRXLSFilter
}
end;
end;
btnExport.Enabled := True;
end;
<-----> procedure TfrmQR3Demo.rbAboutClick(Sender: TObject);
begin
Report := frmHistory.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbGroupingClick(Sender: TObject);
begin
Report := frmGrouping.QuickRep1;
end;
end.
////////////////////////////////////

<-----> Objects83
الملف النصي لبرنامج
(Qr3)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> Object frmQR3Demo: TfrmQR3Demo
Left = 182
Top = 108
Width = 603
Height = 340
Caption = 'Quick Report 3

previews',mtInformation, [mbok], 0);
end;
<-----> procedure TfrmQR3Demo.rbCompositeClick(S ender: TObject);
begin
Report := TCustomQuickRep(QRCompositeR eport1);
end;
<-----> procedure TfrmQR3Demo.rbNeedDataClick(S ender: TObject);
begin
Report := frmNeedData.QuickRep1;
end;
<-----> procedure TfrmQR3Demo.rbFormLetterClick(Sender: TObject);
begin
Report := frmFormLetter.QuickRep1;
end;
// The following code show how to explicitly call an export
// filter without going through the preview
<-----> procedure TfrmQR3Demo.btnExportClick(Sen der: TObject);
begin
btnExport.Enabled := False;
with SaveDialog1 do
begin
if Execute then
begin
frmFormLetter.QuickRep1.ExportT oFilter(TQRCommaSeparatedFilter. Create(FileName));
{
Other filters:
HTML: TQRHTMLDocumentFilter

Width = 279
Height = 13
Caption = 'Copyright 1995 - 1999 QuSoft AS http://www.qusoft.com '
Transparent = True
end
<-----> Object Label4: TLabel
Left = 24
Top = 272
Width = 61
Height = 13
Alignment = taRightJustify
Caption = 'Preview type'
end
<-----> Object Label5: TLabel
Left = 56
Top = 50
Width = 158
Height = 13
Caption = 'Demo version 3.1.0 July 13, 1999'
Transparent = True
end
<-----> Object Image2: TImage
Left = 6
Top = 6
Width = 47
Height = 47
Picture.Data = {
Transparent = True
end
<-----> Object GroupBox1: TGroupBox
Left = 7
Top = 64
Width = 586
Height = 193
Caption = 'Select a Report'
TabOrder = 0
<-----> Object rbCreateList: TRadioButton
Left = 4
Top = 32
Width = 179
Height = 17
Caption = 'QRCreatelist() example'

Standard Demo for Delphi 6'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
Scaled = False
OnActivate = FormActivate
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> Object Label1: TLabel
Left = 56
Top = 4
Width = 174
Height = 34
Caption = 'QuickReport'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -29
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
Transparent = True
end
<-----> Object VersionLbl: TLabel
Left = 236
Top = 18
Width = 70
Height = 16
Caption = 'Version 3.0'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
Transparent = True
end
<-----> Object Label3: TLabel
Left = 56
Top = 36

Top = 49
Width = 197
Height = 17
Caption = 'Basic Master/Detail example'
TabOrder = 3
OnClick = rbBasicMDClick
end
<-----> Object rbComposite: TRadioButton
Left = 4
Top = 135
Width = 179
Height = 17
Caption = 'Composite Report'
TabOrder = 8
OnClick = rbCompositeClick
end
<-----> Object rbNeedData: TRadioButton
Left = 4
Top = 152
Width = 179
Height = 17
Caption = 'OnNeedData example'
TabOrder = 9
OnClick = rbNeedDataClick
end
<-----> Object rbFormLetter: TRadioButton
Left = 4
Top = 118
Width = 179
Height = 17
Caption = 'Form Letter example'
TabOrder = 7
OnClick = rbFormLetterClick
end
<-----> Object rbAbout: TRadioButton
Left = 4
Top = 15
Width = 179
Height = 17
Caption = 'QR3DEMO History'
TabOrder = 1
OnClick = rbAboutClick

TabOrder = 2
OnClick = rbCreateListClick
end
<-----> Object rbMasterDetail: TRadioButton
Left = 4
Top = 66
Width = 179
Height = 17
Caption = 'Master/Detail example'
TabOrder = 4
OnClick = rbMasterDetailClick
end
<-----> Object Description: TMemo
Left = 207
Top = 16
Width = 370
Height = 153
ReadOnly = True
ScrollBars = ssVertical
TabOrder = 0
end
<-----> Object rbExprMemo: TRadioButton
Left = 4
Top = 101
Width = 179
Height = 17
Caption = 'ExprMemo example'
TabOrder = 6
OnClick = rbExprMemoClick
end
<-----> Object rbImage: TRadioButton
Left = 4
Top = 83
Width = 179
Height = 17
Caption = 'List report with bitmaps'
TabOrder = 5
OnClick = rbImageClick
end
<-----> Object rbBasicMD: TRadioButton
Left = 4

Left = 392
Top = 5
Width = 113
Height = 25
Caption = 'About the filters..'
TabOrder = 4
OnClick = btnFiltersClick
end
<-----> Object btnExport: TButton
Left = 488
Top = 268
Width = 75
Height = 25
Caption = 'CSV Export'
TabOrder = 5
OnClick = btnExportClick
end
<-----> Object OpenFileDialog: TOpenDialog
DefaultExt = 'TXT'
Filter = 'Text files (*.txt)|*.TXT'
Left = 240
Top = 155
end
<-----> Object SaveDialog1: TSaveDialog
DefaultExt = 'RTF'
Filter = 'Richtext files (*.rtf)|*.rtf'
Title = 'Export RTF'
Left = 240
Top = 91
end
End
////////////////////////////////////
2
<-----> Object frmNeedData: TfrmNeedData
Left = 192
Top = 107
Width = 696
Height = 480
Caption = 'frmNeedData'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'

end
<-----> Object rbGrouping: TRadioButton
Left = 4
Top = 169
Width = 179
Height = 17
Caption = 'Grouping and subtotaling'
TabOrder = 10
OnClick = rbGroupingClick
end
end
<-----> Object btnPreview: TButton
Left = 360
Top = 268
Width = 59
Height = 25
Caption = 'Preview'
TabOrder = 1
OnClick = btnPreviewClick
end
<-----> Object btnPrint: TButton
Left = 424
Top = 268
Width = 57
Height = 25
Caption = 'Print'
TabOrder = 2
OnClick = btnPreviewClick
end
<-----> Object cbPreview: TComboBox
Left = 89
Top = 268
Width = 265
Height = 21
Style = csDropDownList
ItemHeight = 13
TabOrder = 3
Items.Strings = ('Standard modeless preview (non-threaded)' 'Modal (runs in a thread)' 'Modeless (runs in a thread)')
end
<-----> Object btnFilters: TButton

SQL.Strings = (
'select * from orders'
'where CustNo = :CustNo'
'order by CustNo, OrderNo')
Left = 48
ParamData = <
item
DataType = ftFloat
Name = 'CustNo'
ParamType = ptUnknown
Size = 8
end>
end
<-----> Object dsOrders:
TDataSource
DataSet = qryOrders
Top = 27
end
<-----> Object qryItems: TQuery
Active = True
DatabaseName = 'DBDEMOS'
DataSource = dsOrders
SQL.Strings = (
'SELECT * '
'FROM items'
'WHERE OrderNo = :OrderNo'
'ORDER BY OrderNo, ItemNo')
Left = 72
ParamData = <
item
DataType = ftFloat
Name = 'OrderNo'
ParamType = ptUnknown
Size = 8
end>
end
End
////////////////////////////////////
4
<-----> Object frmImageRpt:
TfrmImageRpt
Left = 192
Top = 107
Width = 696
Height = 480
Caption = 'frmImageRpt'

Font.Style = []
OldCreateOrder = False
Scaled = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
End
////////////////////////////////////
3
<-----> Object frmMasterDetail:
TfrmMasterDetail
Left = 153
Top = 119
Width = 799
Height = 480
Caption = 'frmMasterDetail'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Scaled = False
PixelsPerInch = 96
TextHeight = 13
<-----> Object dsCustomer:
TDataSource
DataSet = qryCustomer
end
<-----> Object qryCustomer:
TQuery
Active = True
DatabaseName = 'DBDEMOS'
SQL.Strings = (
'select * from customer'
'Where CustNo <= 1354'
'order by CustNo')
Left = 24
end
<-----> Object qryOrders: TQuery
Active = True
DatabaseName = 'DBDEMOS'
DataSource = dsCustomer

Size = 50
end
<-----> Object tbBioGraphic: TGraphicField
FieldName = 'Graphic'
BlobType = ftGraphic
end
end
End
////////////////////////////////////
5
<-----> Object frmHistory: TfrmHistory
Left = 192
Top = 107
Width = 696
Height = 480
Caption = 'frmHistory'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Scaled = False
PixelsPerInch = 96
TextHeight = 13
End
////////////////////////////////////
6
<-----> Object frmGrouping: TfrmGrouping
Left = 192
Top = 107
Width = 774
Height = 480
Caption = 'frmGrouping'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'

Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Scaled = False
PixelsPerInch = 96
TextHeight = 13
<-----> Object tbBio: TTable
Active = True
DatabaseName = 'DBDEMOS'
TableName = 'BIOLIFE.DB'
Left = 8
Top = 16
<-----> Object tbBioSpeciesNo: TFloatField
FieldName = 'Species No'
end
<-----> Object tbBioCategory: TStringField
FieldName = 'Category'
Size = 15
end
<-----> Object tbBioCommon_Name: TStringField
FieldName = 'Common_Name'
Size = 30
end
<-----> Object tbBioSpeciesName: TStringField
FieldName = 'Species Name'
Size = 40
end
<-----> Object tbBioLengthcm: TFloatField
FieldName = 'Length (cm)'
end
<-----> Object tbBioLength_In: TFloatField
FieldName = 'Length_In'
end
<-----> Object tbBioNotes: TMemoField
FieldName = 'Notes'
BlobType = ftMemo

<-----> Object DetailQry: TQuery
Active = True
DatabaseName = 'DBDEMOS'
DataSource = DataSource1
SQL.Strings = ('SELECT OrderNo, Qty, ItemNo' 'FROM ITEMS I' 'WHERE (i.OrderNo = :OrderNo)' 'ORDER BY OrderNo, ItemNo')
Left = 8
Top = 64
ParamData = < item
DataType = ftFloat
Name = 'orderno'
ParamType = ptUnknown
Size = 8
end>
<-----> Object DetailQryOrderNo: TFloatField
FieldName = 'OrderNo'
Origin = '''ITEMS.DB'.OrderNo'
end
<-----> Object DetailQryQty: TIntegerField
FieldName = 'Qty'
Origin = '''ITEMS.DB'.Qty'
end
<-----> Object DetailQryItemNo: TFloatField
FieldName = 'ItemNo'
Origin = '''ITEMS.DB'.ItemNo'
end
end
End
////////////////////////////////////
7
<-----> Object frmFormLetter: TfrmFormLetter
Left = 200
Top = 108
Width = 544
Height = 375

Font.Style = []
OldCreateOrder = False
Scaled = False
PixelsPerInch = 96
TextHeight = 13
<-----> Object MasterQry: TQuery
Active = True
DatabaseName = 'DBDEMOS'
SQL.Strings = ('select c.company, o.orderno, o.custno, o.ItemsTotal' 'from orders o join customer c on o.custno=c.custno' 'where c.company LIKE 'A%'' 'order by c.company, o.orderno')
Left = 8
<-----> Object MasterQrycompany: TStringField
FieldName = 'company'
Origin = '''CUSTOMER.DB'.Company'
Size = 30
end
<-----> Object MasterQryorderno: TFloatField
FieldName = 'orderno'
Origin = '''ORDERS.DB'.OrderNo'
end
<-----> Object MasterQrycustno: TFloatField
FieldName = 'custno'
Origin = '''ORDERS.DB'.CustNo'
end
<-----> Object MasterQryItemsTotal: TCurrencyField
FieldName = 'ItemsTotal'
Origin = '''ORDERS.DB'.ItemsTotal'
end
end
<-----> Object DataSource1: TDataSource
DataSet = MasterQry
Left = 8
Top = 32
end

end
<-----> Object
qryEmployeePhoneExt:
TStringField
FieldName = 'PhoneExt'
Origin =
'''Employee.DB'.PhoneExt'
Size = 4
end
<-----> Object
qryEmployeeHireDate:
TDateTimeField
FieldName = 'HireDate'
Origin =
'''Employee.DB'.HireDate'
end
<-----> Object
qryEmployeeSalary: TFloatField
CustomConstraint = 'X > 4499'
ConstraintErrorMessage =
'Minimum Salary is \$4,500.00'
FieldName = 'Salary'
Origin =
'''Employee.DB'.Salary'
currency = True
end
end
End
////////////////////////////////////
8
<-----> Object frmExprmemo:
TfrmExprmemo
Left = 192
Top = 107
Width = 696
Height = 480
Caption = 'frmExprmemo'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Scaled = False
PixelsPerInch = 96
TextHeight = 13

Caption = 'frmFormLetter'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Scaled = False
PixelsPerInch = 96
TextHeight = 13
<-----> Object qryEmployee:
TQuery
Active = True
DatabaseName = 'DBDEMOS'
SQL.Strings = (
'SELECT *'
'FROM Employee'
'WHERE HireDate <
''01/01/1990''')
Left = 8
Top = 8
<-----> Object
qryEmployeeEmpNo: TIntegerField
CustomConstraint = 'Value > 0'
ConstraintErrorMessage =
'EmpNo cannot be 0 or negative'
FieldName = 'EmpNo'
Origin =
'''Employee.DB'.EmpNo'
DisplayFormat = 'Emp'##' 0000'
MaxValue = 9999
MinValue = 1
end
<-----> Object
qryEmployeeLastName:
TStringField
FieldName = 'LastName'
Origin =
'''Employee.DB'.LastName'
end
<-----> Object
qryEmployeeFirstName:
TStringField
FieldName = 'FirstName'
Origin =
'''Employee.DB'.FirstName'
Size = 15

FieldName = 'Country'
end
<-----> Object tbCustomerPhone:
TStringField
FieldName = 'Phone'
Size = 15
end
<-----> Object tbCustomerFAX:
TStringField
FieldName = 'FAX'
Size = 15
end
<-----> Object
tbCustomerTaxRate: TFloatField
FieldName = 'TaxRate'
DisplayFormat = '0.00%'
end
<-----> Object
tbCustomerContact: TStringField
FieldName = 'Contact'
end
<-----> Object
tbCustomerLastInvoiceDate:
TDateTimeField
FieldName = 'LastInvoiceDate'
end
end
End
////////////////////////////////////
9
<-----> Object frmBasicMD:
TfrmBasicMD
Left = 192
Top = 107
Width = 696
Height = 480
Caption = 'frmBasicMD'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Scaled = False

<-----> Object tbCustomer:
TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexFieldNames = 'CustNo'
TableName = 'CUSTOMER.DB'
Left = 32
Top = 24
<-----> Object
tbCustomerCustNo: TFloatField
Alignment = taLeftJustify
FieldName = 'CustNo'
DisplayFormat = 'CN 0000'
MaxValue =
9999.000000000000000000000000
MinValue =
1000.000000000000000000000000
end
<-----> Object
tbCustomerCompany: TStringField
FieldName = 'Company'
Size = 30
end
<-----> Object tbCustomerAddr1:
TStringField
FieldName = 'Addr1'
Size = 30
end
<-----> Object tbCustomerAddr2:
TStringField
FieldName = 'Addr2'
Size = 30
end
<-----> Object tbCustomerCity:
TStringField
FieldName = 'City'
Size = 15
end
<-----> Object tbCustomerState:
TStringField
FieldName = 'State'
end
<-----> Object tbCustomerZip:
TStringField
FieldName = 'Zip'
Size = 10
end
<-----> Object
tbCustomerCountry: TStringField

PixelsPerInch = 96
TextHeight = 13
<-----> Object dsCustomer:
TDataSource
DataSet = tbCustomer
Left = 24
end
<-----> Object tbCustomer:
TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexFieldNames = 'Company'
TableName = 'CUSTOMER.DB'
Left = 24
Top = 32
end
<-----> Object qryOrders: TQuery
Active = True
DatabaseName = 'DBDEMOS'
DataSource = dsCustomer
SQL.Strings = (
'select * from orders '
'WHERE (CustNo = :CustNo)'
'order by custno, Terms)'
Left = 24
Top = 56
ParamData = <
item
DataType = ftFloat
Name = 'CustNo'
ParamType = ptUnknown
Size = 8
end>
end
End
//////////
10

{ Public declarations }
end;
var
Form1: TForm1;
implementation
{SR *.DFM}
<-----> procedure TForm1.BSMorphButton1Click(Sender: TObject);
begin
ShowMessage (' +(Sender as TBSMorphButton).Hint +');
end;
<-----> procedure TForm1.BSMorphButton5Click(Sender: TObject);
begin
Close;
end;
end.

<-----> ObjectS5
الملف النصي لبرنامج
(BS Morph Button)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> Object Form1: TForm1
Left = 158
Top = 159
BorderStyle = bsToolWindow
Caption = 'BSMorphButton DEMO'
ClientHeight = 129
ClientWidth = 520

القسم الثالث

برامج متنوعة في دلفي

Procedures 4
الملف التنفيذي لبرنامج
(BS Morph Button)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit Unit1;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, BSMorphButton, StdCtrls;
type
TForm1 = class(TForm)
BSMorphButton1: TBSMorphButton;
Label1: TLabel;
BSMorphButton2: TBSMorphButton;
Label2: TLabel;
BSMorphButton3: TBSMorphButton;
Label3: TLabel;
Label4: TLabel;
BSMorphButton4: TBSMorphButton;
BSMorphButton5: TBSMorphButton;
<-----> procedure BSMorphButton1Click(Sender: TObject);
<-----> procedure BSMorphButton5Click(Sender: TObject);
private
{ Private declarations }
public

Width = 120
Height = 13
Alignment = taCenter
AutoSize = False
Caption = 'L I G H T S'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWhite
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Transparent = True
end
<-----> Object Label4: TLabel
Left = 392
Top = 9
Width = 120
Height = 13
Alignment = taCenter
AutoSize = False
Caption = 'M O V E'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWhite
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Transparent = True
end
End

Color = clBlack
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> Object Label1: TLabel
Left = 8
Top = 9
Width = 120
Height = 13
Alignment = taCenter
AutoSize = False
Caption = 'S H A D O W'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWhite
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Transparent = True
end
<-----> Object Label2: TLabel
Left = 136
Top = 9
Width = 120
Height = 13
Alignment = taCenter
AutoSize = False
Caption = 'C O L O R S'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWhite
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Transparent = True
end
<-----> Object Label3: TLabel
Left = 264
Top = 9

Label5: TLabel;
Label4: TLabel;
Label3: TLabel;
cmbxMode: TComboBox;
Button1: TButton;
Bevel3: TBevel;
chkbxAbortKey: TCheckBox;
chkbxAbortProblem: TCheckBox;
chkbxTrans: TCheckBox;
Label1: TLabel;
Label2: TLabel;
Label10: TLabel;
Label9: TLabel;
Label12: TLabel;
edtChangedTable: TEdit;
Label13: TLabel;
edtKeyVioTbl: TEdit;
Label14: TLabel;
edtProbTbl: TEdit;
Label11: TLabel;
edtRecCount: TEdit;
<----->procedure FormCreate(Sender: TObject);
<----->procedure cmbxSourceAliasChange(Sender: TObject);
<----->procedure cmbxDestAliasChange(Sender: TObject);
<----->procedure cmbxSourceTableChange(Sender: TObject);
<----->procedure cmbxDestTableChange(Sender: TObject);
<----->procedure cmbxSourceIndexChange(Sender: TObject);
<----->procedure cmbxDestIndexChange(Sender: TObject);
<----->procedure Button1Click(Sender: TObject);
<----->procedure chkbxAbortKeyClick(Sender: TObject);
<----->procedure chkbxAbortProblemClick(Sender: TObject);

الملف التنفيذي لبرنامج
(BatchMv)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
Procedures 28
unit Batmove;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
StdCtrls, ExtCtrls, Db, DBTables,
ComCtrls;
type
TForm1 = class(TForm)
BatchMove1: TBatchMove;
tblSource: TTable;
tblDest: TTable;
Bevel1: TBevel ;
Label6: TLabel;
cmbxDestAlias: TComboBox;
Label7: TLabel;
cmbxDestTable: TComboBox;
Label8: TLabel;
cmbxDestIndex: TComboBox;
Bevel2: TBevel;
cmbxSourceAlias: TComboBox;
cmbxSourceTable: TComboBox;
cmbxSourceIndex: TComboBox;

Session.GetTableNames(tblSource.DatabaseName,"true,false,cmbxSourceTable.Items);
end
else
begin
tblSource.DatabaseName := '';
cmbxSourceTable.Items.Clear;
end;
end;
<----->procedure
TForm1.cmbxDestAliasChange(Sender: TObject);
begin
if cmbxDestAlias.ItemIndex <> -1
then
begin
tblDest.DatabaseName :=
cmbxDestAlias.Items[cmbxDestAlias
.ItemIndex];
Session.GetTableNames(tblDest.DatabaseName,"true,false,cmbxDestTable.Items);
end
else
begin
tblDest.DatabaseName := '';
cmbxDestTable.Items.Clear;
end;
end;
<----->procedure
TForm1.cmbxSourceTableChange(Sender: TObject);
begin
if cmbxSourceTable.ItemIndex <> -1
then
begin
tblSource.TableName :=
cmbxSourceTable.Items[cmbxSourceTable.ItemIndex];
tblSource.GetIndexNames(cmbxSourceIndex.Items);
end
else

<----->procedure
chkbxTransClick(Sender: TObject);
<----->procedure
cmbxModeChange(Sender: TObject);
<----->procedure
edtRecCountKeyPress(Sender: TObject; var Key: Char);
<----->procedure
FormShow(Sender: TObject);
private
{ Private declarations }
function IsStringsEqual(const s1,s2 : string): boolean;
// simple utility function
public
{ Public declarations }
end;
var
Form1: TForm1;
implementation
{ \$R *.DFM }
<----->procedure
TForm1.FormCreate(Sender: TObject); // Get alias names
begin
if Session.Active = false then
Session.Open;
Session.GetAliasNames(CmbxSourceAlias.Items);
cmbxDestAlias.Items :=
cmbxSourceAlias.Items;
end;
<----->procedure
TForm1.cmbxSourceAliasChange(Sender: TObject);
begin
if cmbxSourceAlias.ItemIndex <> -1
then
begin
tblSource.DatabaseName :=
cmbxSourceAlias.Items[cmbxSourceAlias.ItemIndex];

```

if cmbxDestIndex.ItemIndex <> -1
then
begin
tblDest.IndexName :=
cmbxDestIndex.Items[cmbxDestIndex.ItemIndex];
end
else
begin
tblDest.IndexName := "";
end;
end;

<----->procedure
 TForm1.Button1Click(Sender:
 TObject);
begin
if tblDest.TableName = "" then
tblDest.TableName :=
cmbxDestTable.Text;
if ((tblSource.DatabaseName <> "")
and // test for enough input
(tblSource.TableName <> "") and
(tblDest.DatabaseName <> "") and
(tblDest.TableName <> "") and
(cmbxMode.items[cmbxMode.ItemIndex] <> "")) then
begin
BatchMove1.ChangedTableName
:= edtChangedTable.Text; // more
batchmove setup
BatchMove1.KeyViolTableName
:= edtKeyVioTbl.Text;
BatchMove1.ProblemTableName
:= edtProbTbl.Text;
BatchMove1.RecordCount :=
StrToInt(edtRecCount.Text);
end
else
begin
MessageDlg('Incomplete
input.',mtError,[mbOK],0);
exit;
end;
BatchMove1.Execute; // run the
batchmove
MessageDlg('BatchMove complete.

```

```

begin
tblSource.TableName := "";
cmbxSourceIndex.Items.Clear;
end;
end;

<----->procedure
 TForm1.cmbxDestTableChange(Sen
der: TObject);
begin
if cmbxDestTable.ItemIndex <> -1
then
begin
tblDest.TableName :=
cmbxDestTable.Items[cmbxDestTab
le.ItemIndex];
tblDest.GetIndexNames(cmbxDestIn
dex.Items);
end
else
begin
tblDest.TableName := "";
cmbxDestIndex.Items.Clear;
end;
end;

<----->procedure
 TForm1.cmbxSourceIndexChange(S
ender: TObject);
begin
if cmbxSourceIndex.ItemIndex <> -
1 then
begin
tblSource.IndexName :=
cmbxSourceIndex.Items[cmbxSourc
eIndex.ItemIndex];
end
else
begin
tblSource.IndexName := "";
end;
end;

<----->procedure
 TForm1.cmbxDestIndexChange(Sen
der: TObject);
begin

```

```

else if
IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex], 'Copy') then
  BatchMove1.Mode := batCopy
else if
IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex], 'Append Update') then
  BatchMove1.Mode := batAppendUpdate
else if
IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex], 'Delete') then
  BatchMove1.Mode := batDelete
else if
IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex], 'Update') then
  BatchMove1.Mode := batUpdate
else
  MessageDlg('Batch mode not found', mtError, [mbOK], 0);
end;
end;

// only allow numbers to be typed in
<----->procedure
TForm1.edtRecCountKeyPress(Sender: TObject; var Key: Char);
begin
  if ((key in ['0'..'9'] = false) and (word(key) <> VK_BACK)) then
    key := #0;
  end;
end;

<----->procedure
TForm1.FormShow(Sender: TObject);
begin
  cmbxSourceAlias.SetFocus;
end;

end.

```

```

Number of records applied:
'+IntToStr(BatchMove1.MovedCount), mtInformation, [mbOK], 0);
end;

<----->procedure
TForm1.chkAbortKeyClick(Sender: TObject);
begin
  BatchMove1.AbortOnKeyViol := chkAbortKey.Checked;
end;

<----->procedure
TForm1.chkAbortProblemClick(Sender: TObject);
begin
  BatchMove1.AbortOnProblem := chkAbortProblem.Checked;
end;

<----->procedure
TForm1.chkTransClick(Sender: TObject);
begin
  BatchMove1.Transliterate := chkTrans.Checked;
end;

function
TForm1.IsStringsEqual(const s1, s2 : string): boolean;
begin
  Result := UpperCase(s1) = UpperCase(s2);
end;

// set the batch mode
<----->procedure
TForm1.cmbxModeChange(Sender: TObject);
begin
  if cmbxMode.ItemIndex <> -1 then
    begin
      if
IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex], 'Append') then
        BatchMove1.Mode := batAppend

```

<----->object Label6: TLabel
Left = 344
Top = 48
Width = 25
Height = 13
Caption = 'Alias:'
end
<----->object Label7: TLabel
Left = 324
Top = 88
Width = 61
Height = 13
Caption = 'Table Name:'
end
<----->object Label8: TLabel
Left = 348
Top = 128
Width = 29
Height = 13
Caption = 'Index:'
end
<----->object Bevel2: TBevel
Left = 16
Top = 8
Width = 265
Height = 169
Shape = bsFrame
Style = bsRaised
end
<----->object Label5: TLabel
Left = 48
Top = 128
Width = 29
Height = 13
Caption = 'Index:'
end
<----->object Label4: TLabel
Left = 24
Top = 88
Width = 61
Height = 13
Caption = 'Table Name:'
end
<----->object Label3: TLabel
Left = 48
Top = 48
Width = 25
Height = 13

Objects36
Object\$
الملف النصي لبرنامج
(BatchMv)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<----->object Form1: TForm1
Left = 173
Top = 120
Width = 766
Height = 584
Caption = 'TBatchMove Example'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Position = poDesktopCenter
OnCreate = FormCreate
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<----->object Bevel1: TBevel
Left = 312
Top = 8
Width = 265
Height = 169
Shape = bsFrame
Style = bsRaised
end

Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<----->object Label9: TLabel
Left = 28
Top = 336
Width = 61
Height = 13
Caption = 'Batch Mode:'
end
<----->object Label12: TLabel
Left = 288
Top = 232
Width = 110
Height = 13
Caption = 'Changed Table Name:'
end
<----->object Label13: TLabel
Left = 272
Top = 272
Width = 128
Height = 13
Caption = 'Key Violation Table Name: '
end
<----->object Label14: TLabel
Left = 296
Top = 312
Width = 105
Height = 13
Caption = 'Problem Table Name: '
end
<----->object Label11: TLabel
Left = 256
Top = 352
Width = 145
Height = 13
Caption = 'Record Count (Leave 0 for all):'
end
<----->object cmbxDestAlias: TComboBox
Left = 400
Top = 48
Width = 145

Caption = 'Alias:'
end
<----->object Bevel3: TBevel
Left = 16
Top = 192
Width = 561
Height = 201
Shape = bsFrame
Style = bsRaised
end
<----->object Label1: TLabel
Left = 104
Top = 16
Width = 77
Height = 13
Caption = 'Source Table'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<----->object Label2: TLabel
Left = 400
Top = 16
Width = 101
Height = 13
Caption = 'Destination Table'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<----->object Label10: TLabel
Left = 224
Top = 200
Width = 131
Height = 13
Caption = 'Options/Error Handling'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText

Left = 96
Top = 88
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 4
OnChange = cmbxSourceTableChange
end
<----->object cmbxSourceIndex: TComboBox
Left = 96
Top = 128
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 5
OnChange = cmbxSourceIndexChange
end
<----->object cmbxMode: TComboBox
Left = 96
Top = 336
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 6
OnChange = cmbxModeChange
Items.Strings = ('Append' 'Append Update' 'Copy' 'Delete' 'Update')
end
<----->object Button1: TButton
Left = 230
Top = 404
Width = 131
Height = 25
Caption = 'Execute BatchMove'

Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 0
OnChange = cmbxDestAliasChange
end
<----->object cmbxDestTable: TComboBox
Left = 400
Top = 88
Width = 145
Height = 21
ItemHeight = 13
Sorted = True
TabOrder = 1
OnChange = cmbxDestTableChange
end
<----->object cmbxDestIndex: TComboBox
Left = 400
Top = 128
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 2
OnChange = cmbxDestIndexChange
end
<----->object cmbxSourceAlias: TComboBox
Left = 96
Top = 48
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 3
OnChange = cmbxSourceAliasChange
end
<----->object cmbxSourceTable: TComboBox

TabOrder = 11
end
<----->object edtKeyVioTbl:
TEdit
Left = 416
Top = 272
Width = 121
Height = 21
TabOrder = 12
end
<----->object edtProbTbl: TEdit
Left = 416
Top = 312
Width = 121
Height = 21
TabOrder = 13
end
<----->object edtRecCount: TEdit
Left = 416
Top = 352
Width = 121
Height = 21
TabOrder = 14
Text = '0'
OnKeyPress =
edtRecCountKeyPress
end
<----->object BatchMove1:
TBatchMove
Destination = tblDest
Source = tblSource
Transliterate = False
Left = 280
Top = 88
end
<----->object tblSource: TTable
Left = 280
Top = 24
end
<----->object tblDest: TTable
Left = 280
Top = 144
end
End

TabOrder = 7
OnClick = Button1Click
end
<----->object chkboxAbortKey:
TCheckBox
Left = 32
Top = 232
Width = 193
Height = 17
Caption = 'Abort on key violation'
Checked = True
State = cbChecked
TabOrder = 8
OnClick = chkboxAbortKeyClick
end
<----->object
chkboxAbortProblem: TCheckBox
Left = 32
Top = 264
Width = 193
Height = 17
Caption = 'Abort on problem
(data is truncated)'
Checked = True
State = cbChecked
TabOrder = 9
OnClick =
chkboxAbortProblemClick
end
<----->object chkboxTrans:
TCheckBox
Left = 32
Top = 296
Width = 193
Height = 17
Caption = 'Transliterate
Characters'
Checked = True
State = cbChecked
TabOrder = 10
OnClick = chkboxTransClick
end
<----->object edtChangedTable:
TEdit
Left = 416
Top = 232
Width = 121
Height = 21

end
object Label7: TLabel
Left = 324
Top = 88
Width = 61
Height = 13
Caption = 'Table Name:'
end
object Label8: TLabel
Left = 348
Top = 128
Width = 29
Height = 13
Caption = 'Index:'
end
object Bevel2: TBevel
Left = 16
Top = 8
Width = 265
Height = 169
Shape = bsFrame
Style = bsRaised
end
object Label5: TLabel
Left = 48
Top = 128
Width = 29
Height = 13
Caption = 'Index:'
end
object Label4: TLabel
Left = 24
Top = 88
Width = 61
Height = 13
Caption = 'Table Name:'
end
object Label3: TLabel
Left = 48
Top = 48
Width = 25
Height = 13
Caption = 'Alias:'
end
object Bevel3: TBevel
Left = 16
Top = 192
Width = 561

ObjectS
الملف النصي لبرنامج
(BatchMv2)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١
object FormMain: TFormMain
Left = 156
Top = 110
Width = 766
Height = 584
Caption = 'TBatchMove Example'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Position = poDesktopCenter
OnCreate = FormCreate
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
object Bevel1: TBevel
Left = 312
Top = 8
Width = 265
Height = 169
Shape = bsFrame
Style = bsRaised
end
object Label6: TLabel
Left = 344
Top = 48
Width = 25
Height = 13
Caption = 'Alias:'

Left = 28
Top = 336
Width = 61
Height = 13
Caption = 'Batch Mode:'
end
object Label12: TLabel
Left = 288
Top = 232
Width = 110
Height = 13
Caption = 'Changed Table Name:'
end
object Label13: TLabel
Left = 272
Top = 272
Width = 128
Height = 13
Caption = 'Key Violation Table Name:'
end
object Label14: TLabel
Left = 296
Top = 312
Width = 105
Height = 13
Caption = 'Problem Table Name:'
end
object Label11: TLabel
Left = 256
Top = 352
Width = 145
Height = 13
Caption = 'Record Count (Leave 0 for all):'
end
object cmbxDestAlias: TComboBox
Left = 400
Top = 48
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 0
OnChange = cmbxDestAliasChange

Height = 201
Shape = bsFrame
Style = bsRaised
end
object Label1: TLabel
Left = 104
Top = 16
Width = 77
Height = 13
Caption = 'Source Table'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object Label2: TLabel
Left = 400
Top = 16
Width = 101
Height = 13
Caption = 'Destination Table'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object Label10: TLabel
Left = 224
Top = 200
Width = 131
Height = 13
Caption = 'Options/Error Handling'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object Label9: TLabel

TabOrder = 4
OnChange = cmbxSourceTableChange
end
object cmbxSourceIndex: TComboBox
Left = 96
Top = 128
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 5
OnChange = cmbxSourceIndexChange
end
object cmbxMode: TComboBox
Left = 96
Top = 336
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 6
OnChange = cmbxModeChange
Items.Strings = (
'Append'
'Append Update'
'Copy'
'Delete'
'Update')
end
object Button1: TButton
Left = 230
Top = 404
Width = 131
Height = 25
Caption = 'Execute BatchMove'
TabOrder = 7
OnClick = Button1Click
end
object chkbxAbortKey: TCheckBox
Left = 32
Top = 232
Width = 193

end
object cmbxDestTable: TComboBox
Left = 400
Top = 88
Width = 145
Height = 21
ItemHeight = 13
Sorted = True
TabOrder = 1
OnChange = cmbxDestTableChange
end
object cmbxDestIndex: TComboBox
Left = 400
Top = 128
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 2
OnChange = cmbxDestIndexChange
end
object cmbxSourceAlias: TComboBox
Left = 96
Top = 48
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True
TabOrder = 3
OnChange = cmbxSourceAliasChange
end
object cmbxSourceTable: TComboBox
Left = 96
Top = 88
Width = 145
Height = 21
Style = csDropDownList
ItemHeight = 13
Sorted = True

Left = 416
Top = 312
Width = 121
Height = 24
TabOrder = 13
end
object edtRecCount: TEdit
Left = 416
Top = 352
Width = 121
Height = 24
TabOrder = 14
Text = '0'
OnKeyPress = edtRecCountKeyPress
end
object BatchMove1: TBatchMove
Destination = tblDest
Source = tblSource
Transliterate = False
Left = 280
Top = 88
end
object tblSource: TTable
Left = 280
Top = 24
end
object tblDest: TTable
Left = 280
Top = 144
end
End

ObjectS
الملف التنفيذي
لبرنامج
(BatchMv2)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit Main;

Height = 17
Caption = 'Abort on key violation'
Checked = True
State = cbChecked
TabOrder = 8
OnClick = chkboxAbortKeyClick
end
object chkboxAbortProblem: TCheckBox
Left = 32
Top = 264
Width = 193
Height = 17
Caption = 'Abort on problem (data is truncated)'
Checked = True
State = cbChecked
TabOrder = 9
OnClick = chkboxAbortProblemClick
end
object chkboxTrans: TCheckBox
Left = 32
Top = 296
Width = 193
Height = 17
Caption = 'Transliterate Characters'
Checked = True
State = cbChecked
TabOrder = 10
OnClick = chkboxTransClick
end
object edtChangedTable: TEdit
Left = 416
Top = 232
Width = 121
Height = 24
TabOrder = 11
end
object edtKeyVioTbl: TEdit
Left = 416
Top = 272
Width = 121
Height = 24
TabOrder = 12
end
object edtProbTbl: TEdit

procedure cmbxSourceAliasChange(Sender: TObject);
procedure cmbxDestAliasChange(Sender: TObject);
procedure cmbxSourceTableChange(Sender: TObject);
procedure cmbxDestTableChange(Sender: TObject);
procedure cmbxSourceIndexChange(Sender: TObject);
procedure cmbxDestIndexChange(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure chkbxAbortKeyClick(Sender: TObject);
procedure chkbxAbortProblemClick(Sender: TObject);
procedure chkbxTransClick(Sender: TObject);
procedure cmbxModeChange(Sender: TObject);
procedure edtRecCountKeyPress(Sender: TObject; var Key: Char);
procedure FormShow(Sender: TObject);
private { Private declarations }
function IsStringsEqual(const s1,s2 : string): boolean;
public { Public declarations }
end;
var FormMain: TFormMain;
implementation

interface
uses Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, ExtCtrls, Db, DBTables, ComCtrls;
type TFormMain = class(TForm) BatchMove1: TBatchMove; tblSource: TTable; tblDest: TTable; Bevel1: TBevel ; Label6: TLabel; cmbxDestAlias: TComboBox; Label7: TLabel; cmbxDestTable: TComboBox; Label8: TLabel; cmbxDestIndex: TComboBox; Bevel2: TBevel; cmbxSourceAlias: TComboBox; cmbxSourceTable: TComboBox; cmbxSourceIndex: TComboBox; Label5: TLabel; Label4: TLabel; Label3: TLabel; cmbxMode: TComboBox; Button1: TButton; Bevel3: TBevel; chkbxAbortKey: TCheckBox; chkbxAbortProblem: TCheckBox; chkbxTrans: TCheckBox; Label1: TLabel; Label2: TLabel; Label10: TLabel; Label9: TLabel; Label12: TLabel; edtChangedTable: TEdit; Label13: TLabel; edtKeyVioTbl: TEdit; Label14: TLabel; edtProbTbl: TEdit; Label11: TLabel; edtRecCount: TEdit; procedure FormCreate(Sender: TObject);

begin
tblDest.DatabaseName := cmbxDestAlias.Items[cmbxDestAlias .ItemIndex];
Session.GetTableNames(tblDest.Dat abaseName,',true,false,cmbxDestTa ble.Items);
end
else
begin
tblDest.DatabaseName := '';
cmbxDestTable.Items.Clear;
end;
end;
procedure TFormMain.cmbxSourceTableChan ge(Sender: TObject);
begin
if cmbxSourceTable.ItemIndex <> - 1 then
begin
tblSource.TableName := cmbxSourceTable.Items[cmbxSourc eTable.ItemIndex];
tblSource.GetIndexNames(cmbxSou rceIndex.Items);
end
else
begin
tblSource.TableName := '';
cmbxSourceIndex.Items.Clear;
end;
end;
procedure TFormMain.cmbxDestTableChange (Sender: TObject);
begin
if cmbxDestTable.ItemIndex <> -1 then
begin
tblDest.TableName := cmbxDestTable.Items[cmbxDestTab le.ItemIndex];

{SR *.DFM}
resourcestring
sIncomplete = 'Incomplete input.';
sCompleted = 'BatchMove complete. Number of records applied: ';
procedure TFormMain.FormCreate(Sender: TObject); // Get alias names
begin
if Session.Active = false then
Session.Open;
Session.GetAliasNames(CmbxSourc eAlias.Items);
cmbxDestAlias.Items := cmbxSourceAlias.Items;
end;
procedure TFormMain.cmbxSourceAliasChan ge(Sender: TObject);
begin
if cmbxSourceAlias.ItemIndex <> - 1 then
begin
tblSource.DatabaseName := cmbxSourceAlias.Items[cmbxSource Alias.ItemIndex];
Session.GetTableNames(tblSource.D atabaseName,',true,false,cmbxSour ceTable.Items);
end
else
begin
tblSource.DatabaseName := '';
cmbxSourceTable.Items.Clear;
end;
end;
procedure TFormMain.cmbxDestAliasChange(Sender: TObject);
begin
if cmbxDestAlias.ItemIndex <> -1 then

if tblDest.TableName = " then
tblDest.TableName := cmbxDestTable.Text;
if ((tblSource.DatabaseName <> " and // test for enough input
(tblSource.TableName <> " (tblDest.DatabaseName <> " (tblDest.TableName <> ") and
(cmbxMode.items[cmbxMode.ItemI ndex] <> ")) then
begin
BatchMove1.ChangedTableName := edtChangedTable.Text; // more batchmove setup
BatchMove1.KeyViolTableName := edtKeyVioTbl.Text;
BatchMove1.ProblemTableName := edtProbTbl.Text;
BatchMove1.RecordCount := StrToInt(edtRecCount.Text);
end
else
begin
MessageDlg(sIncomplete, mtError, [mbOK], 0);
exit ;
end ;
BatchMove1.Execute; // run the batchmove
MessageDlg(sCompleted + IntToStr(BatchMove1.MovedCount) ,mtInformation,[mbOK],0);
end ;
procedure TFormMain.chkAbortKeyClick(S ender: TObject);
begin
BatchMove1.AbortOnKeyViol := chkAbortKey.Checked;
end ;
procedure TFormMain.chkAbortProblemCli ck(Sender: TObject);
begin
BatchMove1.AbortOnProblem := chkAbortProblem.Checked;

tblDest.GetIndexNames(cmbxDestIn dex.Items);
end
else
begin
tblDest.TableName := " cmbxDestIndex.Items.Clear;
end ;
end ;
procedure TFormMain.cmbxSourceIndexChan ge(Sender: TObject);
begin
if cmbxSourceIndex.ItemIndex <> - 1 then
begin
tblSource.IndexName := cmbxSourceIndex.Items[cmbxSourc eIndex.ItemIndex];
end
else
begin
tblSource.IndexName := " end ;
end ;
procedure TFormMain.cmbxDestIndexChange (Sender: TObject);
begin
if cmbxDestIndex.ItemIndex <> -1 then
begin
tblDest.IndexName := cmbxDestIndex.Items[cmbxDestInde x.ItemIndex];
end
else
begin
tblDest.IndexName := " end ;
end ;
end ;
procedure TFormMain.Button1Click(Sender: TObject);
begin

```

MessageDlg('Batch mode not
found',mtError,[mbOK],0);
end;
end;

// only allow numbers to be typed in
procedure
 TFormMain.edtRecCountKeyPress(
 Sender: TObject; var Key: Char);
begin
 if ((key in ['0'..'9'] = false) and
 (word(key) <> VK_BACK)) then
 key := #0;
end;

procedure
 TFormMain.FormShow(Sender:
 TObject);
begin
 cmbxSourceAlias.SetFocus;
end;

end.

```

```

end;

procedure
 TFormMain.chkboxTransClick(Sender:
 TObject);
begin
 BatchMove1.Transliterate :=
 chkboxTrans.Checked;
end;

function
 TFormMain.IsStringsEqual(const
 s1,s2 : string): boolean;
begin
 Result := UpperCase(s1) =
 UpperCase(s2);
end;

// set the batch mode
procedure
 TFormMain.cmbxModeChange(Sender:
 TObject);
begin
 if cmbxMode.ItemIndex <> -1 then
 begin
 if
 IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex],
 'Append') then
 BatchMove1.Mode := batAppend
 else if
 IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex],
 'Copy') then
 BatchMove1.Mode := batCopy
 else if
 IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex],
 'Append
Update') then
 BatchMove1.Mode :=
 batAppendUpdate
 else if
 IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex],
 'Delete') then
 BatchMove1.Mode := batDelete
 else if
 IsStringsEqual(cmbxMode.Items[cmbxMode.ItemIndex],
 'Update') then
 BatchMove1.Mode := batUpdate
 else

```



```
// the scrolling behavior. no attempt
is made to verify that the parameters
// supplied by the user make any
sense.
//
unit scroldem;

interface
uses
  Windows, Messages, SysUtils,
  Classes, Graphics, Controls, Forms,
  Dialogs,
  Menus, StdCtrls, ComCtrls,
  ExtCtrls;

type
  TScrollForm1 = class(TForm)
    Bevel1: TBevel;
    Label3: TLabel;
    Label4: TLabel;
    Label5: TLabel;
    Label1: TLabel;
    Vertical: TLabel;
    ImgPanel: TPanel;
    Image: TImage;
    HScrollbar: TScrollBar;
    VScrollbar: TScrollBar;
    HUnits: TEdit;
    HPage: TEdit;
    HMax: TEdit;
    VUnits: TEdit;
    VPage: TEdit;
    VMax: TEdit;
    HUnitsUpDown: TUpDown;
    HPageUpDown: TUpDown;
    HMaxUpDown: TUpDown;
    VUnitsUpDown: TUpDown;
    VMaxUpDown: TUpDown;
    VPageUpDown: TUpDown;
    DefaultBtn: TButton;
    ApplyBtn: TButton;
    MainMenu1: TMainMenu;
    File1: TMenuItem;
    Open1: TMenuItem;
    N1: TMenuItem;
    Exit1: TMenuItem;
    View1: TMenuItem;
```

ObjectS
الملف التنفيذي لبرنامج
(Scroll bar)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
الملف التنفيذي للبرنامج
program scroll;
وفيه
Procedures 38
program scroll;
uses
Forms,
scroldem in 'scroldem.pas'
{ScrollForm1},
about in 'about.pas' {AboutBox};
{SR *.RES}
begin
Application.Initialize;
Application.CreateForm(TScrollForm1, ScrollForm1);
Application.Run;
end.
//
// this example demonstrates the use of TScrollBar, including how to
// properly set scrolling ranges and how to respond to the scroll bar
// notification events. in addition, an interface is provided to the
// user to adjust the values to see how the different parameters affect

<-----> procedure UpdateDisplay;
property Dirty: Boolean read FDirty write SetDirty;
public
//constructor Create(Owner: TComponent); override;
{ Public declarations }
end;
var
ScrollForm1: TScrollForm1;
implementation
uses about;
{SR *.DFM}
const
DEF SCROLL_UNITS = 8;
<-----> procedure TScrollForm1.FormCreate(Sender: TObject);
begin
ScrollReset;
end;
<-----> procedure TScrollForm1.Exit1Click(Sender: TObject);
begin
Close;
end;
<-----> procedure TScrollForm1.View1Click(Sender: TObject);
begin
HScrollMenu.Checked := HScrollb.Visible;
VScrollMenu.Checked := VScrollb.Visible;
end;
<-----> procedure

VScrollMenu: TMenuItem;
HScrollMenu: TMenuItem;
Help1: TMenuItem;
About1: TMenuItem;
OpenDialog: TOpenDialog;
<-----> procedure FormCreate(Sender: TObject);
<-----> procedure Exit1Click(Sender: TObject);
<-----> procedure View1Click(Sender: TObject);
<-----> procedure VScrollMenuClick(Sender: TObject);
<-----> procedure HScrollMenuClick(Sender: TObject);
<-----> procedure Open1Click(Sender: TObject);
<-----> procedure VScrollbChange(Sender: TObject);
<-----> procedure HScrollbScroll(Sender: TObject; ScrollCode: TScrollCode; var ScrollPos: Integer);
<-----> procedure ImgPanelResize(Sender: TObject);
<-----> procedure About1Click(Sender: TObject);
<-----> procedure ApplyBtnClick(Sender: TObject);
<-----> procedure DefaultBtnClick(Sender: TObject);
<-----> procedure UpDownClick(Sender: TObject; Button: TUDBtnType);
private
{ Private declarations }
Units: TPoint;
FDirty: Boolean;
<-----> procedure SetDirty(d: Boolean);
<-----> procedure ImageLoad(filename: string);
<-----> procedure ScrollAdjust(update: Boolean);
<-----> procedure ScrollReset;

needed for a few reasons:
// 1) you want to do something special with particular scroll events
// 2) the range of your scrollbar is larger than [0, 65535]. in this case, the ScrollPos element is invalid and much of the scrolling has to be done manually.
//
<-----> procedure TScrollForm1.HScrollbScroll(Sender: TObject; ScrollCode: TScrollCode; var ScrollPos: Integer);
begin
if HScrollb.Max <= 65535 then
Image.Left := -Units.x * ScrollPos
else
ShowMessage('Scrollbar ranges > 65535 not supported');
end;
//
// The panel's size doesn't change in this example, so this event will only happen once. In general, the range of the scrollbars will need to be changed when the size of the visible window is changed.
//
<-----> procedure TScrollForm1.ImgPanelResize(Sender: TObject);
begin
ScrollAdjust(True);
end;
function scale(n, u: Integer): Integer;
begin
Result := (n + u - 1) div u;
end;
function maxval(a, b: Integer): Integer;
begin

TScrollForm1.VScrollMenuClick(Sender: TObject);
begin
VScrollb.Visible := not VScrollb.Visible;
end;
<-----> procedure TScrollForm1.HScrollMenuClick(Sender: TObject);
begin
HScrollb.Visible := not HScrollb.Visible;
end;
<-----> procedure TScrollForm1.Open1Click(Sender: TObject);
begin
if OpenFileDialog.Execute then
ImageLoad(OpenDialog.FileName);
end;
//
// Hooking the OnChange event is the simplest way to handle the scrollbar notification. Note the check to ensure that the sender is the vertical scrollbar. While irrelevant for this example, some forms may need to distinguish between various scrollbars.
//
<-----> procedure TScrollForm1.VScrollbChange(Sender: TObject);
begin
if Sender as TScrollBar = VScrollb then
Image.Top := -Units.y * VScrollb.Position;
end;
//
// Hooking the OnScroll event is another option for handling the scrollbar notification. This is

```

// is ignored.
//
<-----> procedure
TScrollForm1.ScrollReset;
begin
  // this fixed size works nice,
  although in some cases basing
  // the scroll units upon the size of
  the image works well, too.
  Units.x := DEF_SCROLL_UNITS;
  Units.y := DEF_SCROLL_UNITS;

  if Image.Picture <> nil then
  begin
    // move the image and the
    scrollbars to their "home" location
    Image.Top := 0;
    Image.Left := 0;
    HScrollb.Position := 0;
    VScrollb.Position := 0;

    // negative scrolling ranges aren't
    worth the trouble, so set
    // the range to go from [0, M]. See
    'ScrollAdjust' to see how M
    // is calculated.
    HScrollb.Min := 0;
    VScrollb.Min := 0;
    ScrollAdjust(False);

    HScrollb.LargeChange :=
    scale(HScrollb.Max, Units.x);
    VScrollb.LargeChange :=
    scale(VScrollb.Max, Units.y);

    HScrollb.Visible := True;
    VScrollb.Visible := True;
  end;

  UpdateDisplay;
end;

<-----> procedure
TScrollForm1.SetDirty(d: Boolean);
begin
  if d <> FDirty then
  begin

```

```

if a >= b then
  Result := a
else
  Result := b;
end;

//
// Readjust the range of the
scrollbars to match the new size
// of the visible window. (Also called
by ScrollReset to avoid
// duplicating the code).
//
<-----> procedure
TScrollForm1.ScrollAdjust(update:
Boolean);
begin
  // set the maximum scrolling to be
  large enough to scroll the whole
  // image, but not so much that it can
  scroll off the window. we
  // divide by the number of Units
  (>1) because scrolling one pixel at
  // a time is way too slow for most
  images of any size.

  if Image.Picture <> nil then
  begin
    HScrollb.Max := maxval(0,
    scale(Image.Width -
    ImgPanel.Width, Units.x));
    VScrollb.Max := maxval(0,
    scale(Image.Height -
    ImgPanel.Height, Units.y));
  end;

  if update then
    UpdateDisplay;
end;

//
// ScrollReset() is used to put the
scrollbars into a sane "initial"
// state. this needs to be done each
time the image is changed,
// since the amount we scroll depends
upon the image size. for
// simplicity, the special case of "new
image size" == "old image size"

```

<-----> procedure TScrollForm1.DefaultBtnClick(Sender: TObject);
begin
ScrollReset;
Dirty := False;
end;
<-----> procedure TScrollForm1.UpDownClick(Sender: TObject; Button: TUDBtnType);
begin
Dirty := True;
end;
<-----> procedure TScrollForm1.UpdateDisplay;
begin
HUnitsUpDown.Position := Units.x;
HPageUpDown.Position := HScrollb.LargeChange;
HMaxUpDown.Position := HScrollb.Max;
VUnitsUpDown.Position := Units.y;
VPageUpDown.Position := VScrollb.LargeChange;
VMaxUpDown.Position := VScrollb.Max;
Dirty := False;
end;
end.
unit about;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls;
type

FDirty := d;
ApplyBtn.Enabled := FDirty;
end;
end;
<-----> procedure TScrollForm1.ImageLoad(filename: string);
begin
Image.Picture.LoadFromFile(filename);
ScrollReset;
end;
<-----> procedure TScrollForm1.About1Click(Sender: TObject);
var
about: TAboutBox;
begin
about := TAboutBox.Create(Self);
try
about.ShowModal;
finally
about.Free;
end;
end;
<-----> procedure TScrollForm1.ApplyBtnClick(Sender: TObject);
begin
Units.x := HUnitsUpDown.Position;
HScrollb.LargeChange := HPageUpDown.Position;
HScrollb.Max := HMaxUpDown.Position;
Units.y := VUnitsUpDown.Position;
VScrollb.LargeChange := VPageUpDown.Position;
VScrollb.Max := VMaxUpDown.Position;
Dirty := False;
end;

biMinimize|
BorderStyle = bsSingle
Caption = 'ScrollDemo'
ClientHeight = 194
ClientWidth = 436
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu1
OldCreateOrder = True
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Bevel1: TBevel
Left = 0
Top = 0
Width = 436
Height = 9
Align = alTop
Shape = bsTopLine
end
<-----> object Label3: TLabel
Left = 238
Top = 42
Width = 24
Height = 13
Caption = 'Units'
end
<-----> object Label4: TLabel
Left = 198
Top = 78
Width = 64
Height = 13
Caption = 'LargeChange'
end
<-----> object Label5: TLabel
Left = 242
Top = 117
Width = 20
Height = 13
Caption = 'Max'
end
<-----> object Label1: TLabel
Left = 280

TAboutBox = class(TForm)
Button1: TButton;
Label1: TLabel;
Label2: TLabel;
<-----> procedure
Button1Click(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
AboutBox: TAboutBox;
implementation
{ \$R *.DFM }
<-----> procedure
TAboutBox.Button1Click(Sender:
TObject);
begin
Close;
end;
end.

<u>الملف النصي للبرنامج</u>
<u>Scroll bar</u>
<u>وفيه</u>
<u>Objects 40</u>
<u>من اعداد</u>
<u>علاء الدين اللباد</u>
<u>٠٩٤٤٥٧٥٣٧١</u>
<-----> object ScrollForm1:
TScrollForm1
Left = 181
Top = 156
BorderIcons = [biSystemMenu,

ReadOnly = True
TabOrder = 4
Text = '0'
end
<-----> object HMax: TEdit
Left = 276
Top = 113
Width = 48
Height = 21
ReadOnly = True
TabOrder = 5
Text = '0'
end
<-----> object VUnits: TEdit
Left = 363
Top = 38
Width = 48
Height = 21
ReadOnly = True
TabOrder = 6
Text = '1'
end
<-----> object VPage: TEdit
Left = 363
Top = 74
Width = 48
Height = 21
ReadOnly = True
TabOrder = 7
Text = '0'
end
<-----> object VMax: TEdit
Left = 363
Top = 113
Width = 48
Height = 21
ReadOnly = True
TabOrder = 8
Text = '0'
end
<-----> object HUnitsUpDown: TUpDown
Left = 323
Top = 38
Width = 15
Height = 21
Associate = HUnits
Min = 1

Top = 16
Width = 47
Height = 13
Caption = 'Horizontal'
end
<-----> object Vertical: TLabel
Left = 376
Top = 16
Width = 35
Height = 13
Caption = 'Vertical'
end
<-----> object HScrollBar: TScrollBar
Left = 9
Top = 169
Width = 159
Height = 16
Max = 32767
PageSize = 0
TabOrder = 1
OnScroll = HScrollBarScroll
end
<-----> object VScrollBar: TScrollBar
Left = 169
Top = 9
Width = 16
Height = 157
Kind = sbVertical
PageSize = 0
TabOrder = 2
OnChange = VScrollBarChange
end
<-----> object HUnits: TEdit
Left = 275
Top = 38
Width = 48
Height = 21
ReadOnly = True
TabOrder = 3
Text = '1'
end
<-----> object HPage: TEdit
Left = 275
Top = 74
Width = 48
Height = 21

TabOrder = 13
OnClick = UpDownClick
end
<-----> object VPageUpDown:
TUpDown
Left = 411
Top = 74
Width = 15
Height = 21
Associate = VPage
Max = 32767
TabOrder = 14
OnClick = UpDownClick
end
<-----> object DefaultBtn:
TButton
Left = 348
Top = 157
Width = 75
Height = 25
Caption = '&Defaults'
ParentShowHint = False
ShowHint = False
TabOrder = 15
OnClick = DefaultBtnClick
end
<-----> object ApplyBtn: TButton
Left = 265
Top = 157
Width = 75
Height = 25
Caption = '&Apply'
Enabled = False
TabOrder = 16
OnClick = ApplyBtnClick
end
<-----> object ImgPanel: TPanel
Left = 8
Top = 8
Width = 160
Height = 160
BevelOuter = bvNone
BorderStyle = bsSingle
TabOrder = 0
<-----> object Image: TImage
Left = 0
Top = 0
Width = 600

Max = 32767
Position = 1
TabOrder = 9
OnClick = UpDownClick
end
<-----> object HPageUpDown:
TUpDown
Left = 323
Top = 74
Width = 15
Height = 21
Associate = HPage
Max = 32767
TabOrder = 10
OnClick = UpDownClick
end
<-----> object HMaxUpDown:
TUpDown
Left = 324
Top = 113
Width = 15
Height = 21
Associate = HMax
Max = 32767
TabOrder = 11
OnClick = UpDownClick
end
<-----> object VUnitsUpDown:
TUpDown
Left = 411
Top = 38
Width = 15
Height = 21
Associate = VUnits
Min = 1
Max = 32767
Position = 1
TabOrder = 12
OnClick = UpDownClick
end
<-----> object VMaxUpDown:
TUpDown
Left = 411
Top = 113
Width = 15
Height = 21
Associate = VMax
Max = 32767

end
end
end
<-----> object OpenFileDialog: TOpenDialog
DefaultExt = '.bmp'
Filter =
'Images (*.*;*.ico)|*.bmp;*.ico|Bitmaps (*.*;*.ico)|*.bmp|Icons (*.! + 'ico)*.ico'
Options = [ofHideReadOnly, ofPathMustExist, ofFileMustExist]
Left = 230
Top = 158
end
End
<-----> object AboutBox: TAboutBox
Left = 200
Top = 108
BorderIcons = [biSystemMenu]
BorderStyle = bsDialog
Caption = 'About ScrollDemo'
ClientHeight = 135
ClientWidth = 239
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> object Label1: TLabel
Left = 24
Top = 24
Width = 191
Height = 20
Caption = 'ScrollBar Demonstration'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText

Height = 470
AutoSize = True
Picture.Data = { }
end
end
<-----> object MainMenu1: TMainMenu
Left = 196
Top = 159
<-----> object File1: TMenuItem
Caption = '&File'
<-----> object Open1: TMenuItem
Caption = '&Open...'
OnClick = Open1Click
end
<-----> object N1: TMenuItem
Caption = '-'
end
<-----> object Exit1: TMenuItem
Caption = 'E&xit'
OnClick = Exit1Click
end
end
<-----> object View1: TMenuItem
Caption = '&Scroll'
OnClick = View1Click
<-----> object VScrollMenu: TMenuItem
Caption = '&Vertical'
OnClick = VScrollMenuClick
end
<-----> object HScrollMenu: TMenuItem
Caption = '&Horizontal'
OnClick = HScrollMenuClick
end
end
<-----> object Help1: TMenuItem
Caption = '&Help'
<-----> object About1: TMenuItem
Caption = '&About...'
OnClick = About1Click

type
TMainForm = class(TForm)
ApplicationEvents:
TApplicationEvents;
ActionList: TActionList;
Action: TAction;
MainMenu: TMainMenu;
MenuItem: TMenuItem;
MenuItemException: TMenuItem;
HintButton: TButton;
lbOnMessage: TListBox;
lbOnMessage: TLabel;
lbOther: TListBox;
lbOther: TLabel;
lbIdle: TListBox;
lbOnIdle: TLabel;
lbActionUpdate: TListBox;
lbOnActionUpdate: TLabel;
procedure
ApplicationEventsActionExecute(Act
tion: TBasicAction;
var Handled: Boolean);
procedure
ApplicationEventsActionUpdate(Act
ion: TBasicAction;
var Handled: Boolean);
procedure
ApplicationEventsActivate(Sender:
TObject);
procedure
ApplicationEventsDeactivate(Sender
: TObject);
procedure
ApplicationEventsException(Sender
: TObject; E: Exception);
function
ApplicationEventsHelp(Command:
Word; Data: Integer;
var CallHelp: Boolean): Boolean;
procedure
ApplicationEventsHint(Sender:
TObject);
procedure
ApplicationEventsIdle(Sender:
TObject; var Done: Boolean);
procedure
ApplicationEventsMessage(var Msg:
tagMSG;

Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Label2: TLabel
Left = 32
Top = 56
Width = 174
Height = 13
Caption = 'Copyright 1997,
Borland International'
end
<-----> object Button1: TButton
Left = 82
Top = 96
Width = 75
Height = 25
Caption = 'OK'
TabOrder = 0
OnClick = Button1Click
end
end

ObjectS
الملف لبرنامج
(AppEvents)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit main;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
AppEvnts, ActnList, Menus,
StdCtrls;

OnActionUpdate');
end;
procedure TMainForm.ApplicationEventsActivate(Sender: TObject);
begin
 lbOther.Items.Add('Event OnActivate');
end;
procedure TMainForm.ApplicationEventsDeactivate(Sender: TObject);
begin
 lbOther.Items.Add('Event OnDeactivate');
end;
procedure TMainForm.ApplicationEventsException(Sender: TObject; E: Exception);
begin
 lbOther.Items.Add('Event OnException: ' + E.Message);
end;
function TMainForm.ApplicationEventsHelp (Command: Word; Data: Integer; var CallHelp: Boolean): Boolean;
begin
 lbOther.Items.Add('Event OnHelp');
 Result := False;
end;
procedure TMainForm.ApplicationEventsHint (Sender: TObject);
begin
 lbOther.Items.Add('Event OnHint');
end;
procedure TMainForm.ApplicationEventsIdle (Sender: TObject);

 var Handled: Boolean);
 procedure ApplicationEventsMinimize(Sender: TObject);
 procedure ApplicationEventsRestore(Sender: TObject);
 procedure ApplicationEventsShortCut(var Msg: TWMKey; var Handled: Boolean);
 procedure ApplicationEventsShowHint(var HintStr: String; var CanShow: Boolean; var HintInfo: THintInfo);
 procedure ActionExecute(Sender: TObject);
 procedure MenuExceptionClick(Sender: TObject);
 private { Private declarations }
 public { Public declarations }
 end;
 var MainForm: TMainForm;
implementation
{ \$R *.dfm }
 procedure TMainForm.ApplicationEventsActionExecute(Action: TBasicAction; var Handled: Boolean);
 begin
 lbOther.Items.Add('Event OnActionExecute');
 end;
 procedure TMainForm.ApplicationEventsActionUpdate(Action: TBasicAction; var Handled: Boolean);
 begin
 lbActionUpdate.Items.Add('Event

procedure TMainForm.ActionExecute(Sender: TObject);
begin
ShowMessage('Action executed');
end;
procedure TMainForm.MenuExceptionClick(S ender: TObject);
resourcestring
sExceptionRaised = 'This is an exception';
begin
raise Exception.Create(sExceptionRaised) ;
end;
end.

<u>الملف النصي للبرنامج</u>
<u>Scroll bar</u>
<u>وفيه</u>
<u>Objects 40</u>
<u>من اعداد</u>
<u>علاء الدين اللباد</u>
<u>٠٩٤٤٥٧٥٣٧١</u>
<-----> object ScrollForm1: TScrollForm1
Left = 181
Top = 156
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsSingle
Caption = 'ScrollDemo'
ClientHeight = 194
ClientWidth = 436
Color = clBtnFace

var Done: Boolean);
begin
lbIdle.Items.Add('Event OnIdle');
end;
procedure TMainForm.ApplicationEventsMess age(var Msg: tagMSG;
var Handled: Boolean);
begin
lbOnMessage.Items.Add('X:= ' + IntToStr(Msg.pt.x) + '|Y:= ' + IntToStr(Msg.pt.y));
end;
procedure TMainForm.ApplicationEventsMini mize(Sender: TObject);
begin
lbOther.Items.Add('Event OnMinimize');
end;
procedure TMainForm.ApplicationEventsRest ore(Sender: TObject);
begin
lbOther.Items.Add('Event OnRestore');
end;
procedure TMainForm.ApplicationEventsShor tCut(var Msg: TWMKey;
var Handled: Boolean);
begin
lbOther.Items.Add('Event OnShortCut');
end;
procedure TMainForm.ApplicationEventsShow Hint(var HintStr: String;
var CanShow: Boolean; var HintInfo: THintInfo);
begin
lbOther.Items.Add('Event OnShowHint');
end;

Left = 376
Top = 16
Width = 35
Height = 13
Caption = 'Vertical'
end
<-----> object HScrollbar:
TScrollbar
Left = 9
Top = 169
Width = 159
Height = 16
Max = 32767
PageSize = 0
TabOrder = 1
OnScroll = HScrollbarScroll
end
<-----> object VScrollbar:
TScrollbar
Left = 169
Top = 9
Width = 16
Height = 157
Kind = sbVertical
PageSize = 0
TabOrder = 2
OnChange = VScrollbarChange
end
<-----> object HUnits: TEdit
Left = 275
Top = 38
Width = 48
Height = 21
ReadOnly = True
TabOrder = 3
Text = '1'
end
<-----> object HPage: TEdit
Left = 275
Top = 74
Width = 48
Height = 21
ReadOnly = True
TabOrder = 4
Text = '0'
end
<-----> object HMax: TEdit
Left = 276

Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu1
OldCreateOrder = True
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Bevel1: TBevel
Left = 0
Top = 0
Width = 436
Height = 9
Align = alTop
Shape = bsTopLine
end
<-----> object Label3: TLabel
Left = 238
Top = 42
Width = 24
Height = 13
Caption = 'Units'
end
<-----> object Label4: TLabel
Left = 198
Top = 78
Width = 64
Height = 13
Caption = 'LargeChange'
end
<-----> object Label5: TLabel
Left = 242
Top = 117
Width = 20
Height = 13
Caption = 'Max'
end
<-----> object Label1: TLabel
Left = 280
Top = 16
Width = 47
Height = 13
Caption = 'Horizontal'
end
<-----> object Vertical: TLabel

TUpDown
Left = 323
Top = 74
Width = 15
Height = 21
Associate = HPage
Max = 32767
TabOrder = 10
OnClick = UpDownClick
end
<-----> object HMaxUpDown:
TUpDown
Left = 324
Top = 113
Width = 15
Height = 21
Associate = HMax
Max = 32767
TabOrder = 11
OnClick = UpDownClick
end
<-----> object VUnitsUpDown:
TUpDown
Left = 411
Top = 38
Width = 15
Height = 21
Associate = VUnits
Min = 1
Max = 32767
Position = 1
TabOrder = 12
OnClick = UpDownClick
end
<-----> object VMaxUpDown:
TUpDown
Left = 411
Top = 113
Width = 15
Height = 21
Associate = VMax
Max = 32767
TabOrder = 13
OnClick = UpDownClick
end
<-----> object VPageUpDown:
TUpDown
Left = 411

Top = 113
Width = 48
Height = 21
ReadOnly = True
TabOrder = 5
Text = '0'
end
<-----> object VUnits: TEdit
Left = 363
Top = 38
Width = 48
Height = 21
ReadOnly = True
TabOrder = 6
Text = '1'
end
<-----> object VPage: TEdit
Left = 363
Top = 74
Width = 48
Height = 21
ReadOnly = True
TabOrder = 7
Text = '0'
end
<-----> object VMax: TEdit
Left = 363
Top = 113
Width = 48
Height = 21
ReadOnly = True
TabOrder = 8
Text = '0'
end
<-----> object HUnitsUpDown:
TUpDown
Left = 323
Top = 38
Width = 15
Height = 21
Associate = HUnits
Min = 1
Max = 32767
Position = 1
TabOrder = 9
OnClick = UpDownClick
end
<-----> object HPageUpDown:

<-----> object MainMenu1: TMainMenu
Left = 196
Top = 159
<-----> object File1: TMenuItem
Caption = '&File'
<-----> object Open1: TMenuItem
Caption = '&Open...'
OnClick = Open1Click
end
<-----> object N1: TMenuItem
Caption = '-'
end
<-----> object Exit1: TMenuItem
Caption = 'E&xit'
OnClick = Exit1Click
end
end
<-----> object View1: TMenuItem
Caption = '&Scroll'
OnClick = View1Click
<-----> object VScrollMenu: TMenuItem
Caption = '&Vertical'
OnClick = VScrollMenuClick
end
<-----> object HScrollMenu: TMenuItem
Caption = '&Horizontal'
OnClick = HScrollMenuClick
end
end
<-----> object Help1: TMenuItem
Caption = '&Help'
<-----> object About1: TMenuItem
Caption = '&About...'
OnClick = About1Click
end
end
end
<-----> object OpenFileDialog: TOpenDialog
DefaultExt = '.bmp'

Top = 74
Width = 15
Height = 21
Associate = VPage
Max = 32767
TabOrder = 14
OnClick = UpDownClick
end
<-----> object DefaultBtn: TButton
Left = 348
Top = 157
Width = 75
Height = 25
Caption = '&Defaults'
ParentShowHint = False
ShowHint = False
TabOrder = 15
OnClick = DefaultBtnClick
end
<-----> object ApplyBtn: TButton
Left = 265
Top = 157
Width = 75
Height = 25
Caption = '&Apply'
Enabled = False
TabOrder = 16
OnClick = ApplyBtnClick
end
<-----> object ImgPanel: TPanel
Left = 8
Top = 8
Width = 160
Height = 160
BevelOuter = bvNone
BorderStyle = bsSingle
TabOrder = 0
<-----> object Image: TImage
Left = 0
Top = 0
Width = 600
Height = 470
AutoSize = True
Picture.Data = {
}
end
end

Left = 32
Top = 56
Width = 174
Height = 13
Caption = 'Copyright 1997, Borland International'
end
<-----> object Button1: TButton
Left = 82
Top = 96
Width = 75
Height = 25
Caption = 'OK'
TabOrder = 0
OnClick = Button1Click
end
end

--

Filter =
'Images (*.*bmp;*.ico)|*.bmp;*.ico|Bitmaps (*.*bmp)|*.bmp|Icons (*.'+
'ico)|*.ico'
Options = [ofHideReadOnly, ofPathMustExist, ofFileMustExist]
Left = 230
Top = 158
end
End
<-----> object AboutBox:
TAboutBox
Left = 200
Top = 108
BorderIcons = [biSystemMenu]
BorderStyle = bsDialog
Caption = 'About ScrollDemo'
ClientHeight = 135
ClientWidth = 239
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> object Label1: TLabel
Left = 24
Top = 24
Width = 191
Height = 20
Caption = 'ScrollBar Demonstation'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Label2: TLabel

{SR *.dfm}
uses
ConvUtils, StdConvs, EuroConv, StrUtils;
procedure
TForm1.FormShow(Sender: TObject);
var
LFamilies: TConvFamilyArray;
I: Integer;
LStrings: TStringList;
begin
ConvFamilies.Tabs.Clear;
LStrings := TStringList.Create;
try
GetConvFamilies(LFamilies);
for I := 0 to Length(LFamilies) - 1
do
LStrings.AddObject(ConvFamilyTo Description(LFamilies[I]), TObject(LFamilies[I]));
LStrings.Sort;
ConvFamilies.Tabs.Assign(LStrings)
;
ConvFamiliesChange(Sender);
finally
LStrings.Free;
end;
end;
procedure
TForm1.ConvFamiliesChange(Send er: TObject);
var
LFamily: TConvFamily;
LTypes: TConvTypeArray;
I: Integer;
begin
LFamily :=
TConvFamily(ConvFamilies.Tabs.O bjects[ConvFamilies.TabIndex]);
with ConvTypes, Items do
begin
BeginUpdate;

ObjectS
الملف التنفيذي لبرنامج
(ConvertI)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit ConvertItUnit;
interface
uses
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, StdCtrls, ComCtrls;
type
TForm1 = class(TForm)
ConvTypes: TListBox;
ConvValue: TEdit;
ConvResults: TListBox;
ConvValueIncDec: TUpDown;
ConvFamilies: TTabControl;
StatusBar1: TStatusBar;
procedure FormShow(Sender: TObject);
procedure
ConvTypesClick(Sender: TObject);
procedure
ConvValueChange(Sender: TObject);
procedure
ConvFamiliesChange(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
Form1: TForm1;
implementation

LTestType),
ConvTypeToDescription(LTestType));
end;
end
else
Add('No base type');
except
Add('Cannot parse value');
end;
finally
EndUpdate;
end;
end;
end.

Objects
الملف النصي لبرنامج
(ConvertI)
إعداد
علاء الدين اللباد
جاتف ٠٩٤٤٥٧٥٣٧١
object Form1: TForm1
Left = 192
Top = 107
Width = 420
Height = 466
Caption = 'Conversion Tester'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
object ConvFamilies: TTabControl

Clear;
GetConvTypes(LFamily, LTypes);
for I := 0 to Length(LTypes) - 1 do
AddObject(ConvTypeToDescription (LTypes[I]), TObject(LTypes[I]));
ItemIndex := 0;
EndUpdate;
end;
ConvTypesClick(Sender);
end;
procedure
TForm1.ConvTypesClick(Sender: TObject);
begin
ConvValueChanged(Sender);
end;
procedure
TForm1.ConvValueChanged(Sender: TObject);
var
LValue: Double;
LBaseType, LTestType: TConvType;
I: Integer;
begin
with ConvResults, Items do
try
BeginUpdate;
Clear;
try
LValue := StrToFloatDef(ConvValue.Text, 0);
if ConvTypes.ItemIndex <> -1
then
begin
LBaseType := TConvType(ConvTypes.Items.Objec ts[ConvTypes.ItemIndex]);
for I := 0 to ConvTypes.Items.Count - 1 do
begin
LTestType := TConvType(ConvTypes.Items.Objec ts[I]);
Add(Format('%n %s', [Convert(LValue, LBaseType,

ItemHeight = 13
ParentColor = True
TabOrder = 3
end
object ConvValue: TEdit
Left = 200
Top = 32
Width = 177
Height = 21
Anchors = [akLeft, akTop, akRight]
TabOrder = 1
Text = '1'
OnChange = ConvValueChange
end
end
object StatusBar1: TStatusBar
Left = 0
Top = 413
Width = 412
Height = 19
Panels = <
item
Width = 50
end>
end
End

Left = 0
Top = 0
Width = 412
Height = 413
Align = alClient
TabOrder = 0
Tabs.Strings = (
'Testing')
TabIndex = 0
OnChange =
ConvFamiliesChange
DesignSize = (
412
413)
object ConvTypes: TListBox
Left = 16
Top = 32
Width = 177
Height = 372
Anchors = [akLeft, akTop, akBottom]
ItemHeight = 13
Sorted = True
TabOrder = 0
OnClick = ConvTypesClick
end
object ConvValueIncDec:
TUpDown
Left = 377
Top = 32
Width = 16
Height = 21
Anchors = [akTop, akRight]
Associate = ConvValue
Min = -32000
Max = 32000
Position = 1
TabOrder = 2
Thousands = False
end
object ConvResults: TListBox
Left = 200
Top = 56
Width = 196
Height = 348
TabStop = False
Anchors = [akLeft, akTop, akRight, akBottom]

procedure TrackBar1Change(Sender: TObject);
procedure TrackBar2Change(Sender: TObject);
procedure FormDestroy(Sender: TObject);
private
{ Private declarations }
MyThread1 : TMyThread; // thread number 1
MyThread2 : TMyThread; // thread number 2
Thread1Active : boolean; // used to test if thread 1 is active
Thread2Active : boolean; // used to test if thread 2 is active
procedure ThreadDone(var AMessage : TMessage); message WM_ThreadDoneMsg; // Message to be sent back from thread when its done
public
{ Public declarations }
end;
var
Form1: TForm1;
implementation
{SR *.DFM}
procedure TForm1.Button1Click(Sender: TObject); // Create Thread 1 { The thread will destroy iteself when it is done executing because FreeOnTerminate is set to true. The first paramter is the priority, and the second is the progressbar to update. }
begin
if (MyThread1 = nil) or (Thread1Active = false) then // make sure its not already running begin

الملف التنفيذي لبرنامج
(Prgrsba)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit Pg1;
Interface
Uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, ComCtrls, ExtCtrls, Pg2;
Const
WM_ThreadDoneMsg = WM_User + 8;
Type
TForm1 = class(TForm)
ProgressBar1: TProgressBar;
ProgressBar2: TProgressBar;
Button1: TButton;
Button2: TButton;
TrackBar1: TTrackBar;
TrackBar2: TTrackBar;
Bevel1: TBevel;
Bevel2: TBevel;
Label1: TLabel;
Label2: TLabel;
Button3: TButton;
Button4: TButton;
procedure Button1Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure Button4Click(Sender: TObject);
procedure FormCreate(Sender: TObject);

Else
ShowMessage('Thread not started');
end;
procedure TForm1.ThreadDone(var AMessage: TMessage); // keep track of when and which thread is done executing
begin
if ((MyThread1 <> nil) and (MyThread1.ThreadID = cardinal(AMessage.WParam))) then
begin
Thread1Active := false;
end;
if ((MyThread2 <> nil) and (MyThread2.ThreadID = cardinal(AMessage.WParam))) then
begin
Thread2Active := false;
end;
end;
procedure TForm1.FormCreate(Sender: TObject); // initialize to zero
begin
Thread1Active := false;
Thread2Active := false;
end;
procedure TForm1.TrackBar1Change(Sender: TObject); // set Thread 1 Priority
begin
if (MyThread1 <> nil) and (Thread1Active = true) then
MyThread1.priority := TThreadPriority(TackBar1.Position);
end;
procedure TForm1.TrackBar2Change(Sender: TObject); // set Thread 2 Priority
begin

MyThread1 := TMyThread.CreateIt(TackBar1.Position, ProgressBar1);
Thread1Active := true;
End
Else
ShowMessage('Thread still executing');
end;
procedure TForm1.Button2Click(Sender: TObject); // Create Thread 2
Begin
if (MyThread2 = nil) or (Thread2Active = false) then // make sure its not already running
Begin
MyThread2 := TMyThread.CreateIt(TackBar2.Position, ProgressBar2);
Thread2Active := true;
End
Else
ShowMessage('Thread still executing');
end;
procedure TForm1.Button3Click(Sender: TObject); // Terminate Thread 1
Begin
if (MyThread1 <> nil) and (Thread1Active = true) then // check to see if it is running
MyThread1.Terminate
Else
ShowMessage('Thread not started');
end;
procedure TForm1.Button4Click(Sender: TObject); // Terminate Thread 2
Begin
if (MyThread2 <> nil) and (Thread2Active = true) then // check to see if it is running
MyThread2.Terminate

Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Position = poDesktopCenter
OnCreate = FormCreate
OnDestroy = FormDestroy
PixelsPerInch = 96
TextHeight = 13
object Bevel1: TBevel
Left = 32
Top = 8
Width = 513
Height = 169
end
object Bevel2: TBevel
Left = 32
Top = 200
Width = 513
Height = 169
end
object Label1: TLabel
Left = 256
Top = 104
Width = 34
Height = 13
Caption = 'Priority:'
end
object Label2: TLabel
Left = 248
Top = 296
Width = 34
Height = 13
Caption = 'Priority:'
end
object ProgressBar1: TProgressBar
Left = 64
Top = 32
Width = 393
Height = 25
Step = 1
TabOrder = 0
end
object ProgressBar2: TProgressBar

if (MyThread2 <> nil) and (Thread2Active = true) then
MyThread2.priority := TThreadPriority(TrackBar2.Position);
end;
procedure TForm1.FormDestroy(Sender: TObject); // Terminate any threads still running
Begin
if (MyThread1 <> nil) and (Thread1Active = true) then
Begin
MyThread1.Terminate;
MyThread1.WaitFor; // wait for it to terminate
end;
if (MyThread2 <> nil) and (Thread2Active = true) then
Begin
MyThread2.Terminate;
MyThread2.WaitFor;
end;
end;
end.

Objects
الملف النصي لبرنامج
(Prgrsba)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
object Form1: TForm1
Left = 169
Top = 109
Width = 712
Height = 507
Caption = 'TThread, TTrackBar, TProgressBar'

Height = 25
Caption = 'Terminate Thread'
TabOrder = 6
OnClick = Button3Click
end
object Button4: TButton
Left = 72
Top = 320
Width = 105
Height = 25
Caption = 'Terminate Thread'
TabOrder = 7
OnClick = Button4Click
end
End

Left = 64
Top = 224
Width = 401
Height = 25
TabOrder = 1
end
object Button1: TButton
Left = 72
Top = 80
Width = 105
Height = 25
Caption = 'Create Thread'
TabOrder = 2
OnClick = Button1Click
end
object Button2: TButton
Left = 72
Top = 272
Width = 105
Height = 25
Caption = 'Create Thread'
TabOrder = 3
OnClick = Button2Click
end
object TrackBar1: TTrackBar
Left = 296
Top = 104
Width = 193
Height = 33
Max = 6
Position = 3
TabOrder = 4
OnChange = TrackBar1Change
end
object TrackBar2: TTrackBar
Left = 288
Top = 296
Width = 193
Height = 45
Max = 6
Position = 3
TabOrder = 5
OnChange = TrackBar2Change
end
object Button3: TButton
Left = 72
Top = 128
Width = 105

procedure Button1Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure LCDNumber1MouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
private
{ Private declarations }
FRunning: Boolean;
procedure SetRunning(Value: Boolean);
public
{ Public declarations }
StartTime: Extended;
ElapsedTime: Extended;
Reset: Boolean;
property Running: Boolean read FRunning write SetRunning;
end;
var
Form1: TForm1;
implementation
{ \$R *.xfm }
procedure TForm1.SetRunning(Value: Boolean);
begin
if FRunning <> Value then
begin
FRunning := Value;
StartTime := ElapsedTime;
if Value then Reset := False;
end;
end;
procedure TForm1.Timer1Timer(Sender: TObject);
begin
if Reset then ElapsedTime := Now

الملف التنفيذي لبرنامج
(----StopWatch)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program stopwatch;
uses
QForms,
main in 'main.pas' {Form1};
{ \$R *.res }
begin
Application.Initialize;
Application.CreateForm(TForm1, Form1);
Application.Run;
end.
\\
unit main;
interface
uses
SysUtils, Types, Classes,
QGraphics, QControls, QForms,
QDialogs,
QStdCtrls, QTypes, QExtCtrls;
type
TForm1 = class(TForm)
LCDNumber1: TLCDNumber;
Timer1: TTimer;
Button1: TButton;
Button2: TButton;
Button3: TButton;
procedure Timer1Timer(Sender: TObject);


```

if NewBorderStyle >
Ord(High(TBorderStyle)) then
  NewBorderStyle :=
  Ord(Low(TBorderStyle));
  LCDNumber1.BorderStyle :=
  TBorderStyle(NewBorderStyle);
end;
mbRight:
begin
  NewSegmentStyle :=
  Ord(LCDNumber1.SegmentStyle) +
  1;
  if NewSegmentStyle >
  Ord(High(TLCDSegmentStyle))
  then
    NewSegmentStyle :=
    Ord(Low(TLCDSegmentStyle));
    LCDNumber1.SegmentStyle :=
    TLCDSegmentStyle(NewSegmentSt
    yle);
  end;
end;
end;
end.

```

ObjectS
الملف لبرنامج
(----StopWatch)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
object Form1: TForm1
Left = 117
Top = 167
Width = 237
Height = 67
VertScrollBar.Range = 65
HorzScrollBar.Range = 233
ActiveControl = Button1
Caption = 'Form1'
Color = clBackground
PixelsPerInch = 75
TextHeight = 13

```

else ElapsedTime := Now -
StartTime;
if Running then
  LCDNumber1.Value :=
  FormatDateTime('nn:ss.zzz',
  ElapsedTime);
end;
procedure
TForm1.Button1Click(Sender:
TObject);
begin
  Running := True;
end;
procedure
TForm1.Button2Click(Sender:
TObject);
begin
  Running := False;
end;
procedure
TForm1.Button3Click(Sender:
TObject);
begin
if not Running then
begin
  LCDNumber1.Value :=
'00:00.000';
  Reset := True;
end;
end;
procedure
TForm1.LCDNumber1MouseUp(Se
nder: TObject; Button:
TMouseButton;
Shift: TShiftState; X, Y: Integer);
var
  NewBorderStyle: Integer;
  NewSegmentStyle: Integer;
begin
  case Button of
    mbLeft:
      begin
        NewBorderStyle :=
        Ord(LCDNumber1.BorderStyle) +
        1;

```

end
End

TextWidth = 6
object LCDNumber1: TLCDNumber
Left = 0
Top = 0
Width = 237
Height = 35
Align = alTop
Color = clBackground
Digits = 9
ParentColor = False
SegmentStyle = ssFilled
Value = '00:00.000'
OnMouseUp = LCDNumber1MouseUp
end
object Button1: TButton
Left = 2
Top = 40
Width = 75
Height = 25
Caption = 'Start'
TabOrder = 1
OnClick = Button1Click
end
object Button2: TButton
Left = 80
Top = 40
Width = 75
Height = 25
Caption = 'Stop'
TabOrder = 2
OnClick = Button2Click
end
object Button3: TButton
Left = 158
Top = 40
Width = 75
Height = 25
Caption = 'Reset'
TabOrder = 3
OnClick = Button3Click
end
object Timer1: TTimer
Interval = 1
OnTimer = Timer1Timer
Left = 8
Top = 4

UpDown1: TUpDown;
procedure
FileListBox1Click(Sender:
TObject);
procedure ViewBtnClick(Sender:
TObject);
procedure ViewAsGlyph(const
FileExt: string);
procedure
GlyphCheckClick(Sender: TObject);
procedure
StretchCheckClick(Sender:
TObject);
procedure
FileEditKeyPress(Sender: TObject;
var Key: Char);
procedure
UpDownEditChange(Sender:
TObject);
procedure FormCreate(Sender:
TObject);
private
FormCaption: string;
end;
var
ImageForm: TImageForm;
implementation
uses ViewWin, SysUtils;
{SR *.dfm}
procedure
TImageForm.FileListBox1Click(Sen
der: TObject);
var
FileExt: string[4];
begin
FileExt :=
AnsiUpperCase(ExtractFileExt(File
Listbox1.FileName));
if (FileExt = '.BMP') or (FileExt =
'.ICO') or (FileExt = '.WMF') or
(FileExt = '.EMF') then
begin
Image1.Picture.LoadFromFile(FileL

الملف التنفيذي لبرنامج
(ImageView)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit ImageWin;
interface
uses Windows, Classes, Graphics,
Forms, Controls,
FileCtrl, StdCtrls, ExtCtrls,
Buttons, Spin, ComCtrls, Dialogs;
type
TImageForm = class(TForm)
DirectoryListBox1:
TDirectoryListBox;
DriveComboBox1:
TDriveComboBox;
FileEdit: TEdit;
UpDownGroup: TGroupBox;
SpeedButton1: TSpeedButton;
BitBtn1: TBitBtn;
DisabledGrp: TGroupBox;
SpeedButton2: TSpeedButton;
BitBtn2: TBitBtn;
Panel1: TPanel;
Image1: TImage;
FileListBox1: TFileListBox;
Label2: TLabel;
ViewBtn: TBitBtn;
Bevel1: TBevel;
Bevel2: TBevel;
FilterComboBox1:
TFilterComboBox;
GlyphCheck: TCheckBox;
StretchCheck: TCheckBox;
UpDownEdit: TEdit;

Image1.Picture.Bitmap;
SpeedButton2.Glyph :=
Image1.Picture.Bitmap;
UpDown1.Position :=
SpeedButton1.NumGlyphs;
BitBtn1.Glyph :=
Image1.Picture.Bitmap;
BitBtn2.Glyph :=
Image1.Picture.Bitmap;
end
else begin
SpeedButton1.Glyph := nil;
SpeedButton2.Glyph := nil;
BitBtn1.Glyph := nil;
BitBtn2.Glyph := nil;
end;
UpDown1.Enabled :=
GlyphCheck.Checked;
UpDownEdit.Enabled :=
GlyphCheck.Checked;
Label2.Enabled :=
GlyphCheck.Checked;
end;
procedure
TImageForm.ViewBtnClick(Sender:
TObject);
begin
ViewForm.HorzScrollBar.Range :=
Image1.Picture.Width;
ViewForm.VertScrollBar.Range :=
Image1.Picture.Height;
ViewForm.Caption := Caption;
ViewForm.Show;
ViewForm.WindowState :=
wsNormal;
end;
procedure
TImageForm.UpDownEditChange(S
ender: TObject);
resourcestring
sMinValue = 'Value below
minimum';
sMaxValue = 'Value over
maximum';
begin
if (StrToInt(UpDownEdit.Text) <

ListBox1.FileName);
Caption := FormCaption +
ExtractFilename(FileListBox1.Filen
ame);
if (FileExt = '.BMP') then
begin
Caption := Caption +
Format(' (%d x %d)',
[Image1.Picture.Width,
Image1.Picture.Height]);
ViewForm.Image1.Picture :=
Image1.Picture;
ViewForm.Caption := Caption;
if GlyphCheck.Checked then
ViewAsGlyph(FileExt);
end
else
GlyphCheck.Checked := False;
if FileExt = '.ICO' then
begin
Icon := Image1.Picture.Icon;
ViewForm.Image1.Picture.Icon
:= Icon;
end;
if (FileExt = '.WMF') or (FileExt =
'.EMF') then
ViewForm.Image1.Picture.Metafile
:= Image1.Picture.Metafile;
end;
end;
procedure
TImageForm.GlyphCheckClick(Sen
der: TObject);
begin
ViewAsGlyph(AnsiUpperCase(Extra
ctFileExt(FileListBox1.FileName));
end;
procedure
TImageForm.ViewAsGlyph(const
FileExt: string);
begin
if GlyphCheck.Checked and
(FileExt = '.BMP') then
begin
SpeedButton1.Glyph :=

end.
////////////////////////////////

Objects
الملف لبرنامج
(ImagView)
إعداد
علاء الدين اللباد
جاتف ٠٩٤٤٥٧٥٣٧١
object ImageForm: TImageForm
Left = 193
Top = 107
ActiveControl = FileEdit
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsSingle
Caption = 'Image Viewer'
ClientHeight = 315
ClientWidth = 502
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poDefaultPosOnly
PixelsPerInch = 96
TextHeight = 13
object Bevel1: TBevel
Left = 316
Top = 5
Width = 171
Height = 121
end
object Bevel2: TBevel
Left = 317
Top = 132
Width = 170
Height = 177
end
object Label1: TLabel
Left = 325
Top = 11
Width = 147
Height = 13

UpDown1.Min) then
begin
UpDownEdit.Text := '1';
raise
ERangeError.Create(sMinValue);
end
else if (StrToInt(UpDownEdit.Text) > UpDown1.Max) then
begin
UpDownEdit.Text := '4';
raise
ERangeError.Create(sMaxValue);
end;
SpeedButton1.NumGlyphs := UpDown1.Position;
SpeedButton2.NumGlyphs := UpDown1.Position;
end;
procedure TImageForm.StretchCheckClick(Se nder: TObject);
begin
Image1.Stretch := StretchCheck.Checked;
end;
procedure TImageForm.FileEditKeyPress(Sen der: TObject; var Key: Char);
begin
if Key = #13 then
begin
FileListBox1.ApplyFilePath(FileEdit .Text);
Key := #0;
end;
end;
procedure TImageForm.FormCreate(Sender: TObject);
begin
FormCaption := Caption + ' - ';
UpDown1.Min := 1;
UpDown1.Max := 4;
end;

Left = 116
Top = 26
Width = 25
Height = 25
AllowAllUp = True
GroupIndex = 1
end
object BitBtn1: TBitBtn
Left = 12
Top = 18
Width = 92
Height = 33
Caption = 'BitBtn1'
TabOrder = 0
end
end
object DisabledGrp: TGroupBox
Left = 323
Top = 220
Width = 154
Height = 60
Caption = 'Disabled'
TabOrder = 7
object SpeedButton2: TSpeedButton
Left = 116
Top = 25
Width = 25
Height = 25
Enabled = False
end
object BitBtn2: TBitBtn
Left = 11
Top = 18
Width = 92
Height = 33
Caption = 'BitBtn2'
Enabled = False
TabOrder = 0
end
end
object Panel1: TPanel
Left = 324
Top = 27
Width = 153
Height = 68
BevelInner = bvLowered
TabOrder = 8

AutoSize = False
Caption = 'Preview'
end
object Label2: TLabel
Left = 324
Top = 290
Width = 93
Height = 13
Caption = 'Number of Glyphs - '
end
object DirectoryListBox1: TDirectoryListBox
Left = 8
Top = 12
Width = 148
Height = 260
FileList = FileListBox1
IntegralHeight = True
ItemHeight = 16
TabOrder = 1
end
object DriveComboBox1: TDriveComboBox
Left = 9
Top = 277
Width = 148
Height = 19
DirList = DirectoryListBox1
TabOrder = 3
end
object FileEdit: TEdit
Left = 166
Top = 13
Width = 139
Height = 21
TabOrder = 0
Text = '*.bmp;*.ico;*.wmf;*.emf'
OnKeyPress = FileEditKeyPress
end
object UpDownGroup: TGroupBox
Left = 323
Top = 158
Width = 154
Height = 60
Caption = 'Up / Down'
TabOrder = 5
object SpeedButton1: TSpeedButton

Top = 137
Width = 104
Height = 17
Caption = 'View as Glyph'
TabOrder = 9
OnClick = GlyphCheckClick
end
object StretchCheck: TCheckBox
Left = 413
Top = 96
Width = 64
Height = 17
Caption = 'Stretch'
TabOrder = 11
OnClick = StretchCheckClick
end
object UpDownEdit: TEdit
Left = 439
Top = 286
Width = 24
Height = 21
TabOrder = 10
Text = '1'
OnChange = UpDownEditChange
end
object UpDown1: TUpDown
Left = 463
Top = 286
Width = 11
Height = 21
Associate = UpDownEdit
Position = 1
TabOrder = 12
end
End
////////////////////////////////////
object ViewForm: TViewForm
Left = 187
Top = 458
AutoScroll = False
Caption = 'View Form'
ClientHeight = 287
ClientWidth = 495
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText

object Image1: TImage
Left = 2
Top = 2
Width = 149
Height = 64
Align = alClient
end
end
object FileListBox1: TFileListBox
Left = 166
Top = 41
Width = 139
Height = 227
FileEdit = FileEdit
ItemHeight = 13
Mask = '*.bmp;*.ico;*.wmf;*.emf'
TabOrder = 2
OnClick = FileListBox1Click
end
object ViewBtn: TBitBtn
Left = 325
Top = 98
Width = 63
Height = 24
Caption = '&Full View'
TabOrder = 6
OnClick = ViewBtnClick
end
object FilterComboBox1:
TFilterComboBox
Left = 166
Top = 275
Width = 140
Height = 21
FileList = FileListBox1
Filter =
'Image Files (*.bmp, *.ico,
*.wmf,
*.emf)|*.bmp;*.ico;*.wmf;*.emf' +
'|Bitmap Files
(*.*)|*.bmp|Icons
(*.*)|*.ico|Metafiles (*.wmf' +
', *.emf)|*.wmf;*.emf|All files
(*.*) *.*'
TabOrder = 4
end
object GlyphCheck: TCheckBox
Left = 327

Left = 325
Top = 11
Width = 147
Height = 13
AutoSize = False
Caption = 'Preview'
end
object Label2: TLabel
Left = 324
Top = 290
Width = 93
Height = 13
Caption = 'Number of Glyphs - '
end
object DirectoryListBox1: TDirectoryListBox
Left = 8
Top = 12
Width = 148
Height = 260
FileList = FileListBox1
IntegralHeight = True
ItemHeight = 16
TabOrder = 1
end
object DriveComboBox1: TDriveComboBox
Left = 9
Top = 277
Width = 148
Height = 19
DirList = DirectoryListBox1
TabOrder = 3
end
object FileEdit: TEdit
Left = 166
Top = 13
Width = 139
Height = 21
TabOrder = 0
Text = '*.bmp;*.ico;*.wmf;*.emf'
OnKeyPress = FileEditKeyPress
end
object UpDownGroup: TGroupBox
Left = 323
Top = 158
Width = 154
Height = 60

Font.Height = -13
Font.Name = 'System'
Font.Style = []
OldCreateOrder = True
Position = poDefault
PixelsPerInch = 96
TextHeight = 16
object Image1: TImage
Left = 0
Top = 0
Width = 495
Height = 287
Align = alClient
AutoSize = True
end
End
//////////
object ImageForm: TImageForm
Left = 193
Top = 107
ActiveControl = FileEdit
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsSingle
Caption = 'Image Viewer'
ClientHeight = 315
ClientWidth = 502
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poDefaultPosOnly
PixelsPerInch = 96
TextHeight = 13
object Bevel1: TBevel
Left = 316
Top = 5
Width = 171
Height = 121
end
object Bevel2: TBevel
Left = 317
Top = 132
Width = 170
Height = 177
end
object Label1: TLabel

Width = 153
Height = 68
BevelInner = bvLowered
TabOrder = 8
object Image1: TImage
Left = 2
Top = 2
Width = 149
Height = 64
Align = alClient
end
end
object FileListBox1: TFileListBox
Left = 166
Top = 41
Width = 139
Height = 227
FileEdit = FileEdit
ItemHeight = 13
Mask = '*.bmp;*.ico;*.wmf;*.emf'
TabOrder = 2
OnClick = FileListBox1Click
end
object ViewBtn: TBitBtn
Left = 325
Top = 98
Width = 63
Height = 24
Caption = '&Full View'
TabOrder = 6
OnClick = ViewBtnClick
end
object FilterComboBox1: TFilterComboBox
Left = 166
Top = 275
Width = 140
Height = 21
FileList = FileListBox1
Filter =
'Image Files (*.bmp, *.ico, *.wmf, *.emf)|*.bmp;*.ico;*.wmf;*.emf' +
'|Bitmap Files (*.bmp)|*.bmp|Icons (*.ico)|*.ico|Metafiles (*.wmf' +
', *.emf)|*.wmf;*.emf|All files (*.*)|*.*'

Caption = 'Up / Down'
TabOrder = 5
object SpeedButton1: TSpeedButton
Left = 116
Top = 26
Width = 25
Height = 25
AllowAllUp = True
GroupIndex = 1
end
object BitBtn1: TBitBtn
Left = 12
Top = 18
Width = 92
Height = 33
Caption = 'BitBtn1'
TabOrder = 0
end
end
object DisabledGrp: TGroupBox
Left = 323
Top = 220
Width = 154
Height = 60
Caption = 'Disabled'
TabOrder = 7
object SpeedButton2: TSpeedButton
Left = 116
Top = 25
Width = 25
Height = 25
Enabled = False
end
object BitBtn2: TBitBtn
Left = 11
Top = 18
Width = 92
Height = 33
Caption = 'BitBtn2'
Enabled = False
TabOrder = 0
end
end
object Panel1: TPanel
Left = 324
Top = 27

TabOrder = 4
end
object GlyphCheck: TCheckBox
Left = 327
Top = 137
Width = 104
Height = 17
Caption = 'View as Glyph'
TabOrder = 9
OnClick = GlyphCheckClick
end
object StretchCheck: TCheckBox
Left = 413
Top = 96
Width = 64
Height = 17
Caption = 'Stretch'
TabOrder = 11
OnClick = StretchCheckClick
end
object UpDownEdit: TEdit
Left = 439
Top = 286
Width = 24
Height = 21
TabOrder = 10
Text = '1'
OnChange = UpDownEditChange
end
object UpDown1: TUpDown
Left = 463
Top = 286
Width = 11
Height = 21
Associate = UpDownEdit
Position = 1
TabOrder = 12
end
End
////////////////////////////////////

TObject);
private
ThreadsRunning: Integer;
procedure RandomizeArrays;
procedure ThreadDone(Sender: TObject);
public
procedure PaintArray(Box: TPaintBox; const A: array of Integer);
end;
var
ThreadSortForm: TThreadSortForm;
implementation
uses SortThds;
{SR *.dfm}
type
PSortArray = ^TSortArray;
TSortArray = array[0..114] of Integer;
var
ArraysRandom: Boolean;
BubbleSortArray, SelectionSortArray, QuickSortArray: TSortArray;
{ TThreadSortForm }
procedure TThreadSortForm.PaintArray(Box: TPaintBox; const A: array of Integer);
var
I: Integer;
begin
with Box do
begin
Canvas.Pen.Color := clRed;
for I := Low(A) to High(A) do PaintLine(Canvas, I, A[I]);
end;
end;

الملف لبرنامج
(Threads)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit ThSort;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, ExtCtrls, StdCtrls;
type
TThreadSortForm = class(TForm)
StartBtn: TButton;
BubbleSortBox: TPaintBox;
SelectionSortBox: TPaintBox;
QuickSortBox: TPaintBox;
Label1: TLabel;
Bevel1: TBevel;
Bevel2: TBevel;
Bevel3: TBevel;
Label2: TLabel;
Label3: TLabel;
procedure BubbleSortBoxPaint(Sender: TObject);
procedure SelectionSortBoxPaint(Sender: TObject);
procedure QuickSortBoxPaint(Sender: TObject);
procedure FormCreate(Sender: TObject);
procedure StartBtnClick(Sender:

OnTerminate := ThreadDone;
StartBtn.Enabled := False;
end;
procedure
TThreadSortForm.RandomizeArray
s;
var
I: Integer;
begin
if not ArraysRandom then
begin
Randomize;
for I := Low(BubbleSortArray) to
High(BubbleSortArray) do
BubbleSortArray[I] :=
Random(170);
SelectionSortArray :=
BubbleSortArray;
QuickSortArray :=
BubbleSortArray;
ArraysRandom := True;
Repaint;
end;
end;
procedure
TThreadSortForm.ThreadDone(Sen
der: TObject);
begin
Dec(ThreadsRunning);
if ThreadsRunning = 0 then
begin
StartBtn.Enabled := True;
ArraysRandom := False;
end;
end;
end.
////////////////////////////////

procedure
TThreadSortForm.BubbleSortBoxP
aint(Sender: TObject);
begin
PaintArray(BubbleSortBox,
BubbleSortArray);
end;
procedure
TThreadSortForm.SelectionSortBox
Paint(Sender: TObject);
begin
PaintArray(SelectionSortBox,
SelectionSortArray);
end;
procedure
TThreadSortForm.QuickSortBoxPai
nt(Sender: TObject);
begin
PaintArray(QuickSortBox,
QuickSortArray);
end;
procedure
TThreadSortForm.FormCreate(Sen
der: TObject);
begin
RandomizeArrays;
end;
procedure
TThreadSortForm.StartBtnClick(Se
nder: TObject);
begin
RandomizeArrays;
ThreadsRunning := 3;
with
TBubbleSort.Create(BubbleSortBox
, BubbleSortArray) do
OnTerminate := ThreadDone;
with
TSelectionSort.Create(SelectionSort
Box, SelectionSortArray) do
OnTerminate := ThreadDone;
with
TQuickSort.Create(QuickSortBox,
QuickSortArray) do

Left = 192
Top = 24
Width = 177
Height = 233
end
object BubbleSortBox: TPaintBox
Left = 8
Top = 24
Width = 177
Height = 233
OnPaint = BubbleSortBoxPaint
end
object SelectionSortBox: TPaintBox
Left = 192
Top = 24
Width = 177
Height = 233
OnPaint = SelectionSortBoxPaint
end
object QuickSortBox: TPaintBox
Left = 376
Top = 24
Width = 177
Height = 233
OnPaint = QuickSortBoxPaint
end
object Label1: TLabel
Left = 8
Top = 8
Width = 55
Height = 13
Caption = 'Bubble Sort'
end
object Label2: TLabel
Left = 192
Top = 8
Width = 66
Height = 13
Caption = 'Selection Sort'
end
object Label3: TLabel
Left = 376
Top = 8
Width = 50
Height = 13
Caption = 'Quick Sort'
end

Objects
الملف لبرنامج
(Threads)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
object ThreadSortForm: TThreadSortForm
Left = 182
Top = 115
BorderStyle = bsDialog
Caption = 'Thread Sorting Demo'
ClientHeight = 295
ClientWidth = 562
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
object Bevel1: TBevel
Left = 8
Top = 24
Width = 177
Height = 233
end
object Bevel3: TBevel
Left = 376
Top = 24
Width = 177
Height = 233
end
object Bevel2: TBevel

public
{ Public declarations }
end;
var
Form1: TForm1;
implementation
{SR *.dfm}
<-----> procedure TForm1.FormCreate(Sender: TObject);
begin
Listbox1.Items := Screen.Fonts;
end;
<-----> procedure TForm1.ListBox1Click(Sender: TObject);
begin
FontLabel.Caption := ListBox1.Items[ListBox1.ItemIndex] ;
end;
<-----> procedure TForm1.DrawItem(Control: TWinControl; Index: Integer;
Rect: TRect; State: TOwnerDrawState);
begin
with ListBox1.Canvas do
begin
FillRect(Rect);
Font.Name := ListBox1.Items[Index];
Font.Size := 0; // use font's preferred size
TextOut(Rect.Left+1, Rect.Top+1, ListBox1.Items[Index]);
end;
end;
<-----> procedure TForm1.ListBox1MeasureItem(Cont rol: TWinControl; Index: Integer; var Height: Integer);

object StartBtn: TButton
Left = 480
Top = 264
Width = 75
Height = 25
Caption = 'Start Sorting'
TabOrder = 0
OnClick = StartBtnClick
end
end

الملف التنفيذي لبرنامج

8 procedures

Ownerlst)

إعداد

علاء الدين اللباد

هاتف ٠٩٤٤٥٧٥٣٧١

unit Fontlist;

interface

uses Windows, Classes, Graphics,
Forms, Controls, StdCtrls;

type

TForm1 = class(TForm)

ListBox1: TListBox;

Label1: TLabel;

FontLabel: TLabel;

<-----> procedure
FormCreate(Sender: TObject);<-----> procedure
ListBox1Click(Sender: TObject);<-----> procedure
DrawItem(Control: TWinControl;
Index: Integer; Rect: TRect;
State: TOwnerDrawState);<-----> procedure
ListBox1MeasureItem(Control:
TWinControl; Index: Integer;

var Height: Integer);

private

{ Private declarations }

Height = 16
Caption = 'System Fonts'
end
<-----> object FontLabel: TLabel
Left = 20
Top = 305
Width = 241
Height = 20
AutoSize = False
end
<-----> object ListBox1: TListBox
Left = 20
Top = 45
Width = 241
Height = 251
Style = lbOwnerDrawVariable
ItemHeight = 16
TabOrder = 0
OnClick = ListBox1Click
OnDrawItem = DrawItem
OnMeasureItem = ListBox1MeasureItem
end
end

begin
with ListBox1.Canvas do
begin
Font.Name := ListBox1.Items[Index];
Font.Size := 0; // use font's preferred size
Height := TextHeight('Wg') + 2; // measure ascenders and descenders
end;
end;
end.

<-----> objects4
الملف النصي لبرنامج
(---Ownerlst)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١

<-----> object Form1: TForm1
Left = 174
Top = 108
ActiveControl = ListBox1
BorderStyle = bsDialog
Caption = 'OwnerDraw'
ClientHeight = 359
ClientWidth = 276
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Scaled = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 16
<-----> object Label1: TLabel
Left = 20
Top = 20
Width = 81

StopBtn: TToolButton;
RefreshBtn: TToolButton;
ToolBar2: TToolBar;
ToolButton6: TToolButton;
ToolButton5: TToolButton;
ToolButton7: TToolButton;
ToolButton8: TToolButton;
Animate1: TAnimate;
URLs: TComboBox;
Help1: TMenuItem;
About1: TMenuItem;
ToolBar3: TMenuItem;
Statusbar2: TMenuItem;
Go1: TMenuItem;
Back1: TMenuItem;
Forward1: TMenuItem;
Stop1: TMenuItem;
Refresh1: TMenuItem;
N2: TMenuItem;
ActionList1: TActionList;
BackAction: TAction;
ForwardAction: TAction;
StopAction: TAction;
RefreshAction: TAction;
WebBrowser1: TWebBrowser;
<-----> procedure Exit1Click(Sender: TObject);
<-----> procedure About1Click(Sender: TObject);
<-----> procedure StopClick(Sender: TObject);
<-----> procedure URLsKeyDown(Sender: TObject; var Key: Word;
Shift: TShiftState);
<-----> procedure FormCreate(Sender: TObject);
<-----> procedure LinksClick(Sender: TObject);
<-----> procedure RefreshClick(Sender: TObject);
<-----> procedure BackClick(Sender: TObject);
<-----> procedure ForwardClick(Sender: TObject);
<-----> procedure FormDestroy(Sender: TObject);
<-----> procedure URLsClick(Sender: TObject);

الملف التنفيذي لبرنامج
procedure50
(---CoolStuf)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit Main;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
StdCtrls, ExtCtrls, Menus, ComCtrls, OleCtrls, Buttons, ToolWin, Isp3,
ActnList, ImgList, SHDocVw;
const
CM_HOMEPAGE_REQUEST = WM_USER + \$1000;
type
TMainForm = class(TForm)
StatusBar1: TStatusBar;
MainMenu1: TMainMenu;
File1: TMenuItem;
Exit1: TMenuItem;
View1: TMenuItem;
NavigatorImages: TImageList;
NavigatorHotImages: TImageList;
LinksImages: TImageList;
LinksHotImages: TImageList;
CoolBar1: TCoolBar;
ToolBar1: TToolBar;
BackBtn: TToolButton;
ForwardBtn: TToolButton;

TMainForm.Exit1Click(Sender: TObject);
begin
Close;
end;
<-----> procedure
TMainForm.FindAddress;
var
Flags: OLEVariant;
begin
Flags := 0;
UpdateCombo := True;
WebBrowser1.Navigate(WideString(
Urls.Text), Flags, Flags, Flags,
Flags);
end;
<-----> procedure
TMainForm.About1Click(Sender:
TObject);
begin
ShowAboutBox;
end;
<-----> procedure
TMainForm.StopClick(Sender:
TObject);
begin
WebBrowser1.Stop;
end;
<-----> procedure
TMainForm.URLsKeyDown(Sender
: TObject; var Key: Word;
Shift: TShiftState);
begin
if Key = VK_Return then
begin
FindAddress;
end;
end;
<-----> procedure
TMainForm.URLsClick(Sender:
TObject);
begin

<-----> procedure
FormKeyDown(Sender: TObject;
var Key: Word;
Shift: TShiftState);
<-----> procedure
Toolbar3Click(Sender: TObject);
<-----> procedure
Statusbar2Click(Sender: TObject);
<-----> procedure
BackActionUpdate(Sender:
TObject);
<-----> procedure
ForwardActionUpdate(Sender:
TObject);
<-----> procedure
WebBrowser1.BeforeNavigate2(Send
er: TObject);
const pDisp: IDispatch; var
URL, Flags, TargetFrameName,
PostData,
Headers: OleVariant; var
Cancel: WordBool);
<-----> procedure
WebBrowser1.DownloadBegin(Sende
r: TObject);
<-----> procedure
WebBrowser1.DownloadComplete(S
ender: TObject);
private
HistoryIndex: Integer;
HistoryList: TStringList;
UpdateCombo: Boolean;
<-----> procedure FindAddress;
<-----> procedure
HomePageRequest(var message:
tmessage); message
CM_HOMEPAGEREQUEST;
end;
var
MainForm: TMainForm;
implementation
uses About;
{SR *.dfm}
<-----> procedure

BackBtn.Enabled then
BackBtn.Click;
end;
<-----> procedure
TMainForm.Toolbar3Click(Sender:
TObject);
begin
with Sender as TMenuItem do
begin
Checked := not Checked;
Coolbar1.Visible := Checked;
end;
end;
<-----> procedure
TMainForm.Statusbar2Click(Sende
r: TObject);
begin
with Sender as TMenuItem do
begin
Checked := not Checked;
StatusBar1.Visible := Checked;
end;
end;
<-----> procedure
TMainForm.HomePageRequest(var
Message: TMessage);
begin
URLs.Text :=
'http://www.borland.com';
FindAddress;
end;
<-----> procedure
TMainForm.FormCreate(Sender:
TObject);
begin
HistoryIndex := -1;
HistoryList := TStringList.Create;
{ Load the animation from the AVI
file in the startup directory. An
alternative to this would be to
create a .RES file including the
cool.avi
as an AVI resource and use the
ResName or ResId properties of
Animat1 to

FindAddress;
end;
<-----> procedure
TMainForm.LinksClick(Sender:
TObject);
begin
if (Sender as TToolButton).Hint = ''
then Exit;
URLs.Text := (Sender as
TToolButton).Hint;
FindAddress;
end;
<-----> procedure
TMainForm.RefreshClick(Sender:
TObject);
begin
FindAddress;
end;
<-----> procedure
TMainForm.BackClick(Sender:
TObject);
begin
URLs.Text :=
HistoryList[HistoryIndex - 1];
FindAddress;
end;
<-----> procedure
TMainForm.ForwardClick(Sender:
TObject);
begin
URLs.Text :=
HistoryList[HistoryIndex + 1];
FindAddress;
end;
<-----> procedure
TMainForm.FormKeyDown(Sender
: TObject; var Key: Word;
Shift: TShiftState);
begin
if Shift = [ssAlt] then
if (Key = VK_RIGHT) and
ForwardBtn.Enabled then
ForwardBtn.Click
else if (Key = VK_LEFT) and

var
NewIndex: Integer;
begin
NewIndex :=
HistoryList.IndexOf(URL);
if NewIndex = -1 then
begin
{ Remove entries in HistoryList
between last address and current
address }
if (HistoryIndex >= 0) and
(HistoryIndex < HistoryList.Count -
1) then
while HistoryList.Count >
HistoryIndex do
HistoryList.Delete(HistoryIndex);
HistoryIndex :=
HistoryList.Add(URL);
end
else
HistoryIndex := NewIndex;
if UpdateCombo then
begin
UpdateCombo := False;
NewIndex :=
URLs.Items.IndexOf(URL);
if NewIndex = -1 then
URLs.Items.Insert(0, URL)
else
URLs.Items.Move(NewIndex, 0);
end;
URLs.Text := URL;
Statusbar1.Panels[0].Text := URL;
end;
<-----> procedure
TMainForm.WebBrowser1Downloa
dBegin(Sender: TObject);
begin
{ Turn the stop button dark red }
StopBtn.ImageIndex := 4;
{ Play the avi from the first frame
indefinitely }
Animate1.Active := True;
end;
<-----> procedure
TMainForm.WebBrowser1Downloa

point to it. }
Animate1.FileName :=
ExtractFilePath(Application.ExeNa
me) + 'cool.avi';
{ Find the home page - needs to be
posted because HTML control
hasn't been
registered yet. }
PostMessage(Handle,
CM_HOMEPAGEREQUEST, 0, 0);
end;
<-----> procedure
TMainForm.FormDestroy(Sender:
TObject);
begin
HistoryList.Free;
end;
<-----> procedure
TMainForm.BackActionUpdate(Sen
der: TObject);
begin
if HistoryList.Count > 0 then
BackAction.Enabled :=
HistoryIndex > 0
else
BackAction.Enabled := False;
end;
<-----> procedure
TMainForm.ForwardActionUpdate(
Sender: TObject);
begin
if HistoryList.Count > 0 then
ForwardAction.Enabled :=
HistoryIndex < HistoryList.Count -
1
else
ForwardAction.Enabled := False;
end;
<-----> procedure
TMainForm.WebBrowser1BeforeNa
vigate2(Sender: TObject);
const pDisp: IDispatch; var URL,
Flags, TargetFrameName, PostData,
Headers: OleVariant; var Cancel:
WordBool);

<-----> procedure ShowAboutBox;
begin
with
TAboutBox.Create(Application) do
try
ShowModal;
finally
Free;
end;
end;
<-----> procedure
TAboutBox.GetOSInfo;
var
Platform: string;
BuildNumber: Integer;
begin
case Win32Platform of
VER_PLATFORM_WIN32_WINDOWS:
begin
Platform := 'Windows 95';
BuildNumber :=
Win32BuildNumber and
\$0000FFFF;
end;
VER_PLATFORM_WIN32_NT:
begin
Platform := 'Windows NT';
BuildNumber :=
Win32BuildNumber;
end;
else
begin
Platform := 'Windows';
BuildNumber := 0;
end;
end;
if (Win32Platform =
VER_PLATFORM_WIN32_WINDOWS) or
(Win32Platform =
VER_PLATFORM_WIN32_NT)
then
begin
if Win32CSDVersion = '' then
OS.Caption := Format('%s
%d.%d (Build %d)', [Platform,

dComplete(Sender: TObject);
begin
{ Turn the stop button grey }
StopBtn.ImageIndex := 2;
{ Stop the avi and show the first
frame }
Animate1.Active := False;
end;
end.
//////////
unit About;
interface
uses
SysUtils, Windows, Messages,
Classes, Graphics, Controls,
Forms, Dialogs, StdCtrls, Buttons,
ExtCtrls;
type
TAboutBox = class(TForm)
OKButton: TButton;
Copyright: TLabel;
Bevel1: TBevel;
SKUName: TLabel;
Image2: TImage;
PhysMem: TLabel;
OS: TLabel;
Label3: TLabel;
Image1: TImage;
<-----> procedure
FormCreate(Sender: TObject);
private
<-----> procedure GetOSInfo;
<-----> procedure
InitializeCaptions;
end;
<-----> procedure ShowAboutBox;
implementation
uses ShellAPI;
{ \$R *.dfm }

علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> object MainForm: TMainForm Left = 173 Top = 148 Width = 503 Height = 370 Caption = 'Web Browser' Color = clBtnFace Font.Charset = DEFAULT_CHARSET Font.Color = clWindowText Font.Height = -11 Font.Name = 'MS Sans Serif' Font.Style = [] Menu = MainMenu1 OldCreateOrder = True Position = poScreenCenter Scaled = False ShowHint = True Visible = True OnCreate = FormCreate OnDestroy = FormDestroy OnKeyDown = FormKeyDown PixelsPerInch = 96 TextHeight = 13 <-----> object StatusBar1: TStatusBar Left = 0 Top = 297 Width = 495 Height = 19 Panels = < item Width = 50 end> end <-----> object CoolBar1: TCoolBar Left = 0 Top = 0 Width = 495 Height = 91 AutoSize = True Bands = <

Win32MajorVersion, Win32MinorVersion, BuildNumber]) else OS.Caption := Format('%s %d.%d (Build %d: %s)', [Platform, Win32MajorVersion, Win32MinorVersion, BuildNumber, Win32CSDVersion]); end else OS.Caption := Format('%s %d.%d', [Platform, Win32MajorVersion, Win32MinorVersion]) end; <-----> procedure TAboutBox.InitializeCaptions; var MS: TMemoryStatus; begin GetOSInfo; MS.dwLength := SizeOf(TMemoryStatus); GlobalMemoryStatus(MS); PhysMem.Caption := FormatFloat('#,###" KB"', MS.dwTotalPhys div 1024); end; <-----> procedure TAboutBox.FormCreate(Sender: TObject); begin InitializeCaptions; with Image2.Picture.Bitmap do Handle := CreateGrayMappedBmp(Handle); end; end.
--

Objects 46
الملف النصي لبرنامج
(--CoolStuf)
إعداد

ShowCaptions = True
TabOrder = 0
Transparent = True
Wrapable = False
<-----> object BackBtn:
TToolButton
Left = 0
Top = 0
Action = BackAction
end
<-----> object ForwardBtn:
TToolButton
Left = 45
Top = 0
Action = ForwardAction
end
<-----> object StopBtn:
TToolButton
Left = 90
Top = 0
Action = StopAction
end
<-----> object RefreshBtn:
TToolButton
Left = 135
Top = 0
Action = RefreshAction
end
end
<-----> object ToolBar2:
TToolBar
Left = 38
Top = 65
Width = 449
Height = 22
AutoSize = True
ButtonWidth = 94
EdgeBorders = []
Flat = True
HotImages = LinksHotImages
Images = LinksImages
List = True
ShowCaptions = True
TabOrder = 1
Transparent = True
Wrapable = False
<-----> object ToolButton6:
TToolButton

item
Break = False
Control = ToolBar1
ImageIndex = -1
MinHeight = 40
Width = 429
end
item
Break = False
Control = Animate1
FixedSize = True
ImageIndex = -1
MinHeight = 39
MinWidth = 60
Width = 60
end
item
Control = URLs
ImageIndex = -1
MinHeight = 21
Text = 'Address'
Width = 491
end
item
Control = ToolBar2
ImageIndex = -1
MinHeight = 22
Text = 'Links'
Width = 491
end>
ParentShowHint = False
Bitmap.Data = {
}
ShowHint = False
<-----> object ToolBar1:
TToolBar
Left = 9
Top = 0
Width = 416
Height = 40
AutoSize = True
ButtonHeight = 40
ButtonWidth = 45
EdgeBorders = []
Flat = True
HotImages =
NavigatorHotImages
Images = NavigatorImages

end
<-----> object URLs: TComboBox
Left = 51
Top = 42
Width = 436
Height = 21
Hint = 'URL'
ItemHeight = 13
TabOrder = 3
OnClick = URLsClick
OnKeyDown = URLsKeyDown
end
end
<-----> object WebBrowser1: TWebBrowser
Left = 0
Top = 91
Width = 495
Height = 206
Align = alClient
TabOrder = 2
OnDownloadBegin = WebBrowser1DownloadBegin
OnDownloadComplete = WebBrowser1DownloadComplete
OnBeforeNavigate2 = WebBrowser1BeforeNavigate2
ControlData = { }
end
<-----> object MainMenu1: TMainMenu
Left = 128
Top = 200
<-----> object File1: TMenuItem
Caption = '&File'
<-----> object Exit1: TMenuItem
Caption = 'E&xit'
OnClick = Exit1Click
end
end
<-----> object View1: TMenuItem
Caption = '&View'
<-----> object Toolbar3: TMenuItem

Left = 0
Top = 0
Hint = 'http://www.informant.com:80/delphi/'
Caption = 'Informant'
ImageIndex = 0
OnClick = LinksClick
end
<-----> object ToolButton5: TToolButton
Left = 94
Top = 0
Hint = 'http://www.delphi-jedi.org/'
Caption = 'Delphi Jedi'
ImageIndex = 1
OnClick = LinksClick
end
<-----> object ToolButton7: TToolButton
Left = 188
Top = 0
Hint = 'http://www.borland.com:80/delphi'
Caption = 'Product News'
ImageIndex = 2
OnClick = LinksClick
end
<-----> object ToolButton8: TToolButton
Left = 282
Top = 0
Hint = 'http://www.borland.com:80'
Caption = 'Borland'
ImageIndex = 3
OnClick = LinksClick
end
end
<-----> object Animate1: TAnimate
Left = 431
Top = 0
Width = 60
Height = 39
FileName = 'Cool.avi'
StopFrame = 13

Top = 104
Bitmap = {
end
<-----> object ActionList1:
TActionList
Images = NavigatorImages
Left = 80
Top = 160
<-----> object BackAction:
TAction
Caption = 'Back'
ImageIndex = 0
OnExecute = BackClick
OnUpdate = BackActionUpdate
end
<-----> object ForwardAction:
TAction
Caption = 'Forward'
Enabled = False
ImageIndex = 1
OnExecute = ForwardClick
OnUpdate = ForwardActionUpdate
end
<-----> object StopAction:
TAction
Caption = 'Stop'
ImageIndex = 2
OnExecute = StopClick
end
<-----> object RefreshAction:
TAction
Caption = 'Refresh'
ImageIndex = 3
OnExecute = RefreshClick
end
End
//////////
<-----> object AboutBox:
TAboutBox
Left = 142
Top = 116
BorderStyle = bsDialog
Caption = 'About Web Browser'
ClientHeight = 258
ClientWidth = 342

Caption = '&Toolbar'
Checked = True
OnClick = Toolbar3Click
end
<-----> object StatusBar2:
TMenuItem
Caption = 'Status &Bar'
Checked = True
OnClick = StatusBar2Click
end
<-----> object N2: TMenuItem
Caption = '-'
end
<-----> object Stop1:
TMenuItem
Action = StopAction
end
<-----> object Refresh1:
TMenuItem
Action = RefreshAction
end
end
<-----> object Go1: TMenuItem
Caption = '&Go'
<-----> object Back1:
TMenuItem
Action = BackAction
end
<-----> object Forward1:
TMenuItem
Action = ForwardAction
end
end
<-----> object Help1:
TMenuItem
Caption = '&Help'
<-----> object About1:
TMenuItem
Caption = '&About...'
OnClick = About1Click
end
end
end
<-----> object NavigatorImages:
TImageList
Height = 20
Width = 30
Left = 32

Transparent = True
end
<-----> object Label3: TLabel
Left = 86
Top = 184
Width = 145
Height = 13
Caption = 'Memory Available to Windows:'
end
<-----> object PhysMem: TLabel
Left = 323
Top = 184
Width = 6
Height = 13
Alignment = taRightJustify
Caption = '0'
end
<-----> object OS: TLabel
Left = 86
Top = 167
Width = 15
Height = 13
Caption = 'OS'
end
<-----> object Image1: TImage
Left = 9
Top = 11
Width = 60
Height = 39
AutoSize = True
Picture.Data = {
0000}
Transparent = True
end
<-----> object OKButton: TButton
Left = 256
Top = 223
Width = 75
Height = 25
Cancel = True
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 0
end
end

Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Copyright: TLabel
Left = 82
Top = 81
Width = 207
Height = 13
Caption = 'Copyright 1983 - 2002 Borland International'
Font.Charset = ANSI_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<-----> object Bevel1: TBevel
Left = 86
Top = 158
Width = 251
Height = 2
end
<-----> object SKUName: TLabel
Left = 82
Top = 57
Width = 97
Height = 16
Caption = 'Using Delphi 7.0'
Font.Charset = ANSI_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<-----> object Image2: TImage
Left = 76
Top = 13
Width = 170
Height = 35
AutoSize = True
Picture.Data = {
000}

Classes, Graphics, Controls, Forms, Dialogs,
StdCtrls, jpeg, ExtCtrls, FileCtrl, ComCtrls, Menus, printers;
type
TForm1 = class(TForm)
Panel1: TPanel;
DirectoryListBox1: TDirectoryListBox;
FileListBox1: TFileListBox;
Panel3: TPanel;
DriveComboBox1: TDriveComboBox;
Scale: TComboBox;
PixelFormat: TComboBox;
ColorSpace: TComboBox;
Performance: TComboBox;
ProgressiveDisplay: TCheckBox;
IncrementalDisplay: TCheckBox;
MainMenu1: TMainMenu;
File1: TMenuItem;
Open1: TMenuItem;
N1: TMenuItem;
Print1: TMenuItem;
PrinterSetup1: TMenuItem;
N2: TMenuItem;
Exit1: TMenuItem;
OpenDialog1: TOpenDialog;
PrinterSetupDialog1: TPrinterSetupDialog;
PrintDialog1: TPrintDialog;
ScrollBar1: TScrollBar;
Image1: TImage;
<----->procedure FileListBox1DbClick(Sender: TObject);
<----->procedure SetJPEGOptions(Sender: TObject);
<----->procedure FormCreate(Sender: TObject);
<----->procedure ProgressUpdate(Sender: TObject; Stage: TProgressStage; PercentDone: Byte; RedrawNow: Boolean; const R: TRect; const Msg: string);
<----->procedure Open1Click(Sender: TObject);

القسم الرابع المستكشف في دلفي

Procedures20
الملف التنفيذي لبرنامج
(Jpeg)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program jpegproj;
uses
Forms,
jpegdemo in 'jpegdemo.pas'
{Form1};
{SR *.RES}
begin
Application.Initialize;
Application.CreateForm(TForm1, Form1);
Application.Run;
end.
////////////////////////////////////
unit jpegdemo;
interface
uses
Windows, Messages, SysUtils,

var
Temp: Boolean;
begin
Temp := Image1.Picture.Graphic is TJPEGImage;
if Temp then
with
TJPEGImage(Image1.Picture.Grap hic) do
begin
PixelFormat := TJPEGPixelFormat(Self.PixelForma t.ItemIndex);
Scale := TJPEGScale(Self.Scale.ItemIndex);
Grayscale := Boolean(Colorspace.ItemIndex);
Performance := TJPEGPerformance(Self.Performan ce.ItemIndex);
ProgressiveDisplay := Self.ProgressiveDisplay.Checked;
end;
Scale.Enabled := Temp;
PixelFormat.Enabled := Temp;
Colorspace.Enabled := Temp;
Performance.Enabled := Temp;
ProgressiveDisplay.Enabled := Temp
and
TJPEGImage(Image1.Picture.Grap hic).ProgressiveEncoding;
Image1.IncrementalDisplay := IncrementalDisplay.Checked;
end;
<----->procedure
TForm1.FormCreate(Sender: TObject);
begin
Scale.ItemIndex := 0;
PixelFormat.ItemIndex := 0;
Colorspace.ItemIndex := 0;
Performance.ItemIndex := 0;
OpenDialog1.Filter := GraphicFilter(TGraphic);
FileListbox1.Mask := GraphicFileMask(TGraphic);
Image1.OnProgress :=

<----->procedure
Print1Click(Sender: TObject);
<----->procedure
PrinterSetup1Click(Sender: TObject);
<----->procedure
Exit1Click(Sender: TObject);
<----->procedure
ScrollBar1Click(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
<----->procedure OpenFile(const Filename: string);
end;
var
Form1: TForm1;
implementation
{SR *.DFM}
<----->procedure
TForm1.OpenFile(const Filename: string);
begin
try
Image1.Picture.LoadFromFile(Filen ame);
except
on EInvalidGraphic do
Image1.Picture.Graphic := nil;
end;
SetJPEGOptions(self);
end;
<----->procedure
TForm1.FileListBox1DbClick(Send er: TObject);
begin
OpenFile(FileListbox1.Filename);
end;
<----->procedure
TForm1.SetJPEGOptions(Sender: TObject);

begin
if OutputWidth < OutputHeight
then
begin
OutputHeight :=
Printer.PageHeight;
OutputWidth := OutputHeight
* AspectRatio;
end
else
begin
OutputWidth :=
Printer.PageWidth;
OutputHeight := OutputWidth /
AspectRatio;
end
end;
if OutputWidth >
Printer.PageWidth then
begin
OutputWidth :=
Printer.PageWidth;
OutputHeight := OutputWidth /
AspectRatio;
end;
if OutputHeight >
Printer.PageHeight then
begin
OutputHeight :=
Printer.PageHeight;
OutputWidth := OutputHeight *
AspectRatio;
end;
Printer.Canvas.StretchDraw(Rect(0,
0,
Trunc(OutputWidth),
Trunc(OutputHeight)),
Image1.Picture.Graphic);
finally
Printer.EndDoc;
end;
end;
<----->procedure
TForm1.PrinterSetup1Click(Sender:
TObject);
begin
PrinterSetupDialog1.Execute;

ProgressUpdate;
end;
<----->procedure
TForm1.ProgressUpdate(Sender:
TObject; Stage: TProgressStage;
PercentDone: Byte; RedrawNow:
Boolean; const R: TRect; const Msg:
string);
begin
if Stage = psRunning then
Caption :=
Format('%d%%',[PercentDone])
else
Caption := 'Form1';
end;
<----->procedure
TForm1.Open1Click(Sender:
TObject);
begin
if OpenFileDialog1.Execute then
OpenFile(OpenDialog1.FileName);
end;
<----->procedure
TForm1.Print1Click(Sender:
TObject);
var
AspectRatio: Single;
OutputWidth, OutputHeight:
Single;
begin
if not PrintDialog1.Execute then
Exit;
Printer.BeginDoc;
try
OutputWidth :=
Image1.Picture.Width;
OutputHeight :=
Image1.Picture.Height;
AspectRatio := OutputWidth /
OutputHeight;
if (OutputWidth <
Printer.PageWidth) and
(OutputHeight <
Printer.PageHeight) then

Top = 27
Width = 124
Height = 349
Align = alLeft
TabOrder = 0
<----->Object DirectoryListBox1: TDirectoryListBox
Left = 1
Top = 1
Width = 122
Height = 79
Align = alTop
Ctl3D = True
FileList = FileListBox1
ItemHeight = 16
ParentCtl3D = False
TabOrder = 0
end
<----->Object FileListBox1: TFileListBox
Left = 1
Top = 80
Width = 122
Height = 268
Align = alClient
ItemHeight = 13
TabOrder = 1
OnClick = FileListBox1DbClick
end
end
<----->Object Panel3: TPanel
Left = 0
Top = 0
Width = 488
Height = 27
Align = alTop
TabOrder = 1
<----->Object DriveComboBox1: TDriveComboBox
Left = 7
Top = 3
Width = 117
Height = 19
DirList = DirectoryListBox1
TabOrder = 0
end
<----->Object Scale: TComboBox
Left = 127

end;
<----->procedure TForm1.Exit1Click(Sender: TObject);
begin
Close;
end;
<----->procedure TForm1.ScrollBox1Click(Sender: TObject);
begin
end;

<----->Objects26
الملف النصي لبرنامج
(Jpeg)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<----->Object Form1: TForm1
Left = 225
Top = 115
AutoScroll = False
Caption = 'Form1'
ClientHeight = 376
ClientWidth = 488
Color = clBtnFace
Font.Charset = ANSI_CHARSET
Font.Color = clWindowText
Font.Height = -10
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu1
OldCreateOrder = True
Position = poDefaultPosOnly
ShowHint = True
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<----->Object Panel1: TPanel
Left = 0

TComboBox
Left = 283
Top = 3
Width = 75
Height = 21
Hint = 'Performance'
Style = csDropDownList
Enabled = False
ItemHeight = 13
TabOrder = 4
OnClick = SetJPEGOptions
Items.Strings = ('Quality' 'Speed')
end
<----->Object ProgressiveDisplay:
TCheckBox
Left = 364
Top = 1
Width = 124
Height = 14
Caption = 'Progressive JPEG'
Enabled = False
Font.Charset = ANSI_CHARSET
Font.Color = clWindowText
Font.Height = -9
Font.Name = 'arial'
Font.Style = []
ParentFont = False
TabOrder = 5
OnClick = SetJPEGOptions
end
<----->Object IncrementalDisplay: TCheckBox
Left = 364
Top = 12
Width = 137
Height = 14
Caption = 'Incremental Display'
Font.Charset = ANSI_CHARSET
Font.Color = clWindowText
Font.Height = -9
Font.Name = 'Arial'
Font.Style = []
ParentFont = False
TabOrder = 6

Top = 3
Width = 36
Height = 21
Hint = 'Scale'
Style = csDropDownList
Enabled = False
ItemHeight = 13
TabOrder = 1
OnClick = SetJPEGOptions
Items.Strings = ('1:1' '1:2' '1:4' '1:8')
end
<----->Object PixelFormat:
TComboBox
Left = 166
Top = 3
Width = 49
Height = 21
Hint = 'Pixel Format'
Style = csDropDownList
Enabled = False
ItemHeight = 13
TabOrder = 2
OnClick = SetJPEGOptions
Items.Strings = ('24 bit' '8 bit')
end
<----->Object ColorSpace:
TComboBox
Left = 218
Top = 3
Width = 62
Height = 21
Hint = 'Color space'
Style = csDropDownList
Enabled = False
ItemHeight = 13
TabOrder = 3
OnClick = SetJPEGOptions
Items.Strings = ('RGB' 'Grayscale')
end
<----->Object Performance:

ShortCut = 32856
OnClick = Exit1Click
end
end
end
<----->Object OpenFileDialog1: TOpenDialog
Options = [ofPathMustExist, ofFileMustExist]
Left = 160
Top = 225
end
<----->Object PrinterSetupDialog1: TPrinterSetupDialog
Left = 168
Top = 305
end
<----->Object PrintDialog1: TPrintDialog
Left = 96
Top = 377
end
end

end
end
<----->Object ScrollBox1: TScrollBox
Left = 124
Top = 27
Width = 364
Height = 349
Align = alClient
TabOrder = 2
<----->Object Image1: TImage
Left = 0
Top = 0
Width = 85
Height = 85
AutoSize = True
end
end
<----->Object MainMenu1: TMainMenu
Left = 152
Top = 145
<----->Object File1: TMenuItem
Caption = '&File'
<----->Object Open1: TMenuItem
Caption = '&Open...'
ShortCut = 114
OnClick = Open1Click
end
<----->Object N1: TMenuItem
Caption = '-'
end
<----->Object Print1: TMenuItem
Caption = '&Print'
OnClick = Print1Click
end
<----->Object PrinterSetup1: TMenuItem
Caption = 'Printer &Setup...'
OnClick = PrinterSetup1Click
end
<----->Object N2: TMenuItem
Caption = '-'
end
<----->Object Exit1: TMenuItem
Caption = 'E&xit'

Attributes: Integer;
ModDate: string;
end;
TForm1 = class(TForm)
Listview: TListView;
CoolBar1: TCoolBar;
ToolBar2: TToolBar;
ToolBarImages: TImageList;
btnBrowse: TToolButton;
btnLargeIcons: TToolButton;
btnSmallIcons: TToolButton;
btnList: TToolButton;
btnReport: TToolButton;
cbPath: TComboBox;
ToolButton3: TToolButton;
PopupMenu1: TPopupMenu;
btnBack: TToolButton;
<-----> procedure FormCreate(Sender: TObject);
<-----> procedure ListViewData(Sender: TObject; Item: TListItem);
<-----> procedure btnBrowseClick(Sender: TObject);
<-----> procedure cbPathKeyDown(Sender: TObject; var Key: Word; Shift: TShiftState);
<-----> procedure cbPathClick(Sender: TObject);
<-----> procedure btnLargeIconsClick(Sender: TObject);
<-----> procedure ListViewDblClick(Sender: TObject);
<-----> procedure ListViewDataHint(Sender: TObject; StartIndex, EndIndex: Integer);
<-----> procedure ListViewKeyDown(Sender: TObject; var Key: Word; Shift: TShiftState);
<-----> procedure ListViewDataFind(Sender: TObject; Find: TItemFind; const FindString: String; const FindPosition: TPoint;

الملف التنفيذي لبرنامج
Virtual Listview
Procedure40
)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit VListView;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
ComCtrls, StdCtrls, ToolWin, ShellObj, ImgList, Menus;
type
PShellItem = ^TShellItem;
TShellItem = record
FullID,
ID: PItemIDList;
Empty: Boolean;
DisplayName,
TypeName: string;
ImageIndex,
Size,

uses ShellAPI, ActiveX, ComObj, CommCtrl, FileCtrl;
//PIDL MANIPULATION
<-----> procedure DisposePIDL(ID: PItemIDList);
var
Malloc: IMalloc;
begin
if ID = nil then Exit;
OLECheck(SHGetMalloc(Malloc));
Malloc.Free(ID);
end;
function CopyITEMID(Malloc: IMalloc; ID: PItemIDList): PItemIDList;
begin
Result := Malloc.Alloc(ID^.mkid.cb + SizeOf(ID^.mkid.cb));
CopyMemory(Result, ID, ID^.mkid.cb + SizeOf(ID^.mkid.cb));
end;
function NextPIDL(IDList: PItemIDList): PItemIDList;
begin
Result := IDList;
Inc(PChar(Result), IDList^.mkid.cb);
end;
function GetPIDLSize(IDList: PItemIDList): Integer;
begin
Result := 0;
if Assigned(IDList) then
begin
Result := SizeOf(IDList^.mkid.cb);
while IDList^.mkid.cb <> 0 do
begin
Result := Result + IDList^.mkid.cb;
IDList := NextPIDL(IDList);
end;

FindData: Pointer; StartIndex: Integer; Direction: TSearchDirection;
Wrap: Boolean; var Index: Integer);
<-----> procedure ListViewCustomDrawItem(Sender: TCustomListView;
Item: TListItem; State: TCustomDrawState; var DefaultDraw: Boolean);
<-----> procedure ListViewCustomDrawSubItem(Send er: TCustomListView;
Item: TListItem; SubItem: Integer; State: TCustomDrawState; var DefaultDraw: Boolean);
<-----> procedure btnBackClick(Sender: TObject);
<-----> procedure Form1Close(Sender: TObject; var Action: TCloseAction);
private
FPIDL: PItemIDList;
FIDList: TList;
FIShellFolder,
FIDesktopFolder: IShellFolder;
FPath: string;
<-----> procedure SetPath(const Value: string); overload;
<-----> procedure SetPath(ID: PItemIDList); overload;
<-----> procedure PopulateIDList(ShellFolder: IShellFolder);
<-----> procedure ClearIDList;
<-----> procedure CheckShellItems(StartIndex, EndIndex: Integer);
function ShellItem(Index: Integer): PShellItem;
end;
var
Form1: TForm1;
implementation
{SR *.dfm}

if Assigned(Result) then
CopyMemory(Result, IDList,
Size);
end;
function ConcatPIDLs(IDList1,
IDList2: PItemIDList):
PItemIDList;
var
cb1, cb2: Integer;
begin
if Assigned(IDList1) then
cb1 := GetPIDLSize(IDList1) -
SizeOf(IDList1^.mkid.cb)
else
cb1 := 0;
cb2 := GetPIDLSize(IDList2);
Result := CreatePIDL(cb1 + cb2);
if Assigned(Result) then
begin
if Assigned(IDList1) then
CopyMemory(Result, IDList1,
cb1);
CopyMemory(PChar(Result) +
cb1, IDList2, cb2);
end;
end;
//SHELL FOLDER ITEM INFO
function
GetDisplayName(ShellFolder:
IShellFolder; PIDL: PItemIDList;
 ForParsing: Boolean):
string;
var
StrRet: TStrRet;
P: PChar;
Flags: Integer;
begin
Result := '';
if ForParsing then
Flags := SHGDN_FORPARSING
else
Flags := SHGDN_NORMAL;

end;
end;
<-----> procedure
StripLastID(IDList: PItemIDList);
var
MarkerID: PItemIDList;
begin
MarkerID := IDList;
if Assigned(IDList) then
begin
while IDList.mkid.cb <> 0 do
begin
MarkerID := IDList;
IDList := NextPIDL(IDList);
end;
MarkerID.mkid.cb := 0;
end;
end;
function CreatePIDL(Size: Integer):
PItemIDList;
var
Malloc: IMalloc;
HR: HRESULT;
begin
Result := nil;
HR := SHGetMalloc(Malloc);
if Failed(HR) then
Exit;
try
Result := Malloc.Alloc(Size);
if Assigned(Result) then
FillChar(Result^, Size, 0);
finally
end;
end;
function CopyPIDL(IDList:
PItemIDList): PItemIDList;
var
Size: Integer;
begin
Size := GetPIDLSize(IDList);
Result := CreatePIDL(Size);

var
Flags: UINT;
begin
Flags := SFGAO_FOLDER;
ShellFolder.GetAttributesOf(1, ID, Flags);
Result := SFGAO_FOLDER and Flags <> 0;
end;
function ListSortFunc(Item1, Item2: Pointer): Integer;
begin
Result :=
SmallInt(Form1.FIShellFolder.CompareIDs(
0,
PShellItem(Item1).ID,
PShellItem(Item2).ID
));
end;
{TForm1}
//GENERAL FORM METHODS
<-----> procedure
TForm1.FormCreate(Sender: TObject);
var
FileInfo: TSHFileInfo;
ImageListHandle: THandle;
NewPIDL: PItemIDList;
begin
OLECheck(SHGetDesktopFolder(FI DesktopFolder));
FIShellFolder := FIDesktopFolder;
FIDList := TList.Create;
ImageListHandle :=
SHGetFileInfo('C:\',
0,
FileInfo,
SizeOf(FileInfo),
SHGFI_SYSICONINDEX or
SHGFI_SMALLICON);
SendMessage(ListView.Handle,

ShellFolder.GetDisplayNameOf(PIDL, Flags, StrRet);
case StrRet.uType of
STRRET_CSTR:
SetString(Result, StrRet.cStr, IStrLen(StrRet.cStr));
STRRET_OFFSET:
begin
P :=
@PIDL.mkid.abID[StrRet.uOffset - SizeOf(PIDL.mkid.cb)];
SetString(Result, P, PIDL.mkid.cb - StrRet.uOffset);
end;
STRRET_WSTR:
Result := StrRet.pOleStr;
end;
end;
function GetShellImage(PIDL: PItemIDList; Large, Open: Boolean): Integer;
var
FileInfo: TSHFileInfo;
Flags: Integer;
begin
FillChar(FileInfo, SizeOf(FileInfo), #0);
Flags := SHGFI_PIDL or SHGFI_SYSICONINDEX or SHGFI_ICON;
if Open then Flags := Flags or SHGFI_OPENICON;
if Large then Flags := Flags or SHGFI_LARGEICON
else Flags := Flags or SHGFI_SMALLICON;
SHGetFileInfo(PChar(PIDL),
0,
FileInfo,
SizeOf(FileInfo),
Flags);
Result := FileInfo.iIcon;
end;
function IsFolder(ShellFolder: IShellFolder; ID: PItemIDList): Boolean;

<code>cbPath.Text[Length(cbPath.Text)] = ':' then</code>
<code> cbPath.Text := cbPath.Text + '\';</code>
<code> SetPath(cbPath.Text);</code>
<code> Key := 0;</code>
<code>end;</code>
<code>end;</code>
<code><-----> procedure</code>
<code> TForm1.cbPathClick(Sender: TObject);</code>
<code> var</code>
<code> I: Integer;</code>
<code> begin</code>
<code> I :=</code>
<code> cbPath.Items.IndexOf(cbPath.Text);</code>
<code> if I >= 0 then</code>
<code> SetPath(PItemIDList(cbPath.Items.Objects[I]))</code>
<code> else</code>
<code> SetPath(cbPath.Text);</code>
<code> end;</code>
<code><-----> procedure</code>
<code> TForm1.btnLargeIconsClick(Sender : TObject);</code>
<code> begin</code>
<code> ListView.ViewStyle :=</code>
<code> TViewStyle((Sender as TComponent).Tag);</code>
<code> end;</code>
<code><-----> procedure</code>
<code> TForm1.ListViewDbClick(Sender: TObject);</code>
<code> var</code>
<code> RootPIDL,</code>
<code> ID: PItemIDList;</code>
<code> begin</code>
<code> if ListView.Selected <> nil then</code>
<code> begin</code>
<code> ID :=</code>
<code> ShellItem(ListView.Selected.Index).ID;</code>
<code> if not IsFolder(FIShellFolder, ID)</code>
<code> then Exit;</code>
<code> RootPIDL :=</code>
<code> ConcatPIDLs(FPIDL, ID);</code>

<code>LVM_SETIMAGELIST,</code>
<code>LVSIL_SMALL, ImageListHandle);</code>
<code> ImageListHandle :=</code>
<code> SHGetFileInfo('C:\',</code>
<code> 0,</code>
<code> FileInfo,</code>
<code> SizeOf(FileInfo),</code>
<code> SHGFI_SYSICONINDEX or</code>
<code> SHGFI_LARGEICON);</code>
<code> SendMessage(ListView.Handle,</code>
<code> LVM_SETIMAGELIST,</code>
<code> LVSIL_NORMAL,</code>
<code> ImageListHandle);</code>
<code> OLECheck(</code>
<code> SHGetSpecialFolderLocation(</code>
<code> Application.Handle,</code>
<code> CSIDL_DRIVES,</code>
<code> NewPIDL)</code>
<code>);</code>
<code> SetPath(NewPIDL);</code>
<code> ActiveControl := cbPath;</code>
<code> cbPath.SelStart := 0;</code>
<code> cbPath.SelLength :=</code>
<code> Length(cbPath.Text);</code>
<code> end;</code>
<code><-----> procedure</code>
<code> TForm1.btnBrowseClick(Sender: TObject);</code>
<code> var</code>
<code> S: string;</code>
<code> begin</code>
<code> S := '';</code>
<code> if SelectDirectory('Select</code>
<code> Directory', '', S) then</code>
<code> SetPath(S);</code>
<code> end;</code>
<code><-----> procedure</code>
<code> TForm1.cbPathKeyDown(Sender: TObject; var Key: Word;</code>
<code> Shift: TShiftState);</code>
<code> begin</code>
<code> if Key = VK_RETURN then</code>
<code> begin</code>
<code> if</code>

```

EnumList: IEnumIDList;
NumIDs: LongWord;
SaveCursor: TCursor;
ShellItem: PShellItem;
begin
SaveCursor := Screen.Cursor;
try
Screen.Cursor := crHourglass;
OleCheck(
ShellFolder.EnumObjects(
Application.Handle,
Flags,
EnumList)
);
FIShellFolder := ShellFolder;
ClearIDList;
while EnumList.Next(1, ID,
NumIDs) = S_OK do
begin
ShellItem := New(PShellItem);
ShellItem.ID := ID;
ShellItem.DisplayName :=
GetDisplayName(FIShellFolder, ID,
False);
ShellItem.Empty := True;
FIDList.Add(ShellItem);
end;
FIDList.Sort(ListSortFunc);

//We need to tell the ListView how
many items it has.
ListView.Items.Count :=
FIDList.Count;

ListView.Repaint;
finally
Screen.Cursor := SaveCursor;
end;
end;

<-----> procedure
 TForm1.SetPath(const Value:
string);
var
P: PWideChar;
NewPIDL: PItemIDList;

```

```

SetPath(RootPIDL);
end;
end;

function TForm1.ShellItem(Index:
Integer): PShellItem;
begin
Result :=
PShellItem(FIDList[Index]);
end;

<-----> procedure
 TForm1.ListViewKeyDown(Sender:
TObject; var Key: Word;
Shift: TShiftState);
begin
case Key of
VK_RETURN:
ListViewDbClick(Sender);
VK_BACK:
btnBackClick(Sender);
end;
end;

//SHELL-RELATED ROUTINES.

<-----> procedure
 TForm1.ClearIDList;
var
I: Integer;
begin
for I := 0 to FIDList.Count-1 do
begin
DisposePIDL(ShellItem(I).ID);
Dispose(ShellItem(I));
end;
FIDList.Clear;
end;

<-----> procedure
 TForm1.PopulateIDList(ShellFolder
: IShellFolder);
const
Flags = SHCONTF_FOLDERS or
SHCONTF_NONFOLDERS or
SHCONTF_INCLUDEHIDDEN;
var
ID: PItemIDList;

```

cbPath.Text := cbPath.Items[0];
end
else begin
cbPath.ItemIndex := Index;
cbPath.Text :=
cbPath.Items[cbPath.ItemIndex];
end;
if ListView.Items.Count > 0 then
begin
ListView.Selected :=
ListView.Items[0];
ListView.Selected.Focused :=
True;
ListView.Selected.MakeVisible(False
);
end;
finally
ListView.Items.EndUpdate;
end;
end;
//ROUTINES FOR MANAGING
VIRTUAL DATA
<-----> procedure
TForm1.CheckShellItems(StartIndex,
EndIndex: Integer);
function ValidFileTime(FileTime:
TFileTime): Boolean;
begin
Result :=
(FileTime.dwLowDateTime <> 0) or
(FileTime.dwHighDateTime <> 0);
end;
var
FileData: TWin32FindData;
FileInfo: TSHFileInfo;
SysTime: TSystemTime;
I: Integer;
LocalFileTime: TFILETIME;
begin
//Here all the data that wasn't
initialized in PopulateIDList is
//filled in.
for I := StartIndex to EndIndex do

Flags,
NumChars: LongWord;
begin
NumChars := Length(Value);
Flags := 0;
P := StringToOleStr(Value);
OLECheck(
FIDesktopFolder.ParseDisplayName
(
Application.Handle,
nil,
P,
NumChars,
NewPIDL,
Flags)
);
SetPath(NewPIDL);
end;
<-----> procedure
TForm1.SetPath(ID: PItemIDList);
var
Index: Integer;
NewShellFolder: IShellFolder;
begin
OLECheck(
FIDesktopFolder.BindToObject(
ID,
nil,
IID IShellFolder,
Pointer(NewShellFolder))
);
ListView.Items.BeginUpdate;
try
PopulateIDList(NewShellFolder);
FPIDL := ID;
FPath :=
GetDisplayName(FIDesktopFolder,
FPIDL, True);
Index :=
cbPath.Items.IndexOf(FPath);
if (Index < 0) then
begin
cbPath.Items.InsertObject(0,
FPath, Pointer(FPIDL));

```

me, SysTime) then
  try
    ModDate :=
    DateTimeToStr(SystemTimeToDate
    Time(SysTime))
  except
    on EConvertError do
    ModDate := "";
  end
  else
    ModDate := "";
  //Attributes
  Attributes :=
  FileData.dwFileAttributes;
  //Flag this record as complete.
  Empty := False;
end;
end;
end;

<-----> procedure
TForm1.ListViewDataHint(Sender:
TObject; StartIndex,
EndIndex: Integer);
begin
  //OnDataHint is called before
  OnData. This gives you a chance to
  //initialize only the data structures
  that need to be drawn.
  //You should keep track of which
  items have been initialized so no
  //extra work is done.
  if (StartIndex > FIDList.Count) or
  (EndIndex > FIDList.Count) then
  Exit;
  CheckShellItems(StartIndex,
  EndIndex);
end;

<-----> procedure
TForm1.ListViewData(Sender:
TObject; Item: TListItem);
var
  Attrs: string;
begin
  //OnData gets called once for each
  item for which the ListView needs

```

```

begin
  if ShellItem(I)^.Empty then
  with ShellItem(I)^ do
    begin
      FullID := ConcatPIDLs(FPIDL,
      ID);
      ImageIndex :=
      GetShellImage(FullID,
      ListView.ViewStyle = vsIcon, False);
      //File Type
      SHGetFileInfo(
      PChar(FullID),
      0,
      FileInfo,
      SizeOf(FileInfo),
      SHGFI_TYPENAME or
      SHGFI_PIDL
      );
      TypeName :=
      FileInfo.szTypeName;
      //Get File info from Windows
      FillChar(FileData,
      SizeOf(FileData), #0);
      SHGetDataFromIDList(
      FShellFolder,
      ID,
      SHGDFIL_FINDDATA,
      @FileData,
      SizeOf(FileData)
      );
      //File Size, in KB
      Size := (FileData.nFileSizeLow +
      1023 ) div 1024;
      if Size = 0 then Size := 1;
      //Modified Date
      FillChar(LocalFileTime,
      SizeOf(TFileTime), #0);
      with FileData do
        if
          ValidFileTime(ftLastWriteTime)
          and
          FileTimeToLocalFileTime(ftLastWr
          iteTime, LocalFileTime)
          and
          FileTimeToSystemTime(LocalFileTi

```

FindPosition: TPoint; FindData: Pointer;	//data. If the ListView is in Report View, be sure to add the subitems.
StartIndex: Integer; Direction: TSearchDirection; Wrap: Boolean;	//Item is a "dummy" item whose only valid data is it's index which
var Index: Integer);	//is used to index into the underlying data.
//OnDataFind gets called in response to calls to FindCaption, FindData,	if (Item.Index > FIDList.Count) then Exit;
//GetNearestItem, etc. It also gets called for each keystroke sent to the	with ShellItem(Item.Index)^ do
//ListView (for incremental searching)	begin
var	Item.Caption := DisplayName;
I: Integer;	Item.ImageIndex := ImageIndex;
Found: Boolean;	if ListView.ViewStyle <> vsReport then Exit;
begin	if not IsFolder(FIShellFolder, ID) then
I := StartIndex;	Item.SubItems.Add(Format('%dKB', [Size]))
if (Find = ifExactString) or (Find = ifPartialString) then	else
begin	Item.SubItems.Add('');
repeat	Item.SubItems.Add(TypeName);
if (I = FIDList.Count-1) then	try
if Wrap then I := 0 else Exit;	Item.SubItems.Add(ModDate);
Found :=	except
Pos(UpperCase(FindString),	end;
UpperCase(ShellItem(I)^.DisplayName)) = 1;	if Bool(Attributes and FILE_ATTRIBUTE_READONLY) then Attrs := Attrs + 'R';
Inc(I);	if Bool(Attributes and FILE_ATTRIBUTE_HIDDEN) then Attrs := Attrs + 'H';
until Found or (I = StartIndex);	if Bool(Attributes and FILE_ATTRIBUTE_SYSTEM) then Attrs := Attrs + 'S';
if Found then Index := I-1;	if Bool(Attributes and FILE_ATTRIBUTE_ARCHIVE) then Attrs := Attrs + 'A';
end;	end;
end;	Item.SubItems.Add(Attrs);
<-----> procedure	end;
TForm1.ListViewCustomDrawItem(	<-----> procedure
Sender: TCustomListView;	TForm1.ListViewDataFind(Sender: TObject; Find: TItemFind;
Item: TListItem; State: TCustomDrawState; var	const FindString: String; const
DefaultDraw: Boolean);	
var	
Attrs: Integer;	
begin	
if Item = nil then Exit;	
Attrs :=	
ShellItem(Item.Index).Attributes;	
if Bool(Attrs and FILE_ATTRIBUTE_READONLY) then	
ListView.Canvas.Font.Color := clGrayText;	

<-----> object s14
الملف النصي لبرنامج
Virtual Listview)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> object Form1: TForm1
Left = 174
Top = 113
Width = 569
Height = 448
Caption = 'Virtual List View Demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
Visible = True
OnClose = Form1Close
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object ListView: TListView
Left = 0
Top = 56
Width = 561
Height = 358
Align = alClient
Columns = <
item
Caption = 'Name'
Width = 175
end
item
Alignment = taRightJustify
Caption = 'Size'
Width = 75
end
item
Caption = 'Type'
Width = 150
end
item

if Bool(Attrs and FILE_ATTRIBUTE_HIDDEN) then
ListView.Canvas.Font.Style := ListView.Canvas.Font.Style + [fsStrikeOut];
if Bool(Attrs and FILE_ATTRIBUTE_SYSTEM) then
Listview.Canvas.Font.Color := clHighlight;
end;
<-----> procedure TForm1.ListViewCustomDrawSubIt em(Sender: TCustomListView; Item: TListItem; SubItem: Integer; State: TCustomDrawState; var DefaultDraw: Boolean);
begin
if SubItem = 0 then Exit;
ListView.Canvas.Font.Color := GetSysColor(COLOR_WINDOWTEXT);
//workaround for Win98 bug.
end;
<-----> procedure TForm1.btnBackClick(Sender: TObject);
var
Temp: PItemIDList;
begin
Temp := CopyPIDL(FPIDL);
if Assigned(Temp) then
StripLastID(Temp);
if Temp.mkid.cb <> 0 then
SetPath(Temp)
else
Beep;
end;
<-----> procedure TForm1.Form1Close(Sender: TObject; var Action: TCloseAction);
begin
ClearIDList;
FIDList.Free;
end;
end.

AutoSize = True
ButtonHeight = 27
ButtonWidth = 28
Caption = 'ToolBar2'
Flat = True
Images = ToolbarImages
TabOrder = 0
<-----> object btnBrowse:
TToolButton
Left = 0
Top = 0
Caption = 'btnBrowse'
ImageIndex = 0
OnClick = btnBrowseClick
end
<-----> object btnBack:
TToolButton
Left = 28
Top = 0
Caption = 'btnBack'
ImageIndex = 5
OnClick = btnBackClick
end
<-----> object ToolButton3:
TToolButton
Left = 56
Top = 0
Width = 8
Caption = 'ToolButton3'
ImageIndex = 5
Style = tbsSeparator
end
<-----> object btnLargeIcons:
TToolButton
Left = 64
Top = 0
Caption = 'btnLargeIcons'
Grouped = True
ImageIndex = 1
Style = tbsCheck
OnClick = btnLargeIconsClick
end
<-----> object btnSmallIcons:
TToolButton
Tag = 1
Left = 92
Top = 0
Caption = 'btnSmallIcons'

Caption = 'Modified'
Width = 100
end
item
Alignment = taRightJustify
Caption = 'Attributes'
Width = 75
end>
OwnerData = True
ReadOnly = True
TabOrder = 0
ViewStyle = vsReport
OnCustomDrawItem =
ListViewCustomDrawItem
OnCustomDrawSubItem =
ListViewCustomDrawSubItem
OnData = ListViewData
OnDataFind = ListViewDataFind
OnDataHint = ListViewDataHint
OnDbClick = ListViewDbClick
OnKeyDown = ListViewKeyDown
end
<-----> object CoolBar1:
TCoolBar
Left = 0
Top = 0
Width = 561
Height = 56
AutoSize = True
Bands = <
item
Control = ToolBar2
ImageIndex = -1
MinHeight = 29
Width = 557
end
item
Control = cbPath
ImageIndex = -1
MinHeight = 21
Width = 557
end>
<-----> object ToolBar2:
TToolBar
Left = 9
Top = 0
Width = 544
Height = 29

00000000000000000000000000000000}
end
<-----> object PopupMenu1:
TPopupMenu
Left = 160
Top = 128
end
end

Grouped = True
ImageIndex = 2
Style = tbsCheck
OnClick = btnLargeIconsClick
end
<-----> object btnList:
TToolButton
Tag = 2
Left = 120
Top = 0
Caption = 'btnList'
Grouped = True
ImageIndex = 3
Style = tbsCheck
OnClick = btnLargeIconsClick
end
<-----> object btnReport:
TToolButton
Tag = 3
Left = 148
Top = 0
Caption = 'btnReport'
Grouped = True
ImageIndex = 4
Style = tbsCheck
OnClick = btnLargeIconsClick
end
end
<-----> object cbPath:
TComboBox
Left = 9
Top = 31
Width = 544
Height = 21
ItemHeight = 13
TabOrder = 1
OnClick = cbPathClick
OnKeyDown = cbPathKeyDown
end
end
<-----> object ToolbarImages:
TImageList
Height = 21
Width = 21
Left = 72
Top = 128
Bitmap = {

Application.CreateForm(TFileAttrForm, FileAttrForm);
Application.CreateForm(TChangeDlg, ChangeDlg);
Application.Run;
end.
//////////
unit FChngDlg;
interface
uses Windows, SysUtils, Classes, Graphics, Forms, Controls, StdCtrls, Buttons, ExtCtrls;
type
TChangeDlg = class(TForm)
OKBtn: TButton;
CancelBtn: TButton;
Bevel1: TBevel;
CurrentDir: TLabel;
Label1: TLabel;
Label2: TLabel;
ToFileName: TEdit;
FromFileName: TEdit;
private
{ Private declarations }
public
{ Public declarations }
end;
var
ChangeDlg: TChangeDlg;
implementation
{ \$R *.dfm }
end.
//////////
unit FAttrDlg;

الملف التنفيذي لبرنامج
34 procedures
Filmanex)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program FilManEx;
uses
Forms,
FMXWin in 'FMXWin.pas'
{FMForm},
FmxUtils in 'Fmxutils.pas',
FAttrDlg in 'FAttrDlg.pas'
{FileAttrForm},
FChngDlg in 'FChngDlg.pas'
{ChangeDlg};
{ \$R *.RES }
begin
Application.Initialize;
Application.CreateForm(TFMForm, FMForm);

StatusBar: TPanel;
DirectoryPanel: TPanel;
FilePanel: TPanel;
DriveTabSet: TTabSet;
DirectoryOutline: TDirectoryOutline;
FileList: TFileListBox;
MainMenu1: TMainMenu;
File1: TMenuItem;
Open1: TMenuItem;
Move1: TMenuItem;
Copy1: TMenuItem;
Delete1: TMenuItem;
Rename1: TMenuItem;
Properties1: TMenuItem;
N1: TMenuItem;
Exit1: TMenuItem;
Floppy: TImage;
Fixed: TImage;
Network: TImage;
CDRom: TImage;
RamDisk: TImage;
<-----> procedure Exit1Click(Sender: TObject);
<-----> procedure FormCreate(Sender: TObject);
<-----> procedure DirectoryOutlineChange(Sender: TObject);
<-----> procedure FileListChange(Sender: TObject);
<-----> procedure DriveTabSetMeasureTab(Sender: TObject; Index: Integer; var TabWidth: Integer);
<-----> procedure DriveTabSetDrawTab(Sender: TObject; TabCanvas: TCanvas; R: TRect; Index: Integer; Selected: Boolean);
<-----> procedure File1Click(Sender: TObject);
<-----> procedure Delete1Click(Sender: TObject);
<-----> procedure Properties1Click(Sender: TObject);
<-----> procedure FileChange(Sender: TObject);
<-----> procedure

interface
uses Windows, SysUtils, Classes, Graphics, Forms, Controls, StdCtrls, Buttons, ExtCtrls;
type TFileAttrForm = class(TForm)
OKBtn: TButton;
CancelBtn: TButton;
Bevel1: TBevel;
FileDirName: TLabel;
FilePathName: TLabel;
ChangeDate: TLabel;
GroupBox1: TGroupBox;
ReadOnly: TCheckBox;
Archive: TCheckBox;
System: TCheckBox;
Hidden: TCheckBox;
private { Private declarations }
public { Public declarations }
end;
var FileAttrForm: TFileAttrForm;
implementation { \$R *.dfm }
end.
////////////////////////////////////
unit FMXWin;
interface
uses Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, FileCtrl, Grids, Outline, DirOutln, Tabs, ExtCtrls, Menus;
type TFMForm = class(TForm)

```

var
  Drive: Char;
  AddedIndex: Integer;
begin
  for Drive := 'a' to 'z' do
  begin
    case GetDriveType(PChar(Drive
+ ':'\')) of
      DRIVE_REMOVABLE:
        AddedIndex :=
        DriveTabSet.Tabs.AddObject(Drive,
        Floppy.Picture.Graphic);
      DRIVE_FIXED:
        AddedIndex :=
        DriveTabSet.Tabs.AddObject(Drive,
        Fixed.Picture.Graphic);
      DRIVE_CDROM:
        AddedIndex :=
        DriveTabSet.Tabs.AddObject(Drive,
        CDRom.Picture.Graphic);
      DRIVE_RAMDISK:
        AddedIndex :=
        DriveTabSet.Tabs.AddObject(Drive,
        RamDisk.Picture.Graphic);
      DRIVE_REMOTE:
        AddedIndex :=
        DriveTabSet.Tabs.AddObject(Drive,
        Network.Picture.Graphic);
    else
      AddedIndex := 0;
    end;
  end;
  if UpCase(Drive) = FileList.Drive
  then
    DriveTabSet.TabIndex :=
    AddedIndex;
  end;
end;

<-----> procedure
TFMForm.DriveTabSetChange(Sen
der: TObject; NewTab: Integer;
var AllowChange: Boolean);
begin
  if not (csDesigning in
ComponentState) then
  begin
    AllowChange := True;
  try
    with DriveTabSet do

```

```

Open1Click(Sender: TObject);
<-----> procedure
FileListMouseDown(Sender:
TObject; Button: TMouseButton;
Shift: TShiftState; X, Y:
Integer);
<-----> procedure
DirectoryOutlineDragOver(Sender,
Source: TObject; X,
Y: Integer; State: TDragState;
var Accept: Boolean);
<-----> procedure
DirectoryOutlineDragDrop(Sender,
Source: TObject; X,
Y: Integer);
<-----> procedure
FileListEndDrag(Sender, Target:
TObject; X, Y: Integer);
<-----> procedure
DriveTabSetChange(Sender:
TObject; NewTab: Integer;
var AllowChange: Boolean);
private
<-----> procedure
ConfirmChange(const ACaption,
FromFile, ToFile: string);
public
{ Public declarations }
end;

var
  FMForm: TFMForm;

implementation

uses FmxUtils, FAttrDlg, FChngDlg;

{$R *.dfm}

<-----> procedure
TFMForm.Exit1Click(Sender:
TObject);
begin
  Close;
end;

<-----> procedure
TFMForm.FormCreate(Sender:
TObject);

```

```

var TabWidth: Integer);
var
  BitmapWidth: Integer;
begin
  BitmapWidth :=
  TBitmap(DriveTabSet.Tabs.Objects
[Index]).Width;
  Inc(TabWidth, 2 + BitmapWidth);
end;

<-----> procedure
TFMForm.DriveTabSetDrawTab(Se
nder: TObject; TabCanvas:
TCanvas;
  R: TRect; Index: Integer; Selected:
Boolean);
var
  Bitmap: TBitmap;
begin
  Bitmap :=
  TBitmap(DriveTabSet.Tabs.Objects
[Index]);
  with TabCanvas do
  begin
    Draw(R.Left, R.Top + 4, Bitmap);
    TextOut(R.Left + 2 +
  Bitmap.Width, R.Top + 2,
  DriveTabSet.Tabs[Index]);
  end;
end;

<-----> procedure
TFMForm.File1Click(Sender:
TObject);
var
  FileSelected: Boolean;
begin
  FileSelected := FileList.ItemIndex
>= 0;
  Open1.Enabled := FileSelected;
  Deletel.Enabled := FileSelected;
  Copy1.Enabled := FileSelected;
  Move1.Enabled := FileSelected;
  Rename1.Enabled := FileSelected;
  Properties1.Enabled :=
  FileSelected;
end;

<-----> procedure

```

```

  DirectoryOutline.Drive :=
  Tabs[NewTab][1];
except
  on EInOutError do
  begin
    AllowChange := False;
    with DriveTabSet do
      DirectoryOutline.Drive :=
  Tabs[TabIndex][1];
      raise;
    end;
  end;
end;

<-----> procedure
TFMForm.DirectoryOutlineChange(
Sender: TObject);
begin
  FileList.Directory :=
  DirectoryOutline.Directory;
  DirectoryPanel.Caption :=
  DirectoryOutline.Directory;
end;

<-----> procedure
TFMForm.FileListChange(Sender:
TObject);
var
  TheFileName: string;
begin
  with FileList do
  begin
    if ItemIndex >= 0 then
    begin
      TheFileName :=
  Items[ItemIndex];
      FilePanel.Caption :=
  Format('%s, %d bytes',
  [TheFileName,
  GetFileSize(TheFileName)]);
    end
    else FilePanel.Caption := "";
  end;
end;

<-----> procedure
TFMForm.DriveTabSetMeasureTab
(Sender: TObject; Index: Integer;

```

if System.Checked then NewAttributes := NewAttributes or faSysFile
else NewAttributes := NewAttributes and not faSysFile;
if Hidden.Checked then NewAttributes := NewAttributes or faHidden
else NewAttributes := NewAttributes and not faHidden;
if NewAttributes <> Attributes then
FileSetAttr(FileDirName.Caption, NewAttributes);
end;
end;
end;
<-----> procedure TFMForm.ConfirmChange(const ACaption, FromFile, ToFile: string); begin
if MessageDlg(Format('%s %s to %s?', [ACaption, FromFile, ToFile]), mtConfirmation, [mbYes, mbNo], 0) = mrYes then
begin
if ACaption = 'Move' then MoveFile(FromFile, ToFile)
else if ACaption = 'Copy' then CopyFile(FromFile, ToFile)
else if ACaption = 'Rename' then RenameFile(FromFile, ToFile);
FileList.Update;
end;
end;
<-----> procedure TFMForm.FileChange(Sender: TObject); begin
with ChangeDlg do begin
if Sender = Move1 then Caption := 'Move'
else if Sender = Copy1 then Caption := 'Copy'

TFMForm.Delete1Click(Sender: TObject); begin
with FileList do
if MessageDlg('Delete ' + FileName + '?', mtConfirmation, [mbYes, mbNo], 0) = mrYes then
if DeleteFile(FileName) then Update;
end;
<-----> procedure TFMForm.Properties1Click(Sender: TObject); var
Attributes, NewAttributes: Word; begin
with FileAttrForm do begin
FileDirName.Caption := FileList.Items[FileList.ItemIndex];
FilePathName.Caption := FileList.Directory;
ChangeDate.Caption := DateTimeToStr(FileDateTime(FileLi st.FileName));
Attributes := FileGetAttr(FileDirName.Caption);
ReadOnly.Checked := (Attributes and faReadOnly) = faReadOnly;
Archive.Checked := (Attributes and faArchive) = faArchive;
System.Checked := (Attributes and faSysFile) = faSysFile;
Hidden.Checked := (Attributes and faHidden) = faHidden;
if ShowModal <> mrCancel then begin
NewAttributes := Attributes;
if ReadOnly.Checked then NewAttributes := NewAttributes or faReadOnly
else NewAttributes := NewAttributes and not faReadOnly;
if Archive.Checked then NewAttributes := NewAttributes or faArchive
else NewAttributes := NewAttributes and not faArchive;

Y: Integer; State: TDragState; var Accept: Boolean);
begin
Accept := (Source is TFileListBox) and (DirectoryOutline.GetItem(X, Y) > 0);
end;
<-----> procedure TFMForm.DirectoryOutlineDragDrop(Sender, Source: TObject; X, Y: Integer);
begin
if Source is TFileListBox then
with DirectoryOutline do
ConfirmChange('Move', FileList.FileName, Items[GetItem(X, Y)].FullPath);
end;
<-----> procedure TFMForm.FileListEndDrag(Sender, Target: TObject; X, Y: Integer);
begin
if Target <> nil then
FileList.Update;
end;
end.
////////////////////////////////////

<-----> object s43
الملف النصي لبرنامج
Filmanex)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> object FMForm: TFMForm
Left = -4
Top = -4
Width = 1032
Height = 746
Caption = 'File manager example'

else if Sender = Rename1 then
Caption := 'Rename'
else Exit;
CurrentDir.Caption :=
DirectoryOutline.Directory;
FromFileName.Text :=
FileList.FileName;
ToFileName.Text := '';
if (ShowModal <> mrCancel) and
(ToFileName.Text <> '') then
ConfirmChange(Caption,
FromFileName.Text,
ToFileName.Text);
end;
end;
<-----> procedure TFMForm.Open1Click(Sender: TObject);
begin
with FileList do
begin
if HasAttr(FileName, faDirectory)
then
DirectoryOutline.Directory :=
FileName
else ExecuteFile(FileName, '',
Directory, SW_SHOW);
end;
end;
end;
<-----> procedure TFMForm.FileListMouseDown(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
if Button = mbLeft then
with Sender as TFileListBox do
begin
if ItemAtPos(Point(X, Y), True)
>= 0 then
BeginDrag(False);
end;
end;
end;
<-----> procedure TFMForm.DirectoryOutlineDragOver(Sender, Source: TObject; X,

Visible = False
end
<-----> object Fixed: TImage
Left = 48
Top = 16
Width = 16
Height = 9
AutoSize = True
Picture.Data = {
Visible = False
end
<-----> object Network: TImage
Left = 72
Top = 16
Width = 16
Height = 9
AutoSize = True
Picture.Data = {
Visible = False
end
<-----> object CDRom: TImage
Left = 98
Top = 16
Width = 16
Height = 9
AutoSize = True
Picture.Data = {
Visible = False
end
<-----> object RamDisk: TImage
Left = 118
Top = 16
Width = 16
Height = 9
AutoSize = True
Picture.Data = {
Visible = False
end
end
end
<-----> object DriveTabSet: TTabSet
Left = 0
Top = 631
Width = 1024

Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu1
OldCreateOrder = True
Position = poDefault
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object StatusBar: TPanel
Left = 0
Top = 652
Width = 1024
Height = 40
Align = alBottom
BevelOuter = bvNone
TabOrder = 0
<-----> object DirectoryPanel: TPanel
Left = 0
Top = 0
Width = 185
Height = 40
Align = alLeft
BevelInner = bvLowered
BevelWidth = 2
TabOrder = 0
end
<-----> object FilePanel: TPanel
Left = 185
Top = 0
Width = 839
Height = 40
Align = alClient
BevelInner = bvLowered
BevelWidth = 2
TabOrder = 1
<-----> object Floppy: TImage
Left = 24
Top = 16
Width = 16
Height = 9
AutoSize = True
Picture.Data = {

OnMouseDown =
FileListMouseDown
end
<-----> object MainMenu1:
TMainMenu
Left = 337
Top = 251
<-----> object File1: TMenuItem
Caption = '&File'
OnClick = File1Click
<-----> object Open1:
TMenuItem
Caption = '&Open'
ShortCut = 13
OnClick = Open1Click
end
<-----> object Move1:
TMenuItem
Caption = '&Move...'
ShortCut = 118
OnClick = FileChange
end
<-----> object Copy1:
TMenuItem
Caption = '&Copy...'
ShortCut = 119
OnClick = FileChange
end
<-----> object Delete1:
TMenuItem
Caption = '&Delete...'
ShortCut = 46
OnClick = Delete1Click
end
<-----> object Rename1:
TMenuItem
Caption = '&Rename...'
OnClick = FileChange
end
<-----> object Properties1:
TMenuItem
Caption = '&Properties...'
ShortCut = 32781
OnClick = Properties1Click
end
<-----> object N1: TMenuItem
Caption = '-'
end

Height = 21
Align = alBottom
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
Style = tsOwnerDraw
OnChange = DriveTabSetChange
OnDrawTab =
DriveTabSetDrawTab
OnMeasureTab =
DriveTabSetMeasureTab
end
<-----> object DirectoryOutline:
TDirectoryOutline
Left = 0
Top = 0
Width = 161
Height = 631
Align = alLeft
ItemHeight = 13
Options = [ooDrawFocusRect]
PictureLeaf.Data = {
TabOrder = 2
OnChange =
DirectoryOutlineChange
OnDragDrop =
DirectoryOutlineDragDrop
OnDragOver =
DirectoryOutlineDragOver
Data = {10}
end
<-----> object FileList:
TFileListBox
Left = 161
Top = 0
Width = 863
Height = 631
Align = alClient
FileType = [ftReadOnly,
ftDirectory, ftArchive, ftNormal]
ItemHeight = 16
ShowGlyphs = True
TabOrder = 3
OnChange = FileListChange
OnEndDrag = FileListEndDrag

end
<-----> object ChangeDate:
TLabel
Left = 24
Top = 64
Width = 60
Height = 13
Caption = 'ChangeDate'
end
<-----> object OKBtn: TButton
Left = 300
Top = 8
Width = 77
Height = 27
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 0
end
<-----> object CancelBtn: TButton
Left = 300
Top = 40
Width = 77
Height = 27
Cancel = True
Caption = 'Cancel'
ModalResult = 2
TabOrder = 1
end
<-----> object GroupBox1:
TGroupBox
Left = 24
Top = 88
Width = 249
Height = 65
Caption = 'Attributes'
TabOrder = 2
<-----> object ReadOnly:
TCheckBox
Left = 16
Top = 16
Width = 97
Height = 17
Caption = '&Read Only'
TabOrder = 0
end
<-----> object Archive:
TCheckBox

<-----> object Exit1:
TMenuItem
Caption = 'E&xit'
OnClick = Exit1Click
end
end
end
End
////////////////////////////////////
<-----> object FileAttrForm:
TFileAttrForm
Left = 180
Top = 118
ActiveControl = OKBtn
BorderStyle = bsDialog
Caption = 'File attributes'
ClientHeight = 179
ClientWidth = 388
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> object Bevel1: TBevel
Left = 8
Top = 8
Width = 281
Height = 161
Shape = bsFrame
IsControl = True
end
<-----> object FileDirName:
TLabel
Left = 24
Top = 16
Width = 57
Height = 13
Caption = 'FileDirName'
end
<-----> object FilePathName:
TLabel
Left = 24
Top = 40
Width = 66
Height = 13
Caption = 'FilePathName'

Top = 8
Width = 281
Height = 105
Shape = bsFrame
IsControl = True
end
<-----> object CurrentDir: TLabel
Left = 24
Top = 24
Width = 47
Height = 13
Caption = 'CurrentDir'
end
<-----> object Label1: TLabel
Left = 24
Top = 48
Width = 26
Height = 13
Caption = 'From:'
end
<-----> object Label2: TLabel
Left = 24
Top = 80
Width = 16
Height = 13
Caption = 'To:'
end
<-----> object OKBtn: TButton
Left = 300
Top = 8
Width = 77
Height = 27
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 0
end
<-----> object CancelBtn: TButton
Left = 300
Top = 40
Width = 77
Height = 27
Cancel = True
Caption = 'Cancel'
ModalResult = 2
TabOrder = 1
end
<-----> object ToFileName: TEdit

Left = 16
Top = 40
Width = 97
Height = 17
Caption = '&Archive'
TabOrder = 1
end
<-----> object System:
TCheckBox
Left = 120
Top = 16
Width = 97
Height = 17
Caption = '&System'
TabOrder = 2
end
<-----> object Hidden:
TCheckBox
Left = 120
Top = 40
Width = 97
Height = 17
Caption = '&Hidden'
TabOrder = 3
end
end
End
=
////////////////////////////////////
<-----> object ChangedDlg:
TChangeDlg
Left = 188
Top = 338
ActiveControl = OKBtn
BorderStyle = bsDialog
Caption = 'Dialog'
ClientHeight = 123
ClientWidth = 388
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> object Bevel1: TBevel
Left = 8

RXMisc, HexDump,
ImgList;
type
TMainForm = class(TForm)
StatusBar: TStatusBar;
TreeViewPanel: TPanel;
Panel1: TPanel;
ImageViewer: TImage;
Listview: TListView;
TreeView: TTreeView;
Splitter: TPanel;
Notebook: TNotebook;
ListviewPanel: TPanel;
ListviewCaption: TPanel;
FileOpenDialog: TOpenDialog;
FileSaveDialog: TSaveDialog;
MainMenu: TMainMenu;
miFile: TMenuItem;
miFileExit: TMenuItem;
miFileSave: TMenuItem;
miFileOpen: TMenuItem;
miView: TMenuItem;
miViewStatusBar: TMenuItem;
miViewLargeIcons: TMenuItem;
miViewSmallIcons: TMenuItem;
miViewList: TMenuItem;
miViewDetails: TMenuItem;
miHelp: TMenuItem;
miHelpAbout: TMenuItem;
Small: TImageList;
Large: TImageList;
StringViewer: TMemo;
<-----> procedure
FileExit(Sender: TObject);
<-----> procedure
FileOpen(Sender: TObject);
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
ListviewEnter(Sender: TObject);
<-----> procedure
SaveResource(Sender: TObject);
<-----> procedure
SelectListViewType(Sender: TObject);
<-----> procedure
ShowAboutBox(Sender: TObject);

Left = 64
Top = 80
Width = 209
Height = 21
TabOrder = 2
end
<-----> object FromFileName:
TEdit
Left = 64
Top = 48
Width = 209
Height = 21
TabOrder = 3
end
End
////////////////////////////////////

الملف التنفيذي لبرنامج

42 procedures

ResXplor)

إعداد

علاء الدين اللباد

هاتف ٠٩٤٤٥٧٥٣٧١

unit RXMain;

{ This program provides an example of how to use the TreeView and ListView

components in a fashion similar to the Microsoft Windows Explorer.

It is not intended to be a fully functional resource viewer. }

interface

uses

SysUtils, Windows, Messages, Classes, Graphics, Controls, Forms, Dialogs,

ExeImage, StdCtrls, Buttons, ExtCtrls, ComCtrls, Menus,

	<-----> procedure ToggleStatusBar(Sender: TObject);
uses About, RXTypes;	<-----> procedure TreeViewChange(Sender: TObject; Node: TTreeNode);
{SR *.dfm}	
{SR RXIMAGES.RES}	
	<-----> procedure SplitterMouseDown(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
const	<-----> procedure SplitterMouseMove(Sender: TObject; Shift: TShiftState; X, Y: Integer);
itBitmap: TResType = ImgList.rtBitmap; // Reference for duplicate identifier	<-----> procedure SplitterMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
ImageMap: array[TResourceType] of Byte = (2,4,5,3,2,2,2,2,2,2,2,2,2,2,2,2);	<-----> procedure ViewMenuDropDown(Sender: TObject);
ResFiltMap: array[TResourceType] of Byte = (1,4,2,3,1,1,1,1,1,1,1,1,1,1,1,1);	<-----> procedure NotebookEnter(Sender: TObject);
	<-----> procedure FormDestroy(Sender: TObject);
SNoResSelected = 'No resource selected';	private
SFormCaption = 'Resource Explorer';	FExeFile: TExeImage;
SSaveFilter = 'Other Resource (*.*)|*.*|Bitmaps (*.BMP)|*.BMP|'+ 'Icons (*.*)|*.ICO|Cursor (*.*)|*.CUR|*.CUR';	HexDump: THexDump;
SOpenFilter = 'Executable File Images (*.*)|*.EXE;*.DLL|*.EXE;*.DLL|'+ 'All Files (*.*)|*.*';	SplitControl: TSplitControl;
	<-----> procedure LoadResources(ResList: TResourceList; Node: TTreeNode);
{ Utility Functions }	<-----> procedure DisplayResources;
<-----> procedure Error(const ErrMsg: string);	<-----> procedure UpdateViewPanel;
begin	<-----> procedure UpdateListView(ResList: TResourceList);
raise Exception.Create(ErrMsg);	<-----> procedure UpdateStatusLine(ResItem: TResourceItem);
end;	end;
<-----> procedure ErrorFmt(const ErrMsg: string; Params: array of const);	var
begin	MainForm: TMainForm;
raise Exception.Create(format(ErrMsg, Params));	
end;	
function Confirm(const AMsg:	implementation

FileName));
with TreeView do
begin
SetFocus;
Selected := Items[0];
end;
end;
<-----> procedure
TMainForm.UpdateViewPanel;
var
R: TResourceItem;
begin
with TreeView do
begin
if Visible and Assigned(Selected)
then
begin
R :=
TResourceItem(Selected.Data);
if R.IsList then
UpdateListView(R.List) else
begin
case R.ResType of
rtBitmap, rtIconEntry,
rtCursorEntry:
begin
ImageViewer.Picture.Assign(R);
Notebook.PageIndex := 1;
end;
rtString, rtMenu:
begin
StringViewer.Lines.Assign(R);
StringViewer.SelStart := 0;
Notebook.PageIndex := 2;
end
else
begin
HexDump.Address :=
R.RawData;
HexDump.DataSize :=
R.Size;
Notebook.PageIndex := 3;
end;
end;
end;

String): Boolean;
begin
Result := MessageDlg(AMsg,
mtConfirmation, mbYesNoCancel,
0) = idYes;
end;
{ Non Event Handlers }
<-----> procedure
TMainForm.LoadResources(ResList
: TResourceList; Node: TTreeNode);
var
I: Integer;
CNode: TTreeNode;
begin
for I := 0 to ResList.Count - 1 do
with ResList[I] do
begin
CNode :=
TreeView.Items.AddChildObject(No
de, Name, ResList[I]);
if IsList then
begin
CNode.SelectedIndex := 1;
LoadResources(List, CNode);
end else
begin
CNode.ImageIndex :=
ImageMap[ResList[I].ResType];
CNode.SelectedIndex :=
CNode.ImageIndex;
end;
end;
end;
<-----> procedure
TMainForm.DisplayResources;
begin
ListView.Items.Clear;
TreeView.Selected := nil;
TreeView.Items.Clear;
LoadResources(FExeFile.Resources,
nil);
Caption := Format('%s - %s',
[SFormCaption,
AnsiLowerCaseFileName(FExeFile.

StatusBar.Panels[1].Text := Format(' Offset: %x Size: %x', [Offset, Size]);
end;
end;
{ Form Initialization }
<-----> procedure TMainForm.FormCreate(Sender: TObject);
begin
SplitControl := TSplitControl.Create(Self);
HexDump := CreateHexDump(TWinControl(Note Book.Pages.Objects[3]));
FileOpenDialog.Filter := SOpenFilter;
FileSaveDialog.Filter := SSaveFilter;
Small.ResourceLoad(itBitmap, 'SmallImages', clOlive);
Large.ResourceLoad(itBitmap, 'LargeImages', clOlive);
Notebook.PageIndex := 0;
if (ParamCount > 0) and FileExists(ParamStr(1)) then
begin
Show;
FExeFile := TExeImage.CreateImage(Self, ParamStr(1));
DisplayResources;
end;
end;
{ Menu Event Handlers }
<-----> procedure TMainForm.FileOpen(Sender: TObject);
var
TmpExeFile: TExeImage;
begin
with FileOpenDialog do
begin
if not Execute then Exit;
TmpExeFile :=

UpdateStatusLine(R);
end;
end;
end;
<-----> procedure TMainForm.UpdateListView(ResLis t: TResourceList);
var
I: Integer;
begin
ListView.Items.Clear;
for I := 0 to ResList.Count-1 do
with ResList[I], ListView.Items.Add do
begin
Data := ResList[I];
Caption := Name;
SubItems.Add(Format('%x', [Offset]));
SubItems.Add(Format('%x', [Size]));
ImageIndex := ImageMap[ResType];
end;
Notebook.PageIndex := 0;
end;
<-----> procedure TMainForm.UpdateStatusLine(ResI tem: TResourceItem);
begin
if ResItem.IsList then
begin
ListViewCaption.Caption := ' '+TreeView.Selected.Text;
StatusBar.Panels[0].Text := Format(' %d object(s)', [ListView.Items.Count]);
StatusBar.Panels[1].Text := Format(' Offset: %x', [ResItem.Offset]);
end else
with ResItem do
begin
ListViewCaption.Caption := Format(' %s: %s', [ResTypeStr, Name]);
StatusBar.Panels[0].Text := '';

ata);
end;
function
ListviewResourceSelected: Boolean;
begin
Result :=
Assigned(ListView.Selected) and
Assigned(ListView.Selected.Data)
and
not
TResourceItem(ListView.Selected.D
ata).IsList;
if Result then ResItem :=
TResourceItem(ListView.Selected.D
ata);
end;
begin
if TreeviewResourceSelected or
ListviewResourceSelected then
with FileSaveDialog do
begin
FilterIndex :=
ResFiltMap[ResItem.ResType];
if Execute then
ResItem.SaveToFile(FileName)
end
else
Error(SNoResSelected);
end;
<-----> procedure
TMainForm.SelectListViewType(Se
nder: TObject);
begin
ListView.ViewStyle :=
TViewStyle(TComponent(Sender).T
ag);
end;
<-----> procedure
TMainForm.ShowAboutBox(Sender
: TObject);
begin
About.ShowAboutBox;
end;

TExeImage.CreateImage(Self,
FileName);
if Assigned(FExeFile) then
FExeFile.Destroy;
FExeFile := TmpExeFile;
DisplayResources;
end;
end;
<-----> procedure
TMainForm.FileExit(Sender:
TObject);
begin
Close;
end;
<-----> procedure
TMainForm.ListViewEnter(Sender:
TObject);
begin
with ListView do
if (Items.Count > 1) and (Selected
= nil) then
begin
Selected := Items[0];
ItemFocused := Selected;
end;
end;
<-----> procedure
TMainForm.SaveResource(Sender:
TObject);
var
ResItem: TResourceitem;
function
TreeviewResourceSelected:
Boolean;
begin
Result :=
Assigned(TreeView.Selected) and
Assigned(TreeView.Selected.Data)
and
not
TResourceItem(TreeView.Selected.D
ata).IsList;
if Result then ResItem :=
TResourceItem(TreeView.Selected.D

end;
<-----> procedure TMainForm.SplitterMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
with SplitControl do if Sizing then
EndSizing;
end;
<-----> procedure TMainForm.NotebookEnter(Sender: TObject);
var
Page: TWinControl;
begin
with Notebook do
begin
Page :=
TWinControl(Pages.Objects[PageIndex]);
if (Page.ControlCount > 0) and
(Page.Controls[0] is TWinControl)
then
TWinControl(Page.Controls[0]).Set
Focus;
end;
end;
<-----> procedure TMainForm.FormDestroy(Sender: TObject);
begin
SplitControl.Free;
end;
end.

<-----> object35
الملف النصي لبرنامج
ResXplor)
إعداد
علاء الدين اللباد

<-----> procedure TMainForm.ToggleStatusBar(Sender: TObject);
begin
StatusBar.Visible := not
StatusBar.Visible;
end;
<-----> procedure TMainForm.TreeViewChange(Sender: TObject; Node: TTreeNode);
begin
UpdateViewPanel;
end;
<-----> procedure TMainForm.ViewMenuDropDown(Sender: TObject);
var
I: Integer;
begin
miViewStatusBar.Checked :=
StatusBar.Visible;
for I := 0 to miView.Count-1 do
with miView.Items[I] do
if GroupIndex = 1 then
Checked := (Tag =
Ord(ListView.ViewStyle));
end;
end;
<-----> procedure TMainForm.SplitterMouseDown(Sender: TObject;
Button: TMouseButton; Shift:
TShiftState; X, Y: Integer);
begin
if (Button = mbLeft) and (Shift =
[ssLeft]) then
SplitControl.BeginSizing(Splitter,
TreeViewPanel);
end;
<-----> procedure TMainForm.SplitterMouseMove(Sender: TObject; Shift: TShiftState;
X, Y: Integer);
begin
with SplitControl do if Sizing then
ChangeSizing(X, Y);

Alignment = taLeftJustify
BevelInner = bvLowered
BevelOuter = bvNone
BorderWidth = 1
Caption = 'Resources'
TabOrder = 0
end
<-----> object TreeView:
TTreeView
Left = 0
Top = 21
Width = 185
Height = 652
Align = alClient
Images = Small
Indent = 19
ReadOnly = True
TabOrder = 1
OnChange = TreeViewChange
end
end
<-----> object Splitter: TPanel
Left = 185
Top = 0
Width = 2
Height = 673
Cursor = crHSplit
Align = alLeft
BevelOuter = bvNone
TabOrder = 2
OnMouseDown = SplitterMouseDown
OnMouseMove = SplitterMouseMove
OnMouseUp = SplitterMouseUp
end
<-----> object ListViewPanel:
TPanel
Left = 187
Top = 0
Width = 837
Height = 673
Align = alClient
BevelOuter = bvNone
TabOrder = 3
<-----> object ListViewCaption:
TPanel
Left = 0

هاتف ٠٩٤٤٥٧٥٣٧١
<-----> object MainForm:
TMainForm
Left = -4
Top = -4
Width = 1032
Height = 746
Caption = 'Resource Explorer'
Color = clBtnFace
ParentFont = True
Icon.Data = {
OFF}
Menu = MainMenu
OldCreateOrder = True
OnCreate = FormCreate
OnDestroy = FormDestroy
PixelsPerInch = 96
TextHeight = 13
<-----> object StatusBar:
TStatusBar
Left = 0
Top = 673
Width = 1024
Height = 19
Panels = <
item
Width = 150
end
item
Width = 500
end>
end
<-----> object TreeViewPanel:
TPanel
Left = 0
Top = 0
Width = 185
Height = 673
Align = alLeft
BevelOuter = bvNone
TabOrder = 1
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 185
Height = 21
Align = alTop

ReadOnly = True
SmallImages = Small
TabOrder = 0
ViewStyle = vsReport
OnEnter = ListViewEnter
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'ImageViewPage'
<-----> object ImageViewer:
TImage
Left = 0
Top = 0
Width = 837
Height = 652
Align = alClient
Center = True
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'StringViewPage'
<-----> object StringViewer:
TMemo
Left = 0
Top = 0
Width = 382
Height = 175
Align = alClient
ReadOnly = True
ScrollBars = ssBoth
TabOrder = 0
WantReturns = False
WordWrap = False
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'OtherViewPage'
end
end
end
<-----> object MainMenu:
TMainMenu

Top = 0
Width = 837
Height = 21
Align = alTop
Alignment = taLeftJustify
BevelInner = bvLowered
BevelOuter = bvNone
BorderWidth = 1
TabOrder = 0
end
<-----> object Notebook:
TNotebook
Left = 0
Top = 21
Width = 837
Height = 652
Align = alClient
Color = clBtnFace
PageIndex = 1
ParentColor = False
TabOrder = 1
OnEnter = NotebookEnter
<-----> object TPage
Left = 0
Top = 0
Caption = 'ListViewPage'
<-----> object ListView:
TListView
Left = 0
Top = 0
Width = 382
Height = 175
Align = alClient
Columns = <
item
Caption = 'Name'
Width = 150
end
item
Caption = 'Offset'
Width = 80
end
item
Caption = 'Size'
Width = 80
end>
ColumnClick = False
LargeImages = Large

GroupIndex = 1
RadioItem = True
OnClick = SelectListViewType
end
<-----> object miViewList:
TMenuItem
Tag = 2
Caption = '&List'
GroupIndex = 1
RadioItem = True
OnClick = SelectListViewType
end
<-----> object miViewDetails:
TMenuItem
Tag = 3
Caption = '&Details'
GroupIndex = 1
RadioItem = True
OnClick = SelectListViewType
end
end
<-----> object miHelp:
TMenuItem
Caption = '&Help'
<-----> object miHelpAbout:
TMenuItem
Caption = '&About'
OnClick = ShowAboutBox
end
end
<-----> object FileOpenDialog:
TOpenDialog
Options = [ofOverwritePrompt, ofHideReadOnly, ofPathMustExist]
Left = 497
Top = 161
end
<-----> object FileSaveDialog:
TSaveDialog
Options = [ofOverwritePrompt, ofHideReadOnly, ofPathMustExist]
Left = 463
Top = 161
end
<-----> object Small: TImageList
Left = 384
Top = 161

Left = 530
Top = 161
<-----> object miFile:
TMenuItem
Caption = '&File'
<-----> object miFileOpen:
TMenuItem
Caption = '&Open...'
OnClick = FileOpen
end
<-----> object miFileSave:
TMenuItem
Caption = '&Save Resource...'
OnClick = SaveResource
end
<-----> object miN1:
TMenuItem
Caption = '-'
end
<-----> object miFileExit:
TMenuItem
Caption = 'E&xit'
OnClick = FileExit
end
end
<-----> object miView:
TMenuItem
Caption = '&View'
OnClick = ViewMenuDropDown
<-----> object
miViewStatusBar: TMenuItem
Caption = 'Status &Bar'
OnClick = ToggleStatusBar
end
<-----> object N6: TMenuItem
Caption = '-'
end
<-----> object
miViewLargeIcons: TMenuItem
Caption = 'Lar&ge Icons'
GroupIndex = 1
RadioItem = True
OnClick = SelectListViewType
end
<-----> object
miViewSmallIcons: TMenuItem
Tag = 1
Caption = 'S&mall Icons'

DBCtrls, StdCtrls, ExtCtrls, Mask, DBTables, DB, Grids, DBGrids, Menus,
DBCGrids;
type
TFmCtrlGrid = class(TForm)
DBCtrlGrid1: TDBCtrlGrid;
DBGrid1: TDBGrid;
DBEdit1: TDBEdit;
DBEdit2: TDBEdit;
DBEdit3: TDBEdit;
DBEdit4: TDBEdit;
Label1: TLabel;
Label2: TLabel;
Label3: TLabel;
Label4: TLabel;
Label5: TLabel;
Label6: TLabel;
Label7: TLabel;
Button1: TButton;
Bevel1: TBevel;
Label8: TLabel;
Label9: TLabel;
Label10: TLabel;
Label11: TLabel;
IPurchase: TLabel;
ITotalCost: TLabel;
ITotalShares: TLabel;
IDifference: TLabel;
DBNavigator1: TDBNavigator;
MainMenu1: TMainMenu;
About1: TMenuItem;
<----procedure
Button1Click(Sender: TObject);
<----procedure
FormShow(Sender: TObject);
<----procedure
DBGrid1Enter(Sender: TObject);
<----procedure
DBCtrlGrid1Enter(Sender: TObject);
<----procedure
About1Click(Sender: TObject);
<----procedure
FormCreate(Sender: TObject);
private
{ Private declarations }

end
<-----> object Large: TImageList
Height = 32
Width = 32
Left = 417
Top = 161
end
end

القسم الخامس برمجة قواعد البيانات في لغة البرمجة دلفي

البرنامج يتعامل مع أكثر الإجراءات المتعلقة بقواعد البيانات وهو موجود في دلفي ٧ واسمه :

CtrlGrid

من اعداد

علاء الدين اللباد
٠٩٤٤٥٧٥٣٧١

يحتوي البرنامج على Procedure24

يتعامل مع قواعد البيانات

CtrlGrid الملف التنفيذي للبرنامج للوحدة

unit CtrlForm;

interface

uses

Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,

ShowModal;
finally
Free;
end;
end;
<----procedure TFmCtrlGrid.FormCreate(Sender: TObject);
begin
end;
end.
aboutالملف التنفيذي للوحدة
unit About;
interface
uses Windows, SysUtils, Classes, Graphics, Forms, Controls, StdCtrls, Buttons, ExtCtrls;
type
TFMAboutBox = class(TForm)
Panel1: TPanel;
ProgramIcon: TImage;
ProductName: TLabel;
Version: TLabel;
OKButton: TButton;
Memo1: TMemo;
<----procedure FormCreate(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
FMAboutBox: TFMAboutBox;
implementation

public
{ Public declarations }
end;
var
FmCtrlGrid: TFmCtrlGrid;
implementation
uses DM, About;
{\$R *.dfm}
<----procedure TFmCtrlGrid.Button1Click(Sender: TObject);
begin
Close;
end;
<----procedure TFmCtrlGrid.FormShow(Sender: TObject);
begin
DM1.CalculateTotals(Sender, nil);
end;
<----procedure TFmCtrlGrid.DBGrid1Enter(Sende r: TObject);
begin
DBNavigator1.DataSource := DM1.DSMaster;
end;
<----procedure TFmCtrlGrid.DBCtrlGrid1Enter(Se nder: TObject);
begin
DBNavigator1.DataSource := DM1.DSHoldings;
end;
<----procedure TFmCtrlGrid.About1Click(Sender: TObject);
begin
with FMAboutBox.Create(nil) do
try

tblMasterINDUSTRY: TSmallintField;	{SR *.dfm}
tblMasterPRICE_CHG: TSmallintField;	
tblMasterRATING: TStringField;	<----procedure
tblMasterRANK: TFloatField;	TFMAboutBox.FormCreate(Sender: TObject);
tblMasterOUTLOOK: TSmallintField;	begin
tblMasterRCMNDATION: TStringField;	end;
tblMasterRISK: TStringField;	end.
dsMaster: TDataSource;	
tblIndustry: TTable;	
tblIndustryIND_CODE: TSmallintField;	dm الملف التنفيذي للوحدة
tblIndustryIND_NAME: TStringField;	
tblIndustryLONG_NAME: TStringField;	unit DM;
dsIndustry: TDataSource;	
tblHoldings: TTable;	interface
tblHoldingsACCT_NBR: TFloatField;	uses
tblHoldingsSHARES: TFloatField;	Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
tblHoldingsPUR_PRICE: TFloatField;	DBTables, DB;
tblHoldingsPUR_DATE: TDateField;	type
tblHoldingsSYMBOL: TStringField;	TDM1 = class(TDataModule)
tblHoldingsPUR_COST: TCurrencyField;	tblMaster: TTable;
dsHoldings: TDataSource;	tblMasterSYMBOL: TStringField;
<----procedure tblHoldingsCalcFields(DataSet: TDataSet);	tblMasterCO_NAME: TStringField;
<----procedure tblHoldingsAfterPost(DataSet: TDataSet);	tblMasterEXCHANGE: TStringField;
<----procedure CalculateTotals(Sender: TObject; Field: TField);	tblMasterIndustryLongName: TStringField;
<----procedure tblHoldingsAfterOpen(DataSet: TDataSet);	tblMasterCUR_PRICE: TFloatField;
<----procedure DataModuleCreate(Sender: TObject);	tblMasterYRL_HIGH: TFloatField;
	tblMasterYRL_LOW: TFloatField;
	tblMasterP_E_RATIO: TFloatField;
	tblMasterPROJ_GRTH: TFloatField;

```

displays; otherwise,
  clear the result displays. }
if tblHoldings.recordCount = 0 then
begin
  { Clear the result displays }
  FmCtrlGrid.ITotalCost.Caption
:= "";
  FmCtrlGrid.ITotalShares.Caption
:= "";
  FmCtrlGrid.IDifference.Caption
:= "";
end
else
begin
  { let the user know something's
going on }
  Screen.Cursor := crHourglass;

  { Initialize the holder variables }
  flTotalCost := 0.0;
  flTotalShares := 0.0;

  { Calculate the total cost of these
holdings. }
  tblHoldings.disableControls; {
hide this process from the user }
  tblHoldings.first;
  while not tblHoldings.eof do
  begin
    flTotalCost := flTotalCost +
tblHoldingsPUR_COST.AsFloat;
    flTotalShares := flTotalShares +
tblHoldingsSHARES.AsFloat;
    tblHoldings.next;
  end;
  tblHoldings.first;
  tblHoldings.enableControls; {
restore the display of holdings }

  { Calculate the current value of
the shares (by multiplying
the current holdings by the
current share price) and the
difference between the cost and
the value. }

  flTotalValue := flTotalShares *
tblMasterCUR_PRICE.AsFloat;
  flDifference := flTotalValue -

```

```

private
  { Private declarations }
public
  { Public declarations }
end;

var
  DM1: TDM1;

implementation

uses CtrlForm;

{$R *.dfm}

<----procedure
TDM1.tblHoldingsCalcFields(DataS
et: TDataSet);
begin
  tblHoldingsPUR_COST.AsFloat :=
tblHoldingsPUR_PRICE.AsFloat
* tblHoldingsSHARES.AsFloat;
end;

<----procedure
TDM1.CalculateTotals(Sender:
TObject; Field: TField);
var
  flTotalCost,      { Holds total
share cost }
  flTotalShares,    { Holds total
share count }
  flTotalValue,     { Holds total
share value }
  flDifference: Real; { Holds
difference between cost and value }
  strFormatSpec: string; { The
Display Format specification }
begin
  { Update the count of stock
transactions }
  FmCtrlGrid.IPurchase.Caption :=
IntToStr( tblHoldings.RecordCount
);

  { See whether or not its necessary
to total the holdings and
(if so) do so and update the result

```

TDM1.tblHoldingsAfterPost(DataSet: TDataSet);
var
bmCurrent : TBookmark; { Holds the current position }
begin
with tblHoldings do
begin
bmCurrent := getBookmark; { save position }
try
CalculateTotals(nil, nil); { recalc totals }
gotoBookmark(bmCurrent); { restore position }
finally;
freeBookmark(bmCurrent); { free memory }
end;
end;
end;
<----procedure
TDM1.tblHoldingsAfterOpen(DataSet: TDataSet);
begin
{Don't want this calculation to occur until both master & detail are open}
dsMaster.OnDataChange := CalculateTotals;
end;
<----procedure
TDM1.DataModuleCreate(Sender: TObject);
begin
end;
end.
////////////////////////////////////

الملف النصي لبرنامج

Object٦٦

flTotalCost;
{ Use the same format specification as that being used to display the Current Price field value so it can be used to display the results }
strFormatSpec := tblMasterCUR_PRICE.DisplayFormat;
{ Update the result displays }
FmCtrlGrid.ITotalCost.Caption :=
FormatFloat(strFormatSpec, flTotalCost);
FmCtrlGrid.ITotalShares.Caption :=
FormatFloat(strFormatSpec, flTotalValue);
FmCtrlGrid.IDifference.Caption :=
FormatFloat(strFormatSpec, flDifference);
{ Update the Font Color of the Diference to indicate the quality of the investment }
if flDifference > 0 then
FmCtrlGrid.IDifference.Font.Color := clGreen
else
FmCtrlGrid.IDifference.Font.Color := clRed;
FmCtrlGrid.IDifference.update;
{ let the user know that we're finished }
Screen.Cursor := crDefault;
end;
end;
<----procedure

<----->object Label6: TLabel
Left = 230
Top = 152
Width = 54
Height = 13
AutoSize = False
Caption = '&Holdings:'
FocusControl = DBEdit2
end
<----->object Label7: TLabel
Left = 4
Top = 196
Width = 103
Height = 13
AutoSize = False
Caption = 'Investment Value:'
end
<----->object Label8: TLabel
Left = 12
Top = 220
Width = 105
Height = 13
Alignment = taRightJustify
Caption = 'Number of Purchases:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<----->object Label9: TLabel
Left = 15
Top = 242
Width = 82
Height = 13
Alignment = taRightJustify
Caption = 'Total Share Cost:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<----->object Label10: TLabel

(CtrlGri)
إعداد
علاء الدين اللباد
هاتف: ٠٩٤٤٥٧٥٣٧١

الملف النصي لواجهة البرنامج CtrlGrid
<----->object FmCtrlGrid: TFmCtrlGrid
Left = 221
Top = 170
ActiveControl = DBGrid1
BorderStyle = bsSingle
Caption = 'Stock Browser'
ClientHeight = 340
ClientWidth = 586
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
Menu = MainMenu1
OldCreateOrder = True
OnCreate = FormCreate
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<----->object Bevel1: TBevel
Left = 4
Top = 212
Width = 220
Height = 85
Shape = bsFrame
end
<----->object Label5: TLabel
Left = 6
Top = 4
Width = 61
Height = 13
AutoSize = False
Caption = '&Securities:'
FocusControl = DBGrid1
end

Width = 110
Height = 13
Alignment = taRightJustify
AutoSize = False
end
<----->object IDifference: TLabel
Left = 103
Top = 279
Width = 110
Height = 13
Alignment = taRightJustify
AutoSize = False
end
<----->object DBCtrlGrid1: TDBCtrlGrid
Left = 228
Top = 168
Width = 351
Height = 159
DataSource = DM1.dsHoldings
PanelHeight = 53
PanelWidth = 334
TabOrder = 1
OnEnter = DBCtrlGrid1Enter
<----->object Label1: TLabel
Left = 8
Top = 9
Width = 74
Height = 13
Alignment = taRightJustify
Caption = 'Purchase Date:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<----->object Label2: TLabel
Left = 183
Top = 32
Width = 75
Height = 13
Alignment = taRightJustify
Caption = 'Purchase Price:'
Font.Charset = DEFAULT_CHARSET

Left = 19
Top = 260
Width = 78
Height = 13
Alignment = taRightJustify
Caption = 'Value of Shares:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<----->object Label11: TLabel
Left = 23
Top = 279
Width = 74
Height = 13
Alignment = taRightJustify
Caption = 'C/V Difference:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<----->object IPurchase: TLabel
Left = 123
Top = 220
Width = 86
Height = 13
AutoSize = False
end
<----->object ITotalCost: TLabel
Left = 103
Top = 242
Width = 110
Height = 13
Alignment = taRightJustify
AutoSize = False
end
<----->object ITotalShares: TLabel
Left = 103
Top = 260

Width = 90
Height = 21
DataField = 'PUR_DATE'
DataSource = DM1.dsHoldings
TabOrder = 1
end
<----->object DBEdit3: TDBEdit
Left = 259
Top = 29
Width = 66
Height = 21
DataField = 'PUR_PRICE'
DataSource = DM1.dsHoldings
TabOrder = 2
end
<----->object DBEdit4: TDBEdit
Left = 259
Top = 6
Width = 66
Height = 21
DataField = 'SHARES'
DataSource = DM1.dsHoldings
TabOrder = 3
end
end
<----->object DBGrid1: TDBGrid
Left = 4
Top = 20
Width = 573
Height = 128
DataSource = DM1.dsMaster
Options = [dgTitles, dgIndicator, dgColumnResize, dgColLines, dgRowLines, dgTabs, dgRowSelect, dgAlwaysShowSelection, dgConfirmDelete, dgCancelOnExit]
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = [fsBold]
OnEnter = DBGrid1Enter
Columns = <
item
Expanded = False
FieldName = 'SYMBOL'

Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<----->object Label3: TLabel
Left = 185
Top = 9
Width = 73
Height = 13
Alignment = taRightJustify
Caption = 'Shares Bought:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<----->object Label4: TLabel
Left = 17
Top = 32
Width = 65
Height = 13
Alignment = taRightJustify
Caption = 'Acct Number:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<----->object DBEdit1: TDBEdit
Left = 83
Top = 29
Width = 90
Height = 21
DataField = 'ACCT_NBR'
DataSource = DM1.dsHoldings
TabOrder = 0
end
<----->object DBEdit2: TDBEdit
Left = 83
Top = 6

Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'PRICE_CHG'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'RATING'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'RANK'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'OUTLOOK'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'RCMNDATION'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'RISK'
Visible = True
end>
end
<----->object Button1: TButton
Left = 82
Top = 309
Width = 75
Height = 24
Caption = '&Close'
TabOrder = 2
OnClick = Button1Click
end

Visible = True
end
item
Expanded = False
FieldName = 'CO_NAME'
Width = 64
Visible = True
end
item
Expanded = False
FieldName =
'IndustryLongName'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'EXCHANGE'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'CUR_PRICE'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'YRL_HIGH'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'YRL_LOW'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'P_E_RATIO'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'PROJ_GRTH'

Width = 281
Height = 265
BevelInner = bvRaised
BevelOuter = bvLowered
TabOrder = 0
<----->object ProgramIcon:
TImage
Left = 8
Top = 8
Width = 65
Height = 57
Picture.Data =000
0000}
Stretch = True
IsControl = True
end
<----->object ProductName:
TLabel
Left = 88
Top = 16
Width = 92
Height = 13
Caption = 'DBCtrlGrid Example'
IsControl = True
end
<----->object Version: TLabel
Left = 88
Top = 40
Width = 53
Height = 13
Caption = 'Version 1.0'
IsControl = True
end
<----->object Memo1: TMemo
Left = 8
Top = 72
Width = 265
Height = 181
Lines.Strings = (
'This example illustrates'
"
'- The use of the DBCtrlGrid'
'- Calculating and Displaying
Total Fields'
'- Formatting of fields using
the format spec.'
'- Using Bookmarks'
'- Defining an Event Handler

<----->object DBNavigator1:
TDBNavigator
Left = 4
Top = 168
Width = 210
Height = 18
TabOrder = 3
end
<----->object MainMenu1:
TMainMenu
Left = 165
Top = 224
<----->object About1:
TMenuItem
Caption = '&About'
OnClick = About1Click
end
end
End
لAboutBoxالملف النصي
<----->object FMAboutBox:
TFMAboutBox
Left = 189
Top = 185
BorderStyle = bsDialog
Caption = 'About'
ClientHeight = 321
ClientWidth = 298
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<----->object Panel1: TPanel
Left = 8
Top = 8

tblMasterSYMBOL: TStringField
Alignment = taCenter
DisplayLabel = 'Symbol'
DisplayWidth = 7
FieldName = 'SYMBOL'
Size = 7
end
<----->object
tblMasterCO_NAME: TStringField
DisplayLabel = 'Company'
DisplayWidth = 20
FieldName = 'CO_NAME'
end
<----->object
tblMasterEXCHANGE: TStringField
DisplayLabel = 'Exchange'
DisplayWidth = 8
FieldName = 'EXCHANGE'
Size = 8
end
<----->object
tblMasterIndustryLongName: TStringField
Alignment = taCenter
DisplayLabel = 'Industry'
DisplayWidth = 18
FieldKind = fkLookup
FieldName = 'IndustryLongName'
LookupDataSet = tblIndustry
LookupKeyFields = 'IND_CODE'
LookupResultField = 'LONG_NAME'
KeyFields = 'INDUSTRY'
Size = 32
Lookup = True
end
<----->object
tblMasterCUR_PRICE: TFloatField
DisplayLabel = 'Current Price'
DisplayWidth = 10
FieldName = 'CUR_PRICE'
DisplayFormat = '\$ ###.00'
EditFormat = '#,###.00'
end
<----->object

at runtime'
"
'CtrlGrid uses the Stock, Holdings and Industry '
'tables from the DBDemos data to display a '
'listing of portfolio investments and their current '
'valuation.'
")
ReadOnly = True
ScrollBars = ssVertical
TabOrder = 0
end
end
<----->object OKButton: TButton
Left = 103
Top = 284
Width = 77
Height = 27
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 1
end
End
dm1الملف النصي للوحدة
<----->object DM1: TDM1
OldCreateOrder = True
OnCreate = DataModuleCreate
Left = 315
Top = 359
Height = 179
Width = 202
<----->object tblMaster: TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexName = 'SYMBOL'
TableName = 'MASTER.DBF'
Left = 24
Top = 12
<----->object

DisplayFormat = '###%'
EditFormat = '###'
end
<----->object
tblMasterRATING: TStringField
Alignment = taCenter
DisplayLabel = 'Rating'
DisplayWidth = 5
FieldName = 'RATING'
Size = 4
end
<----->object tblMasterRANK:
TFloatField
Alignment = taCenter
DisplayLabel = 'Rank'
DisplayWidth = 5
FieldName = 'RANK'
end
<----->object
tblMasterOUTLOOK:
TSmallintField
Alignment = taCenter
DisplayLabel = 'Outlook'
DisplayWidth = 7
FieldName = 'OUTLOOK'
end
<----->object
tblMasterRCMNDATION:
TStringField
Alignment = taCenter
DisplayLabel = 'Recc.'
DisplayWidth = 6
FieldName = 'RCMNDATION'
Size = 5
end
<----->object tblMasterRISK:
TStringField
Alignment = taCenter
DisplayLabel = 'Risk'
DisplayWidth = 6
FieldName = 'RISK'
Size = 4
end
end
<----->object dsMaster:
TDataSource
DataSet = tblMaster
Left = 76

tblMasterYRL_HIGH: TFloatField
DisplayLabel = 'Yr. High'
DisplayWidth = 10
FieldName = 'YRL_HIGH'
DisplayFormat = '\$ #,###.00'
EditFormat = '#,###.00'
end
<----->object
tblMasterYRL_LOW: TFloatField
DisplayLabel = 'Yr. Low'
DisplayWidth = 10
FieldName = 'YRL_LOW'
DisplayFormat = '\$ #,###.00'
EditFormat = '#,###.00'
end
<----->object
tblMasterP_E_RATIO: TFloatField
Alignment = taCenter
DisplayLabel = 'P/E Ratio'
DisplayWidth = 10
FieldName = 'P_E_RATIO'
end
<----->object
tblMasterPROJ_GRTH:
TFloatField
Alignment = taCenter
DisplayLabel = 'Proj. Growth'
DisplayWidth = 10
FieldName = 'PROJ_GRTH'
DisplayFormat = '###%'
EditFormat = '###'
end
<----->object
tblMasterINDUSTRY:
TSmallintField
Alignment = taCenter
DisplayLabel = 'Industry'
DisplayWidth = 10
FieldName = 'INDUSTRY'
Visible = False
end
<----->object
tblMasterPRICE_CHG:
TSmallintField
Alignment = taCenter
DisplayLabel = 'Price Change'
DisplayWidth = 10
FieldName = 'PRICE_CHG'

<----->object
tblHoldingsACCT_NBR:
TFloatField
DisplayLabel = 'Account No.'
FieldName = 'ACCT_NBR'
end
<----->object
tblHoldingsSHARES: TFloatField
DisplayLabel = 'Shares'
FieldName = 'SHARES'
DisplayFormat = '###,###,###'
EditFormat = '###,###,###'
end
<----->object
tblHoldingsPUR_PRICE:
TFloatField
DisplayLabel = 'Purchase Price'
FieldName = 'PUR_PRICE'
DisplayFormat = '\$ #,###.00'
EditFormat = '#,###.00'
end
<----->object
tblHoldingsPUR_DATE: TDateField
DisplayLabel = 'Purchase Date'
FieldName = 'PUR_DATE'
DisplayFormat = 'mmm. dd, yyyy'
end
<----->object
tblHoldingsSYMBOL: TStringField
FieldName = 'SYMBOL'
Visible = False
Size = 7
end
<----->object
tblHoldingsPUR_COST:
TCurrencyField
FieldKind = fkCalculated
FieldName = 'PUR_COST'
Calculated = True
end
<----->object dsHoldings:
TDataSource
DataSet = tblHoldings
Left = 80
Top = 68
end
End

Top = 12
end
<----->object tblIndustry: TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexName = 'IND_CODE'
MasterFields = 'INDUSTRY'
TableName = 'INDUSTRY.DBF'
Left = 140
Top = 12
<----->object
tblIndustryIND_CODE:
TSmallintField
FieldName = 'IND_CODE'
Visible = False
end
<----->object
tblIndustryIND_NAME:
TStringField
FieldName = 'IND_NAME'
Size = 5
end
<----->object
tblIndustryLONG_NAME:
TStringField
FieldName = 'LONG_NAME'
end
end
<----->object dsIndustry:
TDataSource
DataSet = tblIndustry
Left = 136
Top = 68
end
<----->object tblHoldings: TTable
Active = True
AfterOpen =
tblHoldingsAfterOpen
AfterPost = tblHoldingsAfterPost
OnCalcFields =
tblHoldingsCalcFields
DatabaseName = 'DBDEMOS'
IndexName = 'SYMBOL'
MasterFields = 'SYMBOL'
MasterSource = dsMaster
TableName = 'HOLDINGS.DBF'
Left = 12
Top = 68

Forms, StdCtrls, DBCtrls, DBGrids, DB, DBTables, Buttons, Grids, ExtCtrls;
type
TForm1 = class(TForm)
Panel1: TPanel;
Label1: TLabel;
DBImage1: TDBImage;
DBLabel1: TDBText;
DBMemo1: TDBMemo;
DataSource1: TDataSource;
Table1: TTable;
Table1Common_Name: TStringField;
Table1Graphic: TBlobField;
DBGrid1: TDBGrid;
BitBtn1: TBitBtn;
Table1Category: TStringField;
Table1SpeciesName: TStringField;
Table1Lengthcm: TFloatField;
Table1Length_In: TFloatField;
Table1Notes: TMemoField;
procedure FormCreate(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
Form1: TForm1;
implementation
{\$R *.dfm}
procedure TForm1.FormCreate(Sender: TObject);
begin
end;
end.

انتهى البرنامج والآن إلى الصور المساعدة

4FishFact الملف التنفيذي للبرنامج :
FishFact
unit Ffactwin;
{ This application shows how to display Paradox style memo and graphic fields in a form. Table1's DatabaseName property should point to the Delphi sample database. Table1's TableName property should be set to the BIOLIFE table. }
interface
uses
SysUtils, Windows, Messages, Classes, Graphics, Controls,

Left = 6
Top = 8
Width = 259
Height = 217
Hint = 'Scroll grid below to see other fish'
ParentShowHint = False
ShowHint = True
TabOrder = 0
<<-----object---- DBLabel1: TDBText
Left = 4
Top = 183
Width = 249
Height = 24
DataField = 'Common_Name'
DataSource = DataSource1
Font.Charset = DEFAULT_CHARSET
Font.Color = clRed
Font.Height = -19
Font.Name = 'MS Serif'
Font.Style = [fsBold, fsItalic]
ParentFont = False
end
<<-----object---- DBImage1: TDBImage
Left = 5
Top = 8
Width = 248
Height = 168
Hint = 'Scroll grid below to see other fish'
DataField = 'Graphic'
DataSource = DataSource1
TabOrder = 0
end
end
object Panel2: TPanel
Left = 275
Top = 8
Width = 223
Height = 22
TabOrder = 1
<<-----object---- Label1: TLabel
Left = 7
Top = 4
Width = 56

FishFact

4FishFact

program Fishfact;
إعداد علاء الدين اللباد ٠٩٤٤٥٧٥٣٧١ الملف النصي
Uses
Forms,
Ffactwin in 'FFACTWIN.PAS' {Form1};
{SR *.RES}
begin
Application.Initialize;
Application.CreateForm(TForm1, Form1);
Application.Run;
end.
object Form1: TForm1
Left = 223
Top = 158
ActiveControl = DBImage1
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsSingle
Caption = 'FISH FACTS'
ClientHeight = 394
ClientWidth = 596
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
ShowHint = True
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
object Panel1: TPanel

Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentCtl3D = False
ParentFont = False
ScrollBars = ssVertical
TabOrder = 0
end
end
object Panel4: TPanel
Left = 0
Top = 322
Width = 596
Height = 72
Align = alBottom
BevelInner = bvRaised
BorderStyle = bsSingle
ParentShowHint = False
ShowHint = True
TabOrder = 3
<<-----object---- DBGrid1: TDBGrid
Left = 12
Top = 8
Width = 386
Height = 53
Hint = 'Scroll up/down to see other fish!'
DataSource = DataSource1
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
<<-----object---- BitBtn1: TBitBtn
Left = 424

Height = 13
Caption = 'About the'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<<-----object---- DBLabel2: TDBText
Left = 67
Top = 4
Width = 99
Height = 13
AutoSize = True
DataField = 'Common_Name'
DataSource = DataSource1
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
end
object Panel3: TPanel
Left = 276
Top = 32
Width = 223
Height = 193
BevelOuter = bvLowered
TabOrder = 2
<<-----object---- DBMemo1: TDBMemo
Left = 3
Top = 2
Width = 217
Height = 183
BorderStyle = bsNone
Color = clSilver
Ctl3D = False
DataField = 'Notes'
DataSource = DataSource1
Font.Charset = DEFAULT_CHARSET

FieldName = 'Common_Name'
Visible = False
Size = 30
end
<<-----object---- Table1Notes:
TMemoField
FieldName = 'Notes'
BlobType = ftMemo
Size = 50
end
<<-----object---- Table1Graphic:
TBlobField
FieldName = 'Graphic'
ReadOnly = True
Visible = False
end
end
End

Top = 20
Width = 57
Height = 29
Hint = 'Close Fish Facts'
Caption = 'E&xit'
TabOrder = 1
Kind = bkClose
end
end
object DataSource1: TDataSource
DataSet = Table1
Left = 19
Top = 193
end
object Table1: TTable
Active = True
DatabaseName = 'DBDEMOS'
ReadOnly = True
TableName = 'BIOLIFE'
Left = 221
Top = 193
<<-----object---- Table1Category:
TStringField
DisplayWidth = 15
FieldName = 'Category'
Size = 15
end
<<-----object----
Table1SpeciesName: TStringField
DisplayWidth = 20
FieldName = 'Species Name'
Size = 40
end
<<-----object---- Table1Lengthcm:
TFloatField
DisplayWidth = 11
FieldName = 'Length (cm)'
end
<<-----object---- Table1Length_In:
TFloatField
DisplayWidth = 10
FieldName = 'Length_In'
DisplayFormat = '0.00'
end
<<-----object----
Table1Common_Name:
TStringField
DisplayWidth = 30

الهدف من هذا البرنامج هو تعريف الطالب بكيفية التعامل مع البيانات المخزنة ضمن data base وذلك بإدخالها ضمن برنامج الدلفي من اجل حمايتها أولا ومن ثم إظهارها بالمظهر اللائق وتصميم الواجهة حسب ذوق المستثمر وإظهار الإبداع لدى المبرمج من اجل إيصال الفكرة المقصودة من البرنامج وقد تم شرح هذا البرنامج خطوة خطوة ويجب الانتباه إلى ما يلي في أي قاعدة بيانات مستوردة :

١- في التعليمات Table1 يجب ان يكون :

object Table1: TTable
Active = True
DatabaseName = 'DBDEMOS'
Name=table1'
ReadOnly = True
TableName = 'BIOLIFE'
Left = 221
Top = 193

٤- يجب ان يتم التعامل مع التعليمات السابقة حسب التسلسل أي نبدأ من ١ الي ٣

وبالنسبة للأزرار الموجودة على الشكل فهي موزعة على الصفحات كما يلي :

object Form1: TForm1:
standard
DBLabel1 : datacontrol

dataAccess,Bde,Additional
أي ان التعامل مع ه صفحات فقط

ثم ننقر بزر الفارة الأيمن على التعليمة table1 ثم نختار الحقول المطلوبة ونقر add أي اضافة الحقول الى الجدول

٢- في التعليمة DataSource1 يجب ان يكون :

object DataSource1: TDataSource
DataSet = Table1
Tablename=biolife.db
Active=true
Name = DataSource1
Databasename=DBDemos
Left = 19
Top = 193
end

٣- في التعليمة Dbgrid1 يجب أن يكون :

-----object----- DBGrid1: TDBGrid
Left = 12
Top = 8
Width = 386
Height = 53
Hint = 'Scroll up/down to see other fish!'
DataSource = DataSource1
Dataset = table1
Active = true
Databasename=DBDemos
Tablename=biolife.db
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end

unit bmpformu;
// A TBitmap is an encapsulation of the windows BITMAP and PALETTE which
// manages realizing of the palette automatically.
//
// The bitmap can be loaded from a .BMP file (LoadFromFile method) or a
// resource (LoadFromResourceName or LoadFromResourceID method) and saved
// back to a file (SaveToFile method). It can be drawn on a canvas by
// using the TCanvas' Draw or StretchDraw method. The size of the bitmap
// can be determined by using the Height and Width properties of TBitmap.
//
// The example below illustrates the use of the following:
//
// TBitmap, Palette, LoadFromFile, Draw, Height, Width
// Be sure that a small bitmap file named bor6.bmp is present in the same
// directory as the .exe file.
// Disclaimer: This is an example of using TBitmaps and is not intended to
// be an efficient method of tiling a form.
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
StdCtrls;

Objects
الملف الكامل النصي والتنفيذي
لبرنامج
(6Bitmap)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
برنامج لتغيير لون الخلفية
!
الملف التنفيذي
Procedures 12

```
// since we're going to be painting the
// whole form, handling this
// message will suppress the
// unnecessary repainting of the
// background
// which can result in flicker.
<-----> procedure
TBmpform.WMEraseBkgnd(var m :
TWMEraseBkgnd);
begin
m.Result := LRESULT(False);
end;

<-----> procedure
TBmpForm.FormPaint(Sender:
TObject);
var
x, y: Integer;
begin
y := 0;
while y < Height do
begin
x := 0;
while x < Width do
begin
Canvas.Draw(x, y, Bitmap);
x := x + Bitmap.Width;
end;
y := y + Bitmap.Height;
end;
end;

<-----> procedure
TBmpForm.Button1Click(Sender:
TObject);
begin
ScrambleBitmap;
Invalidate;
end;

//
// scrambling the bitmap is easy
// when it's has 256 colors:
// we just need to change each of the
// color in the palette
// to some other value.
//
<-----> procedure
```

```
type
TBmpForm = class(TForm)
Button1: TButton;
<-----> procedure
FormDestroy(Sender: TObject);
<-----> procedure
FormPaint(Sender: TObject);
<-----> procedure
Button1Click(Sender: TObject);
<-----> procedure
FormCreate(Sender: TObject);
private
{ Private declarations }
Bitmap: TBitmap;
<-----> procedure
ScrambleBitmap;
<-----> procedure
WMEraseBkgnd(var m:
TWMEraseBkgnd); message
WM_ERASEBKGD;
Public
{ Public declarations }
end;

Var
BmpForm: TBmpForm;

Implementation

{$R *.DFM}

<-----> procedure
TBmpForm.FormCreate(Sender:
TObject);
begin
Bitmap := TBitmap.Create;

Bitmap.LoadFromFile('bor6.bmp');
end;

<-----> procedure
TBmpForm.FormDestroy(Sender:
TObject);
begin
Bitmap.Free;
end;
```

Font.Style = []
OldCreateOrder = True
OnCreate = FormCreate
OnDestroy = FormDestroy
OnPaint = FormPaint
PixelsPerInch = 96
TextHeight = 13
object Button1: TButton
Left = 56
Top = 40
Width = 113
Height = 25
Caption = 'Scramble Palette'
TabOrder = 0
OnClick = Button1Click
end
End

TBmpForm.ScrambleBitmap;
var
pal: PLogPalette;
hpal: HPALETTE;
i: Integer;
begin
pal := nil;
try
GetMem(pal, sizeof(TLogPalette) + sizeof(TPaletteEntry) * 255);
pal.palVersion := \$300;
pal.palNumEntries := 256;
for i := 0 to 255 do
begin
pal.palPalEntry[i].peRed := Random(255);
pal.palPalEntry[i].peGreen := Random(255);
pal.palPalEntry[i].peBlue := Random(255);
end;
hpal := CreatePalette(pal^);
if hpal <> 0 then
Bitmap.Palette := hpal;
finally
FreeMem(pal);
end;
end;
end.
//
الملف النصي للبرنامج
object BmpForm: TBmpForm
Left = 136
Top = 124
Width = 466
Height = 334
Caption = 'BmpForm'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'

Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
StdCtrls, ComCtrls, Menus, ExtCtrls;
type
TComboForm = class(TForm)
CbDrop: TComboBox;
CbDropList: TComboBox;
CbSimple: TComboBox;
Label1: TLabel;
Label2: TLabel;
Label3: TLabel;
Label4: TLabel;
MainMenu1: TMainMenu;
ComboStyle: TMenuItem;
CmSimple: TMenuItem;
CmDrop: TMenuItem;
CmDropList: TMenuItem;
Add1: TMenuItem;
CmAddString: TMenuItem;
CmAddStringAt: TMenuItem;
Search1: TMenuItem;
CmFindString: TMenuItem;
CmFindIndex: TMenuItem;
CmDelete: TMenuItem;
CmList: TMenuItem;
CmDelString: TMenuItem;
CmDelIndex: TMenuItem;
CmShowList: TMenuItem;
CmClear: TMenuItem;
N1: TMenuItem;
Label5: TLabel;
EdCursel: TEdit;
EdCuridx: TEdit;
EdCurlen: TEdit;
EdEdit: TEdit;
EdEditlen: TEdit;
CmSortList: TMenuItem;
Bevel1: TBevel;
procedure ComboStyleClick(Sender: TObject);
procedure CmSimpleClick(Sender: TObject);
procedure CmDropClick(Sender: TObject);
procedure

Objects
الملف التنفيذي لبرنامج
(Combobox)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit combform;
interface
uses

property CbActive: TComboBox read FCbActive write SetCbActive;
public
{ Public declarations }
end;
var
ComboForm: TComboForm;
implementation
uses inptform;
{SR *.DFM}
// ----- //
// event handlers //
// ----- //
procedure TComboForm.FormCreate(Sender: TObject);
begin
FCbActive := CbSimple;
CbSimple.Visible := True;
CbDrop.Visible := False;
CbDropList.Visible := False;
NewSelection;
end;
// Control notifications
// -----
//
// close form
//
procedure TComboForm.Button1Click(Sender: TObject);
begin
Close;
end;
procedure TComboForm.ComboChange(Sende r: TObject);
begin

CmDropListClick (Sender: TObject);
procedure FormCreate(Sender: TObject);
procedure ComboChange(Sender: TObject);
procedure CmClearClick(Sender: TObject);
procedure CmDelStringClick(Sender: TObject);
procedure CmDelIndexClick(Sender: TObject);
procedure CmFindStringClick(Sender: TObject);
procedure CmFindIndexClick(Sender: TObject);
procedure CmAddStringClick(Sender: TObject);
procedure CmAddStringAtClick(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure CmSortListClick(Sender: TObject);
procedure CmListClick(Sender: TObject);
procedure CmShowListClick(Sender: TObject);
private
{ Private declarations }
FCbActive: TComboBox;
procedure SetCbActive(cb: TComboBox);
procedure NewSelection;
procedure DeleteAt(idx: Integer);
procedure AddAt(idx: Integer; s: string);
procedure SelectAt(idx: Integer);
function FindString(s: string): Integer;

add:', s) then
AddAt(0, s);
end;
procedure
TComboForm.CmAddStringAtClick
(Sender: TObject);
var
i: Integer;
s: string;
begin
if InputForm.GetString('String to
add:', s)
and
InputForm.GetInteger('Index to
insert at:', i) then
AddAt(i, s);
end;
// Find menu
// -----
procedure
TComboForm.CmFindStringClick(S
ender: TObject);
var
s: string;
begin
if InputForm.GetString('String to
select:', s) then
SelectAt(FindString(s));
end;
procedure
TComboForm.CmFindIndexClick(S
ender: TObject);
var
i: Integer;
begin
if InputForm.GetInteger('Index to
select:', i) then
SelectAt(i);
end;
// Delete menu
// -----
procedure
TComboForm.CmDelStringClick(Se
nder: TObject);

NewSelection;
end;
// ComboBox menu
// -----
procedure
TComboForm.ComboStyleClick(Sen
der: TObject);
begin
CmSimple.Checked := CbActive =
CbSimple;
CmDrop.Checked := CbActive =
CbDrop;
CmDropList.Checked := CbActive
= CbDropList;
end;
procedure
TComboForm.CmSimpleClick(Send
er: TObject);
begin
CbActive := CbSimple;
end;
procedure
TComboForm.CmDropClick(Sender
: TObject);
begin
CbActive := CbDrop;
end;
procedure
TComboForm.CmDropListClick(Se
nder: TObject);
begin
CbActive := CbDropList;
end;
// Add menu
// -----
procedure
TComboForm.CmAddStringClick(S
ender: TObject);
var
s: string;
begin
if InputForm.GetString('String to

```

CmShowList.Enabled := CbActive
<> CbSimple;
CmSortList.Checked :=
CbActive.Sorted;
end;

// ----- //
// private methods //
// ----- //

procedure
TComboForm.NewSelection;
begin
if CbActive.ItemIndex = -1 then
EdCursel.Text := ''
else
EdCursel.Text :=
CbActive.Items[CbActive.ItemIndex
];
EdCuridx.Text :=
IntToStr(CbActive.ItemIndex);
EdCurlen.Text :=
IntToStr(length(EdCursel.Text));

EdEdit.Text := CbActive.Text;
EdEditlen.Text :=
IntToStr(length(EdEdit.Text));
end;

procedure
TComboForm.SetCbActive(cb:
TComboBox);
begin
if FCbActive <> cb then
begin
FCbActive.Visible := False;
FCbActive := cb;
FCbActive.Visible := True;
NewSelection;
end;
end;

//
// Delete an item from the active
combobox given its index.
// Ignores bogus indices.
//

```

```

var
s: string;
begin
if InputForm.GetString('String to
delete:', s) then
DeleteAt(FindString(s));
end;

procedure
TComboForm.CmDelIndexClick(Se
nder: TObject);
var
i: Integer;
begin
if InputForm.GetInteger('Index to
delete:', i) then
DeleteAt(i);
end;

procedure
TComboForm.CmClearClick(Sende
r: TObject);
begin
CbActive.Clear;
end;

// List menu
// -----
procedure
TComboForm.CmShowListClick(Se
nder: TObject);
begin
CbActive.DroppedDown := not
CbActive.DroppedDown;
end;

procedure
TComboForm.CmSortListClick(Sen
der: TObject);
begin
CbActive.Sorted := not
CbActive.Sorted;
end;

procedure
TComboForm.CmListClick(Sender:
TObject);
begin

```

1.
//
function TComboForm.FindString(s: string): Integer;
var
i: Integer;
begin
i := 0;
while (i < CbActive.Items.Count) and (CbActive.Items[i] <> s) do
inc(i);
Result := i;
end;
end.

procedure TComboForm.DeleteAt(idx: Integer);
begin
if idx >= 0 then
CbActive.Items.Delete(idx);
end;
//
// Add a string into the active combobox at the given index.
// If the index is too big, append the item, if too small,
// insert it at the top.
//
procedure TComboForm.AddAt(idx: Integer; s: string);
begin
if idx > CbActive.Items.Count then
CbActive.Items.Append(s)
else
begin
if idx < 0 then
idx := 0;
CbActive.Items.Insert(idx, s);
end;
end;
//
// Select an item in the active combobox given it's index.
// A bogus index will result in an exception.
procedure TComboForm.SelectAt(idx: Integer);
begin
CbActive.ItemIndex := idx;
NewSelection;
end;
//
// Find the index of an item in the combobox given a string.
// If the string does not exist, return -

Objects
الملف النصي لبرنامج
(Combobox)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١
object ComboForm: TComboForm
Left = 227
Top = 141
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsSingle
Caption = 'ComboBox demo'
ClientHeight = 281
ClientWidth = 611
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu1

Left = 40
Top = 48
Width = 178
Height = 21
ItemHeight = 13
TabOrder = 0
Visible = False
OnChange = ComboChange
Items.Strings = ('in' 'this' 'box' 'we' 'have' 'a' 'list' 'of' 'strings')
end
object CbDropList: TComboBox
Left = 40
Top = 48
Width = 178
Height = 21
Style = csDropDownList
ItemHeight = 13
TabOrder = 1
Visible = False
OnChange = ComboChange
Items.Strings = ('Closer' 'Still' 'Substance' 'Little Earthquakes' 'Under the Pink' 'Boys for Pele')
end
object CbSimple: TComboBox
Left = 40
Top = 48
Width = 178
Height = 129
Style = csSimple
ItemHeight = 13
TabOrder = 2
OnChange = ComboChange
Items.Strings = ('Return of the Native'

OldCreateOrder = True
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
object Label1: TLabel
Left = 288
Top = 48
Width = 82
Height = 13
Caption = 'Current selection:'
end
object Label2: TLabel
Left = 305
Top = 82
Width = 65
Height = 13
Caption = 'Current index:'
end
object Label3: TLabel
Left = 241
Top = 116
Width = 129
Height = 13
Caption = 'Length of current selection:'
end
object Label4: TLabel
Left = 321
Top = 150
Width = 49
Height = 13
Caption = 'Edit string:'
end
object Label5: TLabel
Left = 271
Top = 176
Width = 99
Height = 13
Caption = 'Length of Edit String:'
end
object Bevel1: TBevel
Left = 0
Top = 0
Width = 611
Height = 2
Align = alTop
end
object CbDrop: TComboBox

Top = 8
object ComboStyle: TMenuItem
Caption = '&ComboBox'
OnClick = ComboStyleClick
object CmSimple: TMenuItem
Caption = '&Simple'
OnClick = CmSimpleClick
end
object CmDrop: TMenuItem
Caption = '&Dropdown'
OnClick = CmDropClick
end
object CmDropList: TMenuItem
Caption = 'Dropdown &list'
OnClick = CmDropListClick
end
end
object Add1: TMenuItem
Caption = '&Add'
object CmAddString:
TMenuItem
Caption = '&String...'
OnClick = CmAddStringClick
end
object CmAddStringAt:
TMenuItem
Caption = 'String &at...'
OnClick =
CmAddStringAtClick
end
end
object Search1: TMenuItem
Caption = '&Find'
object CmFindString:
TMenuItem
Caption = '&String...'
OnClick = CmFindStringClick
end
object CmFindIndex:
TMenuItem
Caption = '&Index...'
OnClick = CmFindIndexClick
end
end
object CmDelete: TMenuItem
Caption = '&Delete'
object CmDelString: TMenuItem
Caption = '&String...'

'Jude the Obscure'
'One Hundred Years of Solitude'
'The Autumn of the Patriarch'
'Idoru'
'Neuromancer')
end
object EdCursel: TEdit
Left = 384
Top = 48
Width = 178
Height = 21
ReadOnly = True
TabOrder = 3
end
object EdCuridx: TEdit
Left = 384
Top = 80
Width = 178
Height = 21
ReadOnly = True
TabOrder = 4
end
object EdCurlen: TEdit
Left = 384
Top = 112
Width = 178
Height = 21
ReadOnly = True
TabOrder = 5
end
object EdEdit: TEdit
Left = 384
Top = 144
Width = 178
Height = 21
ReadOnly = True
TabOrder = 6
end
object EdEditlen: TEdit
Left = 384
Top = 176
Width = 178
Height = 21
ReadOnly = True
TabOrder = 7
end
object MainMenu1: TMainMenu
Left = 8

PixelsPerInch = 96
TextHeight = 13
object PromptLabel: TLabel
Left = 40
Top = 8
Width = 5
Height = 13
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object InputEdit: TEdit
Left = 36
Top = 24
Width = 193
Height = 21
TabOrder = 0
end
object Button1: TButton
Left = 43
Top = 72
Width = 75
Height = 25
Caption = '&OK'
Default = True
ModalResult = 1
TabOrder = 1
end
object Button2: TButton
Left = 147
Top = 72
Width = 75
Height = 25
Caption = '&Cancel'
ModalResult = 2
TabOrder = 2
end
End

OnClick = CmDelStringClick
end
object CmDelIndex: TMenuItem
Caption = '&Index...'
OnClick = CmDelIndexClick
end
object N1: TMenuItem
Caption = '-'
end
object CmClear: TMenuItem
Caption = '&All'
OnClick = CmClearClick
end
end
object CmList: TMenuItem
Caption = '&List'
OnClick = CmListClick
object CmShowList: TMenuItem
Caption = '&Show'
OnClick = CmShowListClick
end
object CmSortList: TMenuItem
Caption = 'So&rt'
OnClick = CmSortListClick
end
end
end
End
object InputForm: TInputForm
Left = 150
Top = 147
Width = 274
Height = 140
ActiveControl = InputEdit
Caption = 'InputForm'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter

Forms,
Main in 'Main.pas' {FmMain},
DM1 in 'Dm1.pas' {DM},
About in 'About.pas'
{FmAboutBox};
{SR *.RES}
begin
Application.Initialize;
Application.CreateForm(TFmMain,
FmMain);
Application.CreateForm(TDM,
DM);
Application.Run;
end.
////////////////////////////////////
unit Main;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
Grids, DBGrids, ExtCtrls, DBCtrls,
DB, DBTables, StdCtrls, Menus;
type
TFmMain = class(TForm)
DBNavigator1: TDBNavigator;
GridCustomers: TDBGrid;
GridOrders: TDBGrid;
GridItems: TDBGrid;
Label1: TLabel;
Label3: TLabel;
Label4: TLabel;
MainMenu1: TMainMenu;
About1: TMenuItem;
procedure
GridOrdersEnter(Sender: TObject);
procedure
GridCustomersEnter(Sender:

Objects
الملف التنفيذي لبرنامج
(DbErrors)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program DBErrors;
uses

er: TObject);
begin
if Dm.Customer.State in [dsEdit,dsInsert] then
Dm.Customer.Post; {required if user clicks onto details after changing key so that cascaded update displays properly}
end;
procedure TFmMain.About1Click(Sender: TObject);
var
fmAboutBox : TFmAboutBox;
begin
FmAboutBox := TFmAboutBox.Create(self);
try
FmAboutBox.showModal;
finally
FmAboutBox.free;
end;
end;
end.
////////////////////////////////////
(*
This example represents a sampling of the way that you might approach trapping a number of database errors.
A complete listing of the database errorcodes is found in the DBIErrs.Int file in the Delphi/Doc directory or in the IDAPI.h file in the Borland Database Engine.
Database errors are defined by category and code. Here's a sample:
{ ERRCAT_INTEGRITY }

TObject);
procedure
GridItemsEnter(Sender: TObject);
procedure
GridCustomersExit(Sender: TObject);
procedure About1Click(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
FmMain: TFmMain;
implementation
uses DMI, About;
{\$R *.dfm}
procedure
TFmMain.GridOrdersEnter(Sender : TObject);
begin
DBNavigator1.DataSource := Dm.OrdersSource;
end;
procedure
TFmMain.GridCustomersEnter(Sen der: TObject);
begin
DBNavigator1.DataSource := Dm.CustomerSource;
end;
procedure
TFmMain.GridItemsEnter(Sender: TObject);
begin
DBNavigator1.DataSource := Dm.ItemsSource;
end;
procedure
TFmMain.GridCustomersExit(Send

DBIERR_DETAILRECORDSEXIST = (ERRBASE_INTEGRITY + ERRCODE_DETAILRECORDSEXIST);
DBIERR_FORIEGNKEYERR = (ERRBASE_INTEGRITY + ERRCODE_FORIEGNKEYERR);
The ERRBASE_INTEGRITY value is \$2600 (Hex 2600) or 9728 decimal.
Thus, for example, the errorcode for keyviol is 9729
for master with details is 9734.
*)
unit DM1;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
DBTables, DB;
type
TDM = class(TDataModule)
Customer: TTable;
CustomerCustNo: TFloatField;
CustomerCompany: TStringField;
CustomerSource: TDataSource;
Orders: TTable;
OrdersSource: TDataSource;
Items: TTable;
ItemsOrderNo: TFloatField;
ItemsItemNo: TFloatField;
ItemsPartNo: TFloatField;
ItemsQty: TIntegerField;
ItemsDiscount: TFloatField;
ItemsSource: TDataSource;
OrdersOrderNo: TFloatField;
OrdersCustNo: TFloatField;
OrdersSaleDate: TDateTimeField;
OrdersShipDate: TDateTimeField;

ERRCODE_KEYVIOL = 1; { Key violation }
ERRCODE_MINVALERR = 2; { Min val check failed }
ERRCODE_MAXVALERR = 3; { Max val check failed }
ERRCODE_REQDERR = 4; { Field value required }
ERRCODE_FORIEGNKEYERR = 5; { Master record missing }
ERRCODE_DETAILRECORDSEXIST = 6; { Cannot MODIFY or DELETE this Master record }
ERRCODE_MASTERTBLLEVEL = 7; { Master Table Level is incorrect }
ERRCODE_LOOKUPTABLEERR = 8; { Field value out of lookup tbl range }
ERRCODE_LOOKUPTBLOPENERR = 9; { Lookup Table Open failed }
ERRCODE_DETAILTBLOPENERR = 10; { 0x0a Detail Table Open failed }
ERRCODE_MASTERTBLOPENERR = 11; { 0x0b Master Table Open failed }
ERRCODE_FIELDISBLANK = 12; { 0x0c Field is blank }
The constant for the base category is added to these constants to represent
a unique DBI errorcode;
DBIERR_KEYVIOL = (ERRBASE_INTEGRITY + ERRCODE_KEYVIOL);
DBIERR_REQDERR = (ERRBASE_INTEGRITY + ERRCODE_REQDERR);

if (E is EDBEngineError) then
if (E as EDBEngineError).Errors[0].Errorcode = eKeyViol then
begin
MessageDlg('Unable to post: Duplicate Customer ID.', mtWarning, [mbOK], 0);
Abort;
end;
end;
procedure TDM.CustomerDeleteError(DataSet : TDataSet;
E: EDatabaseError; var Action: TDataAction);
begin
if (E is EDBEngineError) then
if (E as EDBEngineError).Errors[0].Errorcode = eDetailsExist then
{the customer record has dependent details in the Orders table.}
begin
MessageDlg('To delete this record, first delete related orders and items.',
mtWarning, [mbOK], 0);
Abort;
end;
end;
end;
procedure TDM.ItemsPostError(DataSet: TDataSet; E: EDatabaseError;
var Action: TDataAction);
begin
{This error will occur when a part number is specified that is not in the parts table.}
if (E as EDBEngineError).Errors[0].Errorcode = eForeignKey then
begin
MessageDlg('Part number is invalid', mtWarning,[mbOK],0);
Abort;

OrdersEmpNo: TIntegerField;
procedure CustomerPostError(DataSet: TDataSet; E: EDatabaseError;
var Action: TDataAction);
procedure CustomerDeleteError(DataSet: TDataSet; E: EDatabaseError;
var Action: TDataAction);
procedure ItemsPostError(DataSet: TDataSet; E: EDatabaseError;
var Action: TDataAction);
procedure OrdersPostError(DataSet: TDataSet; E: EDatabaseError;
var Action: TDataAction);
procedure OrdersDeleteError(DataSet: TDataSet; E: EDatabaseError;
var Action: TDataAction);
private
{ Private declarations }
public
{ Public declarations }
end;
var
DM: TDM;
const
{Declare constants we're interested in}
eKeyViol = 9729;
eRequiredFieldMissing = 9732;
eForeignKey = 9733;
eDetailsExist = 9734;
implementation
{ \$R *.dfm }
procedure TDM.CustomerPostError(DataSet: TDataSet;
E: EDatabaseError; var Action: TDataAction);
begin

```

and related items?',
mtConfirmation,
  [mbYes, mbNo], 0) = mrYes
then
  begin
    {Delete related records in linked
'items' table}
    while Items.RecordCount > 0 do
      Items.delete;
    {Finally,delete this record}
    Action := daRetry;
  end else Abort;
end;
end.
////////////////////////////////////
unit About;

interface

uses Windows, SysUtils, Classes,
Graphics, Forms, Controls, StdCtrls,
Buttons, ExtCtrls, ComCtrls;

type
TFmAboutBox = class(TForm)
  Panel1: TPanel;
  ProgramIcon: TImage;
  ProductName: TLabel;
  Version: TLabel;
  Panel2: TPanel;
  Label2: TLabel;
  Image1: TImage;
  Memo1: TMemo;
  Button1: TButton;
private
  { Private declarations }
public
  { Public declarations }
end;

var
  FmAboutBox: TFmAboutBox;

implementation

```

```

end;
end;

procedure
TDM.OrdersPostError(DataSet:
TDataSet; E: EDatabaseError;
var Action: TDataAction);
var
  iDBIError: Integer;
begin
  if (E is EDBEngineError) then
    begin
      iDBIError := (E as
EDBEngineError).Errors[0].Errorc
ode;
      case iDBIError of
        eRequiredFieldMissing:
          {The EmpNo field is defined as
being required.}
          begin
            MessageDlg('Please provide an
Employee ID', mtWarning, [mbOK],
0);
            Abort;
          end;
        eKeyViol:
          {The primary key is OrderNo}
          begin
            MessageDlg('Unable to post.
Duplicate Order Number',
mtWarning,
[mbOK], 0);
            Abort;
          end;
        end;
      end;
    end;
end;

procedure
TDM.OrdersDeleteError(DataSet:
TDataSet; E: EDatabaseError;
var Action: TDataAction);
begin
  if E is EDBEngineError then
    if (E as
EDBEngineError).Errors[0].Errorc
ode = eDetailsExist then
      begin
        if MessageDlg('Delete this order

```


Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object Label3: TLabel
Left = 8
Top = 121
Width = 48
Height = 16
Caption = 'Orders'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object Label4: TLabel
Left = 8
Top = 209
Width = 38
Height = 16
Caption = 'Items'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object DBNavigator1: TDBNavigator
Left = 5
Top = 4
Width = 240
Height = 25
TabOrder = 0
end
object GridCustomers: TDBGrid
Left = 8
Top = 47
Width = 342
Height = 73
DataSource = DM.CustomerSource

{SR *.dfm}
end.
////////////////////////////////////

Objects
الملف النصي لبرنامج
(DbErrors14)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١

object FmMain: TFmMain
Left = 280
Top = 286
BorderStyle = bsSingle
Caption = 'Database Errors Demo'
ClientHeight = 352
ClientWidth = 359
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu1
OldCreateOrder = True
PixelsPerInch = 96
TextHeight = 13
object Label1: TLabel
Left = 8
Top = 32
Width = 74
Height = 16
Caption = 'Customers'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText

FieldName = 'SaleDate'
Visible = True
end
item
Expanded = False
FieldName = 'ShipDate'
Visible = True
end
item
Expanded = False
FieldName = 'EmpNo'
Width = 47
Visible = True
end>
end
object GridItems: TDBGrid
Left = 8
Top = 224
Width = 341
Height = 120
DataSource = DM.ItemsSource
TabOrder = 3
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
OnEnter = GridItemsEnter
end
object MainMenu1: TMainMenu
Left = 296
object About1: TMenuItem
Caption = '&About'
OnClick = About1Click
end
end
End
object FmAboutBox: TFmAboutBox
Left = 224
Top = 279
BorderStyle = bsDialog
Caption = 'About'
ClientHeight = 403
ClientWidth = 419

TabOrder = 1
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
OnEnter = GridCustomersEnter
OnExit = GridCustomersExit
Columns = <
item
Expanded = False
FieldName = 'CustNo'
Visible = True
end
item
Expanded = False
FieldName = 'Company'
Visible = True
end>
end
object GridOrders: TDBGrid
Left = 8
Top = 136
Width = 341
Height = 75
DataSource = DM.OrdersSource
TabOrder = 2
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
OnEnter = GridOrdersEnter
Columns = <
item
Expanded = False
FieldName = 'OrderNo'
Visible = True
end
item
Expanded = False
FieldName = 'CustNo'
Visible = True
end
item
Expanded = False

object Panel2: TPanel
Left = 9
Top = 88
Width = 401
Height = 73
TabOrder = 1
object Label2: TLabel
Left = 22
Top = 8
Width = 194
Height = 13
Caption = 'Data Model - Referential Integrity'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
object Image1: TImage
Left = 18
Top = 24
Width = 325
Height = 46
Picture.Data = {
}
end
end
object Memo1: TMemo
Left = 9
Top = 168
Width = 401
Height = 193
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
Lines.Strings = (
'This example demonstrates'
''
' - The use of Data Modules to centralize coding'
' - A one-to-many-to-many form'
' - Trapping and Controlling

Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
object Panel1: TPanel
Left = 8
Top = 8
Width = 402
Height = 73
BevelInner = bvRaised
BevelOuter = bvLowered
TabOrder = 0
object ProgramIcon: TImage
Left = 8
Top = 8
Width = 65
Height = 57
Picture.Data = {
0000}
Stretch = True
IsControl = True
end
object ProductName: TLabel
Left = 88
Top = 16
Width = 119
Height = 13
Caption = 'Database Errors Example'
IsControl = True
end
object Version: TLabel
Left = 88
Top = 40
Width = 53
Height = 13
Caption = 'Version 1.0'
IsControl = True
end
end

'General Notes:'
"
' The code in this example for the OnDeleteError on the Orders '
' table allows you to delete the current Orders record even if i' +
't '
' has dependent details. If this error occurs, a dialog box'
' asks you if you want to remove the Orders record and all'
' of its details. If this is action confirmed, the code deletes' +
' all'
' of the related Items records and then completes the action'
' by retrying the deletion for the current record. '
"
' The OnPostError, OnEditError and OnDeleteError pass to you'
' an exception (e) of the EDatabaseError class. To get '
' engine-level errorcodes, you must cast this as an error of'
' type EDBEngineError. See the code in DM.PAS for details.'
"
' The CustNo *Tfield* has min and max values. These are'
' NOT database engine-level Min and Max Valchecks and so'
' errors that arise from invalid entries are not caught by the '
' engine errors trapped for here.')
ParentFont = False
ReadOnly = True
ScrollBars = ssVertical
TabOrder = 2
WantReturns = False
end
object Button1: TButton
Left = 173
Top = 368
Width = 75

Database Errors'
"
'* Creation Order'
"
'The proper functioning of any form with a one-to-many '
'relationship depends on the creation order of TTables and '
'TDatasources at runtime. In this example, the MasterSource '
'property of the Orders table point to CustomerSource. For the '
'one-to-many link to properly synch up, the Customer table must '
'be active. The creation order is determined at design'
'time by right-clicking on the form and choosing Creation Order.'
"
'* Database Error Trapping'
"
'Delphi displays errors that arise from user interaction with '
'database tables as application level exceptions. The new '
'OnPostError, OnEditError and OnDeleteError events of '
'the TTable and TQuery objects allow you to trap these '
'errors closer to their origin. '
"
'To trigger these errors, run this application, and try to modify' +
','
'add, or delete records. '
"
'You may encounter several different database engine'
'errors: key violations, missing required fields, referential'
'integrity errors, incorrect foreign keys (most notably from '
'the "parts.db" table, which is not explicitly in this applicatio' +
'n), '
'and so on. '
"

DataSet = Customer
Left = 81
Top = 8
end
object Orders: TTable
Active = True
OnDeleteError = OrdersDeleteError
OnPostError = OrdersPostError
DatabaseName = 'DBDEMOS'
IndexName = 'CustNo'
MasterFields = 'CustNo'
MasterSource = CustomerSource
TableName = 'ORDERS.DB'
Left = 17
Top = 70
object OrdersOrderNo: TFloatField
DisplayWidth = 10
FieldName = 'OrderNo'
DisplayFormat = "'#'"0000'
EditFormat = '0000'
end
object OrdersCustNo: TFloatField
Alignment = taLeftJustify
FieldName = 'CustNo'
DisplayFormat = 'CN 0000'
EditFormat = '0000'
MaxValue = 9999.00000000000000000000
MinValue = 1000.00000000000000000000
end
object OrdersSaleDate: TDateTimeField
FieldName = 'SaleDate'
end
object OrdersShipDate: TDateTimeField
FieldName = 'ShipDate'
end
object OrdersEmpNo: TIntegerField
FieldName = 'EmpNo'
DisplayFormat = 'Emp'"#" 0000'
EditFormat = '0000'
MaxValue = 9999
MinValue = 1

Height = 25
Cancel = True
Caption = 'OK'
Default = True
ModalResult = 2
TabOrder = 3
end
End
object DM: TDM
OldCreateOrder = True
Left = 347
Top = 307
Height = 242
Width = 222
object Customer: TTable
Active = True
OnDeleteError = CustomerDeleteError
OnPostError = CustomerPostError
DatabaseName = 'dbdemos'
TableName = 'CUSTOMER.DB'
Left = 17
Top = 8
object CustomerCustNo: TFloatField
Alignment = taLeftJustify
DisplayWidth = 7
FieldName = 'CustNo'
DisplayFormat = 'CN 0000'
EditFormat = '0000'
MaxValue = 9999.00000000000000000000
MinValue = 1000.00000000000000000000
end
object CustomerCompany: TStringField
DisplayWidth = 22
FieldName = 'Company'
Size = 30
end
end
object CustomerSource: TDataSource

Top = 130
end
End
//////

Procedures60
الملف التنفيذي لبرنامج
(Activefm)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١
library EmpEditX;
{ This project demonstrates using client datasets in an ActiveForm.
The ActiveForm in this project works just like the client in the EMPEDIT demo. Before compiling and using this Active Library you should compile and run the Server project from the EMPEDIT demo.
For infomation on deploying ActiveForms, look for "ActiveX controls:deploying" in the online help index.
}
uses
ComServ,
EmpE_TLB in 'EmpE_TLB.pas',
EmpEdImp in 'EmpEdImp.pas'
{EmpEditForm: TActiveForm}
{EmpEditForm: CoClass},
recerror in
'..\..\..\objrepos\recerror.pas' ;
{SE ocx}
exports
DllGetClassObject,
DllCanUnloadNow,
DllRegisterServer,

end
end
object OrdersSource: TDataSource
DataSet = Orders
Left = 81
Top = 70
end
object Items: TTable
Active = True
OnPostError = ItemsPostError
DatabaseName = 'DBDEMOS'
IndexFieldNames = 'OrderNo'
MasterFields = 'OrderNo'
MasterSource = OrdersSource
TableName = 'ITEMS.DB'
Left = 17
Top = 130
object ItemsOrderNo: TFloatField
DisplayWidth = 10
FieldName = 'OrderNo'
DisplayFormat = '0000'
end
object ItemsItemNo: TFloatField
DisplayWidth = 10
FieldName = 'ItemNo'
end
object ItemsPartNo: TFloatField
Alignment = taLeftJustify
DisplayWidth = 10
FieldName = 'PartNo'
DisplayFormat = 'PN-00000'
EditFormat = '00000'
end
object ItemsQty: TIntegerField
DisplayWidth = 6
FieldName = 'Qty'
end
object ItemsDiscount: TFloatField
DisplayWidth = 10
FieldName = 'Discount'
DisplayFormat = '#%'
MinValue =
100.00000000000000000000
end
end
object ItemsSource: TDataSource
DataSet = Items
Left = 81

UpdateButtonClick(Sender: TObject);	DllUnregisterServer;
<-----> procedure	
UndoButtonClick(Sender: TObject);	{SR *.TLB}
<-----> procedure	
EmployeesReconcileError(DataSet: TCustomClientDataSet;	{SR *.RES}
E: EReconcileError;	
UpdateKind: TUpdateKind; var	begin
Action: TReconcileAction);	end.
<-----> procedure	
EmpDataDataChange(Sender: TObject; Field: TField);	////////////////////////////////////
private	
{ Private declarations }	unit empedimp;
FEvents: IEmpEditFormEvents;	
<-----> procedure	interface
ActivateEvent(Sender: TObject);	
<-----> procedure	uses
ClickEvent(Sender: TObject);	Windows, Messages, SysUtils,
<-----> procedure	Classes, Graphics, Controls, Forms,
CreateEvent(Sender: TObject);	Dialogs,
<-----> procedure	ActiveX, AxCtrls, EmpE_TLB,
Db1ClickEvent(Sender: TObject);	DBClient, Db, ComCtrls, ExtCtrls,
<-----> procedure	DBCtrls, StdCtrls, Mask,
DeactivateEvent(Sender: TObject);	MConnect;
<-----> procedure	
DestroyEvent(Sender: TObject);	type
<-----> procedure	TEmpEditForm =
KeyPressEvent(Sender: TObject;	class(TActiveForm, IEmpEditForm)
var Key: Char);	Label2: TLabel;
<-----> procedure	UpdateButton: TButton;
PaintEvent(Sender: TObject);	UndoButton: TButton;
protected	QueryButton: TButton;
{ Protected declarations }	DBText1: TDBText;
<-----> procedure	FirstName: TDBEdit;
EventSinkChanged(const	LastName: TDBEdit;
EventSink: IUnknown); override;	PhoneExt: TDBEdit;
<-----> procedure Initialize;	HireDate: TDBEdit;
override;	Salary: TDBEdit;
function Get_Active: WordBool;	EmpData: TDataSource;
safecall;	DBNavigator1: TDBNavigator;
function Get_AutoScroll:	Employees: TClientDataSet;
WordBool; safecall;	MidasConnection:
function Get_AxBorderStyle:	TDCOMConnection;
TxActiveFormBorderStyle; safecall;	RecInd: TLabel;
function Get_Caption:	<-----> procedure
WideString; safecall;	QueryButtonClick(Sender:
function Get_Color: OLE_Color;	TObject);
	<-----> procedure

<-----> procedure Set_KeyPreview(Value: WordBool); safecall;
<-----> procedure Set_PixelsPerInch(Value: Integer); safecall;
<-----> procedure Set_PrintScale(Value: TxPrintScale); safecall;
<-----> procedure Set_Scaled(Value: WordBool); safecall;
<-----> procedure Set_Visible(Value: WordBool); safecall;
<-----> procedure Set_WindowState(Value: TxWindowState); safecall;
public
{ Public declarations }
end;
implementation
uses RecError, ComServ;
{SR *.dfm}
{ TTempEditForm }
<-----> procedure TTempEditForm.EventSinkChanged(const EventSink: IUnknown); begin
FEvents := EventSink as IEmpEditFormEvents;
end;
<-----> procedure TTempEditForm.Initialize; begin
OnActivate := ActivateEvent;
OnClick := ClickEvent;
OnCreate := CreateEvent;
OnDblClick := DblClickEvent;
OnDeactivate := DeactivateEvent;
OnDestroy := DestroyEvent;
OnKeyPress := KeyPressEvent;
OnPaint := PaintEvent;

safecall;
function Get_Cursor: Smallint; safecall;
function Get_DropTarget: WordBool; safecall;
function Get_Enabled: WordBool; safecall;
function Get_Font: Font; safecall;
function Get_HelpFile: WideString; safecall;
function Get_KeyPreview: WordBool; safecall;
function Get_PixelsPerInch: Integer; safecall;
function Get_PrintScale: TxPrintScale; safecall;
function Get_Scaled: WordBool; safecall;
function Get_Visible: WordBool; safecall;
function Get_WindowState: TxWindowState; safecall;
<-----> procedure Set_AutoScroll(Value: WordBool); safecall;
<-----> procedure Set_AxBorderStyle(Value: TxActiveFormBorderStyle); safecall;
<-----> procedure Set_Caption(const Value: WideString); safecall;
<-----> procedure Set_Color(Value: OLE_Color); safecall;
<-----> procedure Set_Cursor(Value: Smallint); safecall;
<-----> procedure Set_DropTarget(Value: WordBool); safecall;
<-----> procedure Set_Enabled(Value: WordBool); safecall;
<-----> procedure Set_Font(const Value: Font); safecall;
<-----> procedure Set_HelpFile(const Value: WideString); safecall;

end;
function TEmpEditForm.Get_Enabled: WordBool;
begin
Result := Enabled;
end;
function TEmpEditForm.Get_Font: Font;
begin
GetOleFont(Font, Result);
end;
function TEmpEditForm.Get_HelpFile: WideString;
begin
Result := WideString(HelpFile);
end;
function TEmpEditForm.Get_KeyPreview: WordBool;
begin
Result := KeyPreview;
end;
function TEmpEditForm.Get_PixelsPerInch: Integer;
begin
Result := PixelsPerInch;
end;
function TEmpEditForm.Get_PrintScale: TxPrintScale;
begin
Result := Ord(PrintScale);
end;
function TEmpEditForm.Get_Scaled: WordBool;
begin
Result := Scaled;
end;

end;
function TEmpEditForm.Get_Active: WordBool;
begin
Result := Active;
end;
function TEmpEditForm.Get_AutoScroll: WordBool;
begin
Result := AutoScroll;
end;
function TEmpEditForm.Get_AxBorderStyle : TxActiveFormBorderStyle;
begin
Result := Ord(AxBorderStyle);
end;
function TEmpEditForm.Get_Caption: WideString;
begin
Result := WideString(Caption);
end;
function TEmpEditForm.Get_Color: OLE_COLOR;
begin
Result := Color;
end;
function TEmpEditForm.Get_Cursor: Smallint;
begin
Result := Smallint(Cursor);
end;
function TEmpEditForm.Get_DropTarget: WordBool;
begin
Result := DropTarget;

end;
<-----> procedure TEmpEditForm.Set_DropTarget(Value: WordBool);
begin
DropTarget := Value;
end;
<-----> procedure TEmpEditForm.Set_Enabled(Value: WordBool);
begin
Enabled := Value;
end;
<-----> procedure TEmpEditForm.Set_Font(const Value: Font);
begin
SetOleFont(Font, Value);
end;
<-----> procedure TEmpEditForm.Set_HelpFile(const Value: WideString);
begin
HelpFile := String(Value);
end;
<-----> procedure TEmpEditForm.Set_KeyPreview(Value: WordBool);
begin
KeyPreview := Value;
end;
<-----> procedure TEmpEditForm.Set_PixelsPerInch(Value: Integer);
begin
PixelsPerInch := Value;
end;
<-----> procedure TEmpEditForm.Set_PrintScale(Value: TPrintScale);
begin
PrintScale := TPrintScale(Value);

function TEmpEditForm.Get_Visible: WordBool;
begin
Result := Visible;
end;
function TEmpEditForm.Get_WindowState: TWindowState;
begin
Result := Ord(WindowState);
end;
<-----> procedure TEmpEditForm.Set_AutoScroll(Value: WordBool);
begin
AutoScroll := Value;
end;
<-----> procedure TEmpEditForm.Set_AxBorderStyle(Value: TActiveFormBorderStyle);
begin
AxBorderStyle := TActiveFormBorderStyle(Value);
end;
<-----> procedure TEmpEditForm.Set_Caption(const Value: WideString);
begin
Caption := TCaption(Value);
end;
<-----> procedure TEmpEditForm.Set_Color(Value: OLE_COLOR);
begin
Color := Value;
end;
<-----> procedure TEmpEditForm.Set_Cursor(Value: Smallint);
begin
Cursor := TCursor(Value);

TEmpEditForm.DblClickEvent(Sender: TObject);	end;
begin	<-----> procedure
if FEvents <> nil then	TEmpEditForm.Set_Scaled(Value:
FEvents.OnDblClick;	WordBool);
end;	begin
	Scaled := Value;
<-----> procedure	end;
TEmpEditForm.DeactivateEvent(Se	<-----> procedure
nder: TObject);	TEmpEditForm.Set_Visible(Value:
begin	WordBool);
if FEvents <> nil then	begin
FEvents.OnDeactivate;	Visible := Value;
end;	end;
<-----> procedure	<-----> procedure
TEmpEditForm.DestroyEvent(Send	TEmpEditForm.Set_WindowState(
er: TObject);	Value: TWindowState);
begin	begin
if FEvents <> nil then	WindowState :=
FEvents.OnDestroy;	TWindowState(Value);
end;	end;
<-----> procedure	<-----> procedure
TEmpEditForm.KeyPressEvent(Sen	TEmpEditForm.ActivateEvent(Send
der: TObject; var Key: Char);	er: TObject);
var	begin
TempKey: Smallint;	if FEvents <> nil then
begin	FEvents.OnActivate;
TempKey := Smallint(Key);	end;
if FEvents <> nil then	
FEvents.OnKeyPress(TempKey);	<-----> procedure
Key := Char(TempKey);	TEmpEditForm.ClickEvent(Sender:
end;	TObject);
	begin
<-----> procedure	if FEvents <> nil then
TEmpEditForm.PaintEvent(Sender:	FEvents.OnClick;
TObject);	end;
begin	
if FEvents <> nil then	<-----> procedure
FEvents.OnPaint;	TEmpEditForm.CreateEvent(Sende
end;	er: TObject);
	begin
{	if FEvents <> nil then
=====	FEvents.OnCreate;
=====	end;
===== }	
	<-----> procedure
<-----> procedure	

association with the change. }	TEmpEditForm.QueryButtonClick(Sender: TObject);
	begin
Employees.UndoLastChange(True);	{ Get data from the server. The number of records returned is dependent on
end;	the PacketRecords property of TClientDataSet. If PacketRecords is set
<-----> procedure TEmpEditForm.EmployeesReconcileError(DataSet: TCustomClientDataSet; E: EReconcileError; UpdateKind: TUpdateKind; var Action: TReconcileAction);	to -1 then all records are returned. Otherwise, as the user scrolls through the data, additional records are returned in separate data packets. }
begin	Employees.Close;
{ This is the event handler which is called when there are errors during the	Employees.Open;
update process. To demonstrate, you can create an error by running two	end;
copies of this application and modifying the same record in each one.	<-----> procedure TEmpEditForm.UpdateButtonClick(Sender: TObject);
Here we use the standard reconcile error dialog from the object repository. }	begin
Action := HandleReconcileError(DataSet, UpdateKind, E);	{ Apply any edits. The parameter indicates the number of errors which are allowed before the updating is aborted. A value of -1 indicates that all successful updates be applied regardless of the number of errors. }
end;	Employees.ApplyUpdates(-1);
<-----> procedure TEmpEditForm.EmpDataDataChange(Sender: TObject; Field: TField);	end;
begin	<-----> procedure TEmpEditForm.UndoButtonClick(Sender: TObject);
{ This code is used to update the status bar to show the number of records	begin
that have been retrieved an our relative position with the dataset. }	{ Here we demonstrate a new feature in TClientDataSet, the ability to undo
with Employees do	changes in reverse order. The parameter indicates if the cursor should
if Active then	be repositioned to the record
RecInd.Caption := Format(' %d	

<-----> Object EmpEditForm: TEmpEditForm
Left = 219
Top = 138
Width = 453
Height = 212
Caption = 'Employee Administrator'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Default'
Font.Style = []
OldCreateOrder = True
PixelsPerInch = 96
TextHeight = 13
<-----> Object Label2: TLabel
Left = 28
Top = 61
Width = 50
Height = 13
Caption = 'First Name'
FocusControl = FirstName
end
<-----> Object Label3: TLabel
Left = 123
Top = 61
Width = 61
Height = 13
AutoSize = False
Caption = 'Last Name'
FocusControl = LastName
end
<-----> Object Label4: TLabel
Left = 240
Top = 62
Width = 15
Height = 13
Caption = 'Ext'
FocusControl = PhoneExt
end
<-----> Object Label5: TLabel
Left = 28
Top = 118

of %d', [RecNo, RecordCount]);
end;
initialization
TActiveFormFactory.Create(ComServer, TActiveFormControl, TEmpEditForm, Class_EmpEditForm, 1, ", OLEMISC_SIMPLEFRAME or OLEMISC_ACTSLIKELABEL);
end.
////////////////////////////////////

<-----> Objects22
الملف النصي لبرنامج
(Activefm)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١

TDBEdit
Left = 28
Top = 76
Width = 78
Height = 21
DataField = 'FirstName'
DataSource = EmpData
TabOrder = 0
end
<-----> Object LastName: TDBEdit
Left = 123
Top = 76
Width = 99
Height = 21
DataField = 'LastName'
DataSource = EmpData
TabOrder = 1
end
<-----> Object PhoneExt: TDBEdit
Left = 240
Top = 76
Width = 49
Height = 21
DataField = 'PhoneExt'
DataSource = EmpData
TabOrder = 2
end
<-----> Object HireDate: TDBEdit
Left = 28
Top = 132
Width = 73
Height = 21
DataField = 'HireDate'
DataSource = EmpData
TabOrder = 3
end
<-----> Object Salary: TDBEdit
Left = 121
Top = 132
Width = 96
Height = 21
DataField = 'Salary'
DataSource = EmpData
TabOrder = 4
end
<-----> Object QueryButton: TButton

Width = 45
Height = 13
Caption = 'Hire Date'
FocusControl = HireDate
end
<-----> Object Label10: TLabel
Left = 123
Top = 116
Width = 29
Height = 13
Caption = 'Salary'
FocusControl = Salary
end
<-----> Object Label11: TLabel
Left = 18
Top = 18
Width = 53
Height = 16
Alignment = taRightJustify
Caption = 'Emp #: '
Font.Charset = ANSI_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<-----> Object DBText1: TDBText
Left = 73
Top = 18
Width = 68
Height = 16
DataField = 'EmpNo'
DataSource = EmpData
Font.Charset = ANSI_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<-----> Object RecInd: TLabel
Left = 346
Top = 16
Width = 3
Height = 13
end
<-----> Object FirstName:

<-----> Object Employees: TClientDataSet
Aggregates = <>
PacketRecords = 10
Params = <>
ProviderName = 'EmpQueryProvider'
RemoteServer = MidasConnection
OnReconcileError = EmployeesReconcileError
Left = 284
Top = 12
end
<-----> Object MidasConnection: TDCOMConnection
ServerGUID = '{53BC6562-5B3E- 11D0-9FFC-00A0248E4B9A}'
ServerName = 'Serv.EmpServer'
Left = 387
Top = 12
end
End

procedure s9
الملف لبرنامج
(----Briefcase)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program BriefcaseDemo;
uses
Forms,
BriefcaseMain in 'BriefcaseMain.pas' {Form1};
{SR *.RES}
begin
Application.Initialize;
Application.CreateForm(TForm1,

Left = 304
Top = 88
Width = 105
Height = 25
Caption = '&Get Employees'
TabOrder = 5
OnClick = QueryButtonClick
end
<-----> Object DBNavigator1: TDBNavigator
Left = 134
Top = 14
Width = 138
Height = 25
DataSource = EmpData
VisibleButtons = [nbFirst, nbPrior, nbNext, nbLast, nbPost, nbCancel]
TabOrder = 6
end
<-----> Object UpdateButton: TButton
Left = 344
Top = 135
Width = 105
Height = 25
Caption = '&Update Employees'
TabOrder = 7
OnClick = UpdateButtonClick
end
<-----> Object UndoButton: TButton
Left = 224
Top = 134
Width = 105
Height = 25
Caption = 'U&ndo Last Change'
TabOrder = 8
OnClick = UndoButtonClick
end
<-----> Object EmpData: TDataSource
DataSet = Employees
OnChange = EmpDataDataChange
Left = 331
Top = 36
end

```

var CanClose: Boolean);
<-----> procedure
UpdateButtonClick(Sender:
TObject);
<-----> procedure
ConnectionIndClick(Sender:
TObject);
<-----> procedure
RefreshButtonClick(Sender:
TObject);
private
DataFileName: string;
public
<-----> procedure LoadData;
<-----> procedure SaveData;
<-----> procedure UpdateData;
end;
var
Form1: TForm1;
implementation
{$R *.dfm}
const
BaseFileName =
'EMPLOYEE.ADTG';
procedure TForm1.LoadData;
begin
DataFileName :=
ExtractFilePath(Paramstr(0))+Base
FileName;
{ If a persisted datafile exists,
assume we exited in a disconnected
(offline) state and load the data
from the file. }
if FileExists(DataFileName) then
Employees.LoadFromFile(DataFileN
ame)
else
begin
{ Otherwise establish the
connection and get data from the
database }
ConnectionInd.Checked := True;
Employees.Open;

```

```

Form1);
Application.Run;
end.
////////////////////
unit BriefcaseMain;
{ This program demonstrates how to
do disconnected briefcase
applications
with ADO. When the Connected
checkbox is unchecked the
application is
switched into offline mode. If the
application is exited at that point
then the data is persisted to a file
on disk (along with any edits to the
data). When the application is
restarted it will load the persisted
data
if present, otherwise it will fetch the
data from the database. }
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
StdCtrls, DB, ADO, ADOX, Grids,
DBGrids, ExtCtrls;
type
TForm1 = class(TForm)
Employees: TADODataset;
EmpSource: TDataSource;
DBGrid1: TDBGrid;
Connection: TADOConnection;
Panel1: TPanel;
ConnectionInd: TCheckBox;
UpdateButton: TButton;
RefreshButton: TButton;
SaveButton: TButton;
<-----> procedure
Form1Create(Sender: TObject);
<-----> procedure
SaveButtonClick(Sender: TObject);
<-----> procedure
Form1CloseQuery(Sender: TObject;

```


try
{ When closing, update the database if connected or save it to disk if not }
if Connection.Connected then
UpdateData else
SaveData;
except
on E: Exception do
begin
Application.HandleException(Self);
CanClose := MessageDlg('Data not saved/updated, exit anyway?',
mtConfirmation,
mbYesNoCancel, 0) = mrYes;
end;
end;
end;
procedure
TForm1.ConnectionIndClick(Sender
: TObject);
begin
{ Toggle the connection's state }
if ConnectionInd.Checked then
begin
Connection.Open;
Employees.Connection :=
Connection;
end else
begin
{ Note here you must clear the
connection property of the dataset
before
closing the connection.
Otherwise the dataset will close with
the
connection. }
Employees.Connection := nil;
Connection.Close;
end;
end;
procedure
TForm1.RefreshButtonClick(Sender
: TObject);
begin
{ Close and reopen the dataset to

end;
end;
procedure TForm1.UpdateData;
begin
{ Connect to the database and send
the pending updates }
ConnectionInd.Checked := True;
Employees.UpdateBatch;
DeleteFile(DataFileName);
end;
procedure TForm1.SaveData;
begin
{ Persist the data to disk }
Employees.SaveToFile(DataFileNam
e, pfADTG);
end;
procedure
TForm1.Form1Create(Sender:
TObject);
begin
Connection.ConnectionString :=
'FILE NAME=' + DataLinkDir +
'\DBDEMOS.UDL';
LoadData;
end;
procedure
TForm1.SaveButtonClick(Sender:
TObject);
begin
SaveData;
end;
procedure
TForm1.UpdateButtonClick(Sender:
TObject);
begin
UpdateData;
end;
procedure
TForm1.Form1CloseQuery(Sender:
TObject; var CanClose: Boolean);
begin
if Employees.Active then

واتف ٠٩٤٤٥٧٥٣٧١
object Form1: TForm1
Left = 217
Top = 143
AutoScroll = False
Caption = 'Briefcase Demo'
ClientHeight = 332
ClientWidth = 571
Color = clBtnFace
ParentFont = True
OldCreateOrder = False
Position = poScreenCenter
OnCloseQuery = Form1CloseQuery
OnCreate = Form1Create
PixelsPerInch = 96
TextHeight = 13
object DBGrid1: TDBGrid
Left = 0
Top = 38
Width = 571
Height = 294
Align = alClient
DataSource = EmpSource
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
object Panel1: TPanel
Left = 0
Top = 0
Width = 571
Height = 38
Align = alTop
BevelOuter = bvNone
TabOrder = 1
object ConnectionInd: TCheckBox
Left = 58
Top = 11
Width = 79
Height = 17

refresh the data. Note that in this demo
there is no checking for pending updates so they are lost if you click the refresh data button before clicking the Update database button.
} ConnectionInd.Checked := True; Employees.Close; Employees.CommandType := cmdTable; Employees.CommandText := 'Employee'; Employees.Open; end;
end.
////////////////////////////////////

Objects
الملف النصي لبرنامج
(----Briefcase)
إعداد
علاء الدين اللباد

TADOConnection
ConnectionString =
'FILE NAME=C:\Program Files\Common Files\System\OLE DB\Data Links' +
'DBDemos.UDL'
LoginPrompt = False
Mode = cmShareDenyNone
Provider =
'C:\Program Files\Common Files\System\OLE DB\Data Links\DBDemos.U' +
'DL'
Left = 13
Top = 3
end
End

Caption = 'Connected'
TabOrder = 0
OnClick = ConnectionIndClick
end
object UpdateButton: TButton
Left = 153
Top = 6
Width = 84
Height = 25
Caption = 'Update Server'
TabOrder = 1
OnClick = UpdateButtonClick
end
object RefreshButton: TButton
Left = 250
Top = 6
Width = 87
Height = 25
Caption = 'Refresh Data'
TabOrder = 2
OnClick = RefreshButtonClick
end
object SaveButton: TButton
Left = 352
Top = 6
Width = 75
Height = 25
Caption = 'Save to disk'
TabOrder = 3
OnClick = SaveButtonClick
end
end
object Employees: TADODataset
Connection = Connection
CursorType = ctStatic
LockType = ltBatchOptimistic
CommandText = 'employee'
CommandType = cmdTable
Parameters = <>
Left = 12
Top = 89
end
object EmpSource: TDataSource
DataSet = Employees
Left = 69
Top = 97
end
object Connection:

علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program Filter;
uses
Forms,
DM in 'DM.pas' {DM1},
CustView in 'CustView.pas' {fmCustView},
About in 'About.pas' {fmAboutBox},
Filter1 in 'Filter1.pas' {fmFilterFrm};
{SR *.RES}
begin
Application.Initialize;
Application.CreateForm(TfmCustView, fmCustView);
Application.CreateForm(TDM1, DM1);
Application.CreateForm(TfmFilterFrm, fmFilterFrm);
Application.Run;
end.
\\ \\ \\
Unit DM;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
DB, DBTables;
type
TDM1 = class(TDataModule)
Customer: TTable;
CustomerSource: TDataSource;
SQLCustomer: TQuery;
SQLOrders: TQuery;
OrdersSource: TDataSource;

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الملف التنفيذي لبرنامج
(Filter)
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```

TDM1.SQLOrdersFilterRecord(DataSet: TDataSet;
var Accept: Boolean);
begin
{ This is only called if the Filtered
property is True, set
dynamically by the CheckBox on
the CustView form. }
Accept :=
SQLOrdersAmountPaid.Value >=
OrdersFilterAmount;
end;
end.
////
unit About;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
StdCtrls, ExtCtrls;
type
TfmAboutBox = class(TForm)
Panel1: TPanel;
ProgramIcon: TImage;
ProductName: TLabel;
Version: TLabel;
Memo1: TMemo;
OKButton: TButton;
end;
var
fmAboutBox: TfmAboutBox;
implementation
{$R *.dfm}
end.
////////////////////////////////////
unit About;

```

```

SQLOrdersOrderNo:
TFloatField;
SQLOrdersCustno: TFloatField;
SQLOrdersSaleDate:
TDateTimeField;
SQLOrdersShipDate:
TDateTimeField;
SQLOrdersEmpNo:
TIntegerField;
SQLOrdersAmountPaid:
TCurrencyField;
<-----> procedure
DM1Create(Sender: TObject);
<-----> procedure
SQLOrdersFilterRecord(DataSet:
TDataSet;
var Accept: Boolean);
public
{ The variable below will be
accessible to to CustView (because it
is
public and this unit is in its uses).
It is used in
SQLOrdersFilterRecord to set
the Filter amount for the Orders
Query. }
OrdersFilterAmount: Extended;
end;
var
DM1: TDM1;
implementation
{$R *.dfm}
<-----> procedure
TDM1.DM1Create(Sender:
TObject);
begin
try
Screen.Cursor := crHourGlass;
SQLCustomer.Open;
finally
Screen.Cursor := crDefault;
end;
end;
end;
<-----> procedure

```

About1: TMenuItem;
DBNavigator1: TDBNavigator;
Label2: TLabel;
rgDataSet: TRadioGroup;
SpeedButton1: TSpeedButton;
DBGrid1: TDBGrid;
GroupBox1: TGroupBox;
cbFilterOrders: TCheckBox;
Label1: TLabel;
Edit1: TEdit;
<-----> procedure rgDataSetClick(Sender: TObject);
<-----> procedure SpeedButton1Click(Sender: TObject);
<-----> procedure cbFilterOrdersClick(Sender: TObject);
<-----> procedure About1Click(Sender: TObject);
<-----> procedure Edit1Change(Sender: TObject);
<-----> procedure DBGrid1Enter(Sender: TObject);
<-----> procedure DBGrid2Enter(Sender: TObject);
end;
var
fmCustView: TfmCustView;
implementation
uses DM, Filter1, About;
{ \$R *.dfm }
{ Change the Dataset for the Customer from Query to Table, or Table to Query. If a filter is current, set that filter to the just-changed Dataset. }
<-----> procedure TfmCustView.rgDataSetClick(Sende r: TObject);
var
st: string;
begin
with DM1, CustomerSource do

interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, ExtCtrls;
type
TfmAboutBox = class(TForm)
Panel1: TPanel;
ProgramIcon: TImage;
ProductName: TLabel;
Version: TLabel;
Memo1: TMemo;
OKButton: TButton;
end;
var
fmAboutBox: TfmAboutBox;
implementation
{ \$R *.dfm }
end.
////////////////////////////////////
unit CustView;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, ExtCtrls, DBCtrls, Grids, DBGrids, ComCtrls, StdCtrls, Mask, Buttons, Menus;
type
TfmCustView = class(TForm)
StatusBar1: TStatusBar;
DBGrid2: TDBGrid;
Label3: TLabel;
MainMenu1: TMainMenu;

Edit1Change(nil); { To make sure the value is set. }
end;
<-----> procedure
TfmCustView.About1Click(Sender: TObject);
begin
with TFMAboutBox.Create(nil) do
try
ShowModal;
finally
Free;
end;
end;
<-----> procedure
TfmCustView.Edit1Change(Sender: TObject);
begin
{ We must test of Edit1.Text not being blank, or an exception will be raised when the user clears the contents of the Edit. }
if (cbFilterOrders.checked) and (Edit1.Text <> ") then
try
{ Attempt to set the variable on DM1 that holds the filter amount. }
DM1.OrdersFilterAmount := StrToFloat(fmCustView.Edit1.Text);
;
{ Refreshing SQLOrders will cause DM1.SQLOrdersFilterRecord to be called once for each orders record for the current Customer. }
DM1.SQLOrders.Refresh;
except
on EConvertError do
{ This happens before DM1.SQLOrders.refresh if the user typed in a non-numeric value, thus preventing it from trying to use an invalid value to filter itself, which

begin
{ Is the other Dataset Filtered? Get its filter. }
if Dataset.Filtered then
st := Dataset.Filter;
case rgDataset.ItemIndex of
0: if Dataset <> SQLCustomer then
Dataset := SQLCustomer;
1: if CustomerSource.Dataset <> Customer then
Dataset := Customer;
end;
{ Set the Filter of the current Dataset. }
if st <> " then
begin
Dataset.Filter := st;
Dataset.Filtered := True;
end;
end;
end;
<-----> procedure
TfmCustView.SpeedButton1Click(Sender: TObject);
begin
fmFilterFrm.Show;
end;
<-----> procedure
TfmCustView.cbFilterOrdersClick(Sender: TObject);
begin
{ DM1.SQLOrders.Filtered will be true if the box is checked, false otherwise. }
DM1.SQLOrders.Filtered := cbFilterOrders.Checked;
{ If the number changed while the box is unchecked, DM1.OrdersFilterAmount won't know about it. The Edit1Change <-----> procedure will set the value and apply the filter.}
if cbFilterOrders.Checked then

Label3: TLabel;
Memo1: TMemo;
GroupBox1: TGroupBox;
cbCaseSensitive: TCheckBox;
cbNoPartialCompare:
TCheckBox;
ComboBox1: TComboBox;
Label4: TLabel;
BtnApplyFilter: TButton;
BtnClear: TButton;
BtnClose: TButton;
<-----> procedure
AddFieldName(Sender: TObject);
<-----> procedure
ListBox2DbClick(Sender: TObject);
<-----> procedure
ApplyFilter(Sender: TObject);
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
Memo1Change(Sender: TObject);
<-----> procedure
cbCaseSensitiveClick(Sender:
TObject);
<-----> procedure
cbNoPartialCompareClick(Sender:
TObject);
<-----> procedure
SBtnClearClick(Sender: TObject);
<-----> procedure
ComboBox1Change(Sender:
TObject);
<-----> procedure
SBtnCloseClick(Sender: TObject);
end;
var
fmFilterFrm: TfmFilterFrm;
implementation
uses DM, CustView;
{SR *.dfm}
{ Adds current listbox field name to
memo. }
<-----> procedure
TfmFilterFrm.AddFieldName(Sende

would raise an exception once for
each record displayed.}
raise
Exception.Create('Threshold
Amount must be a number')
end
end;
{ Set the navigator to the Customer
Datasource. }
<-----> procedure
TfmCustView.DBGrid1Enter(Sende
r: TObject);
begin
DBNavigator1.DataSource :=
DBGrid1.DataSource;
end;
{ Set the navigator to the Orders
Datasource. }
<-----> procedure
TfmCustView.DBGrid2Enter(Sende
r: TObject);
begin
DBNavigator1.DataSource :=
DBGrid2.DataSource;
end;
end.
////////////////////////////////////
unit Filter1;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
StdCtrls, Buttons, DB;
type
TfmFilterFrm = class(TForm)
Label1: TLabel;
Label2: TLabel;
Listbox1: TListBox;
Listbox2: TListBox;

TObject);
var
I: Integer;
begin
for I := 0 to DM1.CustomerSource.Dataset.Field Count - 1 do
ListBox1.Items.Add(DM1.Customer. Fields[I].FieldName);
{ Add date dependent Query ComboBox1. }
ComboBox1.Items.Add('LastInvoice Date >= ''' + DateToStr(EncodeDate(1994, 09, 30)) + ''');
ComboBox1.Items.Add('Country = "US" and LastInvoiceDate > ''' + DateToStr(EncodeDate(1994, 06, 30)) + ''');
end;
{ Since the Filter property is a TStrings and the Memo field is a TMemo, convert the Memo's wrapped text to a string, which is then used when the user presses Apply. }
<-----> procedure TfmFilterFrm.Memo1Change(Sende r: TObject);
var
I: Integer;
begin
ComboBox1.Text := Memo1.Lines[0];
for I := 1 to Memo1.Lines.Count - 1 do
ComboBox1.Text := ComboBox1.Text + '' + Memo1.Lines[I];
end;
{ Set the Customer's Dataset Case Sensitive Filter Option. }
<-----> procedure TfmFilterFrm.cbCaseSensitiveClick(

r: TObject);
begin
if Memo1.Text <> '' then
 Memo1.Text := Memo1.Text + ' ';
 Memo1.Text := Memo1.Text + ListBox1.Items[ListBox1.ItemIndex] ;
end;
{ Adds current Filter operator to memo. }
<-----> procedure TfmFilterFrm.ListBox2DbClick(Se nder: TObject);
begin
if Memo1.Text <> '' then
 Memo1.Text := Memo1.Text + ' '+ ListBox2.Items[ListBox2.ItemIndex] ;
end;
<-----> procedure TfmFilterFrm.ApplyFilter(Sender: TObject);
begin
with DM1.CustomerSource.Dataset do
begin
if ComboBox1.Text <> '' then
begin
 Filter := ComboBox1.Text;
 Filtered := True;
 fmCustView.Caption := 'Customers - Filtered';
end
else begin
 Filter := '';
 Filtered := False;
 fmCustView.Caption := 'Customers - Unfiltered'
end;
end;
end;
{ Populate the ListBox1 with available fields from the Customer Dataset. }
<-----> procedure TfmFilterFrm.FormCreate(Sender:

ender: TObject);
begin
Memo1.Lines.Clear;
Memo1.Lines.Add(ComboBox1.Text);
end;
{ Close the Filter Form. }
<-----> procedure
TfmFilterFrm.SBbtnCloseClick(Sender: TObject);
begin
Close;
end;
end.
////////////////////////////////////

<-----> Objects50
الملف النصي لبرنامج
(Filter)
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هاتف ٠٩٤٤٥٧٥٣٧١
<-----> Object fmCustView:
TfmCustView
Left = 227
Top = 109
BorderStyle = bsSingle
Caption = 'Customers - Unfiltered'
ClientHeight = 362
ClientWidth = 493
Color = clBtnFace
ParentFont = True
Menu = MainMenu1
OldCreateOrder = True
PixelsPerInch = 96
TextHeight = 13
<-----> Object Label3: TLabel

Sender: TObject);
begin
with DM1.CustomerSource.Dataset
do
if cbCaseSensitive.checked then
FilterOptions := FilterOptions -
[foCaseInSensitive]
else
FilterOptions := FilterOptions +
[foCaseInsensitive];
end;
{ Set the Customer Partial Compare
Filter Option. }
<-----> procedure
TfmFilterFrm.cbNoPartialCompare
Click(Sender: TObject);
begin
with DM1.CustomerSource.Dataset
do
if cbNoPartialCompare.checked
then
FilterOptions := FilterOptions +
[foNoPartialCompare]
else
FilterOptions := FilterOptions -
[foNoPartialCompare];
end;
{ Add User-Entered filters into list
box at runtime. }
<-----> procedure
TfmFilterFrm.SBbtnClearClick(Sender: TObject);
var
st: string;
begin
Memo1.Lines.Clear;
st := ComboBox1.Text;
ComboBox1.Text := '';
if ComboBox1.Items.IndexOf(st) =
-1 then
ComboBox1.Items.Add(st);
end;
{ Reset the Memo field when the
Filter ComboBox changes. }
<-----> procedure
TfmFilterFrm.ComboBox1Change(S

Top = 208
Width = 350
Height = 129
DataSource = DM1.OrdersSource
TabOrder = 1
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
OnEnter = DBGrid2Enter
Columns = <
item
Expanded = False
FieldName = 'OrderNo'
Visible = True
end
item
Expanded = False
FieldName = 'Custno'
Title.Caption = 'CustNo'
Width = 45
Visible = True
end
item
Expanded = False
FieldName = 'AmountPaid'
Title.Caption = 'Amount Paid'
Width = 122
Visible = True
end
item
Expanded = False
FieldName = 'ShipDate'
Title.Caption = 'Ship Date'
Width = 83
Visible = True
end>
end
<-----> Object DBNavigator1: TDBNavigator
Left = 132
Top = 4
Width = 88
Height = 25
DataSource = DM1.CustomerSource

Left = 12
Top = 192
Width = 93
Height = 16
Caption = 'Orders Query'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<-----> Object Label2: TLabel
Left = 8
Top = 36
Width = 74
Height = 16
Caption = 'Customers'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<-----> Object SpeedButton1: TSpeedButton
Left = 9
Top = 128
Width = 96
Height = 25
Caption = 'Filter &Customers'
NumGlyphs = 2
OnClick = SpeedButton1Click
end
<-----> Object StatusBar1: TStatusBar
Left = 0
Top = 343
Width = 493
Height = 19
Panels = <>
end
<-----> Object DBGrid2: TDBGrid
Left = 132

Expanded = False
FieldName = 'Country'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'LastInvoiceDate'
Title.Caption = 'Last Invoice'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'Contact'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'City'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'State'
Visible = True
end>
end
<-----> Object GroupBox1:
TGroupBox
Left = 7
Top = 224
Width = 121
Height = 81
Caption = 'Orders Filter'
TabOrder = 5
<-----> Object Label1: TLabel
Left = 4
Top = 52
Width = 60
Height = 13
Caption = 'Amount &Paid'
FocusControl = Edit1
end
<-----> Object cbFilterOrders:
TCheckBox

VisibleButtons = [nbFirst, nbPrior, nbNext, nbLast]
TabOrder = 3
end
<-----> Object rgDataSet:
TRadioGroup
Left = 8
Top = 60
Width = 97
Height = 61
Caption = 'Dataset'
ItemIndex = 1
Items.Strings = ('&Query-Based' '&Table-Based')
TabOrder = 2
OnClick = rgDataSetClick
end
<-----> Object DBGrid1:
TDBGrid
Left = 132
Top = 33
Width = 350
Height = 163
DataSource = DM1.CustomerSource
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
OnEnter = DBGrid1Enter
Columns = <
item
Expanded = False
FieldName = 'CustNo'
Width = 43
Visible = True
end
item
Expanded = False
FieldName = 'Company'
Width = 64
Visible = True
end
item

<-----> Object CustomerSource: TDataSource
DataSet = Customer
Left = 111
Top = 33
end
<-----> Object SQLCustomer: TQuery
DatabaseName = 'DBDEMOS'
SQL.Strings = ('SELECT * FROM "CUSTOMER.DB" ')
Left = 26
Top = 62
end
<-----> Object SQLOrders: TQuery
Active = True
DatabaseName = 'DBDEMOS'
OnFilterRecord = SQLOrdersFilterRecord
DataSource = CustomerSource
SQL.Strings = ('Select * From Orders Where Custno = :CustNo ')
Left = 196
Top = 32
ParamData = < item
DataType = ftFloat
Name = 'CustNo'
ParamType = ptUnknown
Size = 8
end>
<-----> Object SQLOrdersOrderNo: TFloatField
DisplayWidth = 10
FieldName = 'OrderNo'
end
<-----> Object SQLOrdersCustno: TFloatField
DisplayWidth = 8
FieldName = 'Custno'
end
<-----> Object SQLOrdersAmountPaid: TCurrencyField
DisplayWidth = 13

Left = 8
Top = 20
Width = 109
Height = 17
Caption = '&Filter'
TabOrder = 0
OnClick = cbFilterOrdersClick
end
<-----> Object Edit1: TEdit
Left = 68
Top = 48
Width = 49
Height = 21
TabOrder = 1
Text = '1000'
OnChange = Edit1Change
end
end
<-----> Object MainMenu1: TMainMenu
Left = 104
Top = 5
<-----> Object About1: TMenuItem
Caption = '&About'
OnClick = About1Click
end
end
End
////////////////////////////////////
<-----> Object DM1: TDM1
OldCreateOrder = True
OnCreate = DM1Create
Left = 175
Top = 163
Height = 223
Width = 451
<-----> Object Customer: TTable
Active = True
DatabaseName = 'DBDEMOS'
Filtered = True
IndexFieldNames = 'Company'
TableName = 'CUSTOMER.DB'
Left = 27
Top = 9
end

Left = 8
Top = 128
Width = 27
Height = 13
Caption = '&Fields'
FocusControl = ListBox1
end
<-----> Object Label2: TLabel
Left = 8
Top = 44
Width = 44
Height = 13
Caption = '&Condition'
end
<-----> Object Label3: TLabel
Left = 161
Top = 128
Width = 46
Height = 13
Caption = '&Operators'
end
<-----> Object Label4: TLabel
Left = 8
Top = 8
Width = 16
Height = 13
Caption = '&List'
FocusControl = ComboBox1
end
<-----> Object ListBox1: TListBox
Left = 8
Top = 144
Width = 143
Height = 73
Hint = 'Doubleclick to add'
TabStop = False
ItemHeight = 13
ParentShowHint = False
ShowHint = True
Sorted = True
TabOrder = 2
OnDbClick = AddFieldName
end
<-----> Object ListBox2: TListBox
Left = 161
Top = 144

FieldName = 'AmountPaid'
end
<-----> Object SQLOrdersSaleDate: TDateTimeField
Alignment = taRightJustify
DisplayWidth = 10
FieldName = 'SaleDate'
end
<-----> Object SQLOrdersShipDate: TDateTimeField
Alignment = taRightJustify
DisplayWidth = 10
FieldName = 'ShipDate'
end
<-----> Object SQLOrdersEmpNo: TIntegerField
DisplayWidth = 8
FieldName = 'EmpNo'
end
end
<-----> Object OrdersSource: TDataSource
DataSet = SQLOrders
Left = 272
Top = 32
end
End
////////////////////////////////////
<-----> Object fmFilterFrm: TfmFilterFrm
Left = 332
Top = 132
ActiveControl = Memo1
BorderStyle = bsSingle
Caption = 'Filter Condition'
ClientHeight = 298
ClientWidth = 305
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> Object Label1: TLabel

cbNoPartialCompare: TCheckBox
Left = 8
Top = 36
Width = 125
Height = 17
Hint = 'Disable partial string comparisons (strings ending with "*")'
Caption = 'No Partial Compare'
TabOrder = 1
OnClick = cbNoPartialCompareClick
end
end
<-----> Object ComboBox1: TComboBox
Left = 8
Top = 24
Width = 289
Height = 21
Cursor = crArrow
ItemHeight = 13
TabOrder = 0
OnChange = ComboBox1Change
Items.Strings = ('Company = "S*"'
'Country <> "US"'
'Country = "US"')
end
<-----> Object BtnApplyFilter: TButton
Left = 224
Top = 143
Width = 75
Height = 25
Caption = '&Apply'
TabOrder = 5
OnClick = ApplyFilter
end
<-----> Object BtnClear: TButton
Left = 224
Top = 173
Width = 75
Height = 25
Caption = 'Cl&ear'
TabOrder = 6
OnClick = SBtnClearClick
end

Width = 53
Height = 141
Hint = 'Double-click to add'
TabStop = False
ItemHeight = 13
Items.Strings = ('>'
'<'
'='
'>='
'<='
'<>'
'AND'
'OR'
'('
')')
ParentShowHint = False
ShowHint = True
TabOrder = 3
OnDblClick = ListBox2DblClick
end
<-----> Object Memo1: TMemo
Left = 8
Top = 60
Width = 289
Height = 65
TabOrder = 1
OnChange = Memo1Change
end
<-----> Object GroupBox1: TGroupBox
Left = 12
Top = 224
Width = 139
Height = 61
Caption = 'F&ilter Options'
TabOrder = 4
<-----> Object cbCaseSensitive: TCheckBox
Left = 8
Top = 16
Width = 97
Height = 17
Caption = 'Case Sensitive'
TabOrder = 0
OnClick = cbCaseSensitiveClick
end
<-----> Object

<-----> Object ProductName: TLabel
Left = 88
Top = 16
Width = 65
Height = 13
Caption = 'Filter Example'
IsControl = True
end
<-----> Object Version: TLabel
Left = 88
Top = 36
Width = 44
Height = 13
Caption = 'Version 1'
IsControl = True
end
<-----> Object Memo1: TMemo
Left = 8
Top = 72
Width = 265
Height = 181
Lines.Strings = ('This example illustrates' " '- The use of a Data Module with a ' ' Query linked through its Datasource' ' property for displaying detail records.' '- Switching Between Query- and Table-' ' Based datasets.' '- Filtering Records dynamically, by setting ' ' the Filter property of a Dataset.' '- Filtering Records more statically, ' ' by providing a value to a variable hooked ' ' to the OnFilterRecord event ' " 'At runtime, the Data Module''s only master ' 'datasource can be connected to either the '

<-----> Object BtnClose: TButton
Left = 224
Top = 256
Width = 75
Height = 25
Caption = 'Cl&ose'
TabOrder = 7
OnClick = SBtnCloseClick
end
End
////////////////////////////////////
<-----> Object fmAboutBox: TfmAboutBox
Left = 442
Top = 133
BorderStyle = bsDialog
Caption = 'fmAboutBox'
ClientHeight = 321
ClientWidth = 299
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> Object Panel1: TPanel
Left = 8
Top = 8
Width = 281
Height = 265
BevelInner = bvRaised
BevelOuter = bvLowered
Caption = 'Panel1'
TabOrder = 0
<-----> Object ProgramIcon: TImage
Left = 8
Top = 8
Width = 65
Height = 57
Picture.Data = { 0000}
Stretch = True
IsControl = True
end

الملفات التنفيذية لبرنامج
(GdsDemo)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
program GdsDemo;
uses
Forms,
GdsStd in 'GdsStd.pas'
{GDSStdForm},
GdsData in 'GdsData.pas'
{StdDataForm},
RecForm in 'RecForm.pas'
{RecViewForm},
GridForm in 'GridForm.pas'
{GridViewForm};
{SR *.RES}
begin
Application.Initialize;
Application.CreateForm(TGridView
Form, GridViewForm);
Application.CreateForm(TRecView
Form, RecViewForm);
Application.Run;
end.
////////////////////////////////////
unit GdsStd;
interface
uses
SysUtils, Windows, Messages,
Classes, Graphics, Controls, Forms,
Dialogs,
StdCtrls, ExtCtrls;
type
TGDSStdForm = class(TForm)

'Customer TQuery or the
Customer TTable. '
'This Dataset is linked to a
single Datasource '
'which serves as the link to
another dataset, '
'defined by a dynamic query of
the Orders table.'
"
'Filtering is done on the
Customer records '
'dynamically, with the user
providing an'
'arbitrary expression. In
contrast, the Filter '
'button for the Orders table is
done in a '
'more static, code-based
fashion, with the'
'user simply providing a
threshold for the '
'Total Order Amount. An
exception is raised'
'when user entries are
inappropriate.')
ReadOnly = True
ScrollBars = ssVertical
TabOrder = 0
end
end
<-----> Object OKButton:
TButton
Left = 111
Top = 284
Width = 77
Height = 27
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 1
end
End
////////////////////////////////////

24 proc

var
GridViewForm: TGridViewForm;
implementation
uses RecForm;
{SR *.dfm}
<-----> procedure TGridViewForm.DBGrid1DbClick(Sender: TObject);
begin
inherited;
RecViewForm.Show;
end;
end.
////////////////////////////////////
unit RecForm;
interface
uses
SysUtils, Windows, Messages, Classes, Graphics, Controls, Forms, Dialogs,
DBCtrls, DB, DBTables, ExtCtrls, StdCtrls, Buttons, Mask, Menus, ComCtrls, GdsData;
type
TRecViewForm = class(TStdDataForm)
GroupBox2: TPanel;
OrderNo: TDBEdit;
CustName: TDBEdit;
SaleDate: TDBEdit;
AmountDue: TDBEdit;
Label1: TLabel;
Label2: TLabel;
Label3: TLabel;
Label4: TLabel;
Label7: TLabel;
DBEdit3: TDBEdit;
Label8: TLabel;

GDSStdPanel: TPanel;
GDSStdImage: TImage;
GDSLabel: TLabel;
GDSLabel2: TLabel;
GSSSloganLabel: TLabel;
GSSSloganLabel2: TLabel;
ImageBevel: TBevel;
private
{ Private declarations }
public
{ Public declarations }
end;
var
GDSStdForm: TGDSStdForm;
implementation
{SR *.dfm}
end.
////////////////////////////////////
unit GridForm;
interface
uses
SysUtils, Windows, Messages, Classes, Graphics, Controls, Forms, Dialogs,
Grids, DBGrids, DB, DBTables, ExtCtrls, StdCtrls, Buttons, GdsData;
type
TGridViewForm = class(TStdDataForm)
DBGrid1: TDBGrid;
<-----> procedure DBGrid1DbClick(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;

Orders: TTable;
Cust: TTable;
OrdersSource: TDataSource;
OrdersOrderNo: TFloatField;
OrdersCustNo: TFloatField;
OrdersSaleDate: TDateTimeField;
OrdersShipDate: TDateTimeField;
OrdersEmpNo: TIntegerField;
OrdersShipToContact: TStringField;
OrdersShipToAddr1: TStringField;
OrdersShipToAddr2: TStringField;
OrdersShipToCity: TStringField;
OrdersShipToState: TStringField;
OrdersShipToZip: TStringField;
OrdersShipToCountry: TStringField;
OrdersShipToPhone: TStringField;
OrdersShipVIA: TStringField;
OrdersPO: TStringField;
OrdersTerms: TStringField;
OrdersPaymentMethod: TStringField;
OrdersItemsTotal: TCurrencyField;
OrdersTaxRate: TFloatField;
OrdersFreight: TCurrencyField;
OrdersCustName: TStringField;
OrdersAmountDue: TCurrencyField;
OrdersAmountPaid: TCurrencyField;
GroupBox1: TGroupBox;
FilterOnLabel: TLabel;
FilterCriteria: TEdit;
FilterCheckBox: TCheckBox;
NextBtn: TButton;
PriorBtn: TButton;
OrdersTaxAmount: TCurrencyField;
<-----> procedure FilterOnRadioGroupClick(Sender: TObject);
<-----> procedure FormCreate(Sender: TObject);

DBEdit4: TDBEdit;
Label5: TLabel;
DBEdit1: TDBEdit;
Label9: TLabel;
DBEdit5: TDBEdit;
Bevel1: TBevel;
DBNavigator1: TDBNavigator;
Panel1: TPanel;
OnCredit: TDBCheckBox;
Label11: TLabel;
DBEdit7: TDBEdit;
DBEdit8: TDBEdit;
Label12: TLabel;
private
{ Private declarations }
public
{ Public declarations }
end;
var
RecViewForm: TRecViewForm;
implementation
{SR *.dfm}
end.
////////////////////////////////////
unit GdsData;
interface
uses
SysUtils, Windows, Messages, Classes, Graphics, Controls, Forms, Dialogs, Buttons, StdCtrls, ExtCtrls, Grids, DBGrids, DB, DBTables, Mask, DBCtrls, GdsStd;
type
TStdDataForm = class(TGDStdForm)
StdCtrlPanel: TPanel;
FilterOnRadioGroup: TRadioGroup;

Orders.OnFilterRecord := OrdersFilterOnDate;	<-----> procedure OrdersFilterOnDate(DataSet: TDataSet; var Accept: Boolean);
FilterCriteria.Text := DateToStr(FLastDate);	<-----> procedure OrdersFilterOnAmount(DataSet: TDataSet; var Accept: Boolean);
end;	<-----> procedure OrdersCalcFields(DataSet: TDataSet);
1: begin	<-----> procedure FilterCheckBoxClick(Sender: TObject);
Orders.OnFilterRecord := OrdersFilterOnAmount;	<-----> procedure PriorBtnClick(Sender: TObject);
FilterCriteria.Text := FloatToStr(FLastAmount);	<-----> procedure NextBtnClick(Sender: TObject);
end;	<-----> procedure FilterCriteriaExit(Sender: TObject);
end;	<-----> procedure FilterCriteriaKeyPress(Sender: TObject; var Key: Char);
ActiveControl := FilterCriteria;	protected
end;	FLastAmount: Double;
if Orders.Filtered then Orders.Refresh;	FLastDate: TDateTime;
end;	function CalcAmountDue: Double;
	<-----> procedure ConvertFilterCriteria;
<-----> procedure TStdDataForm.FormCreate(Sender: TObject);	end;
begin	
inherited;	var
FLastDate := EncodeDate(1995, 1, 1);	StdDataForm: TStdDataForm;
FLastAmount := 1000;	
FilterOnRadioGroup.ItemIndex := 0;	implementation
end;	{SR *.dfm}
{ Calculate the value of AmountDue. Used in the OnCalcFields and OnFilterRecord event handlers. }	<-----> procedure TStdDataForm.FilterOnRadioGrou pClick(Sender: TObject);
	begin
function TStdDataForm.CalcAmountDue: Double;	inherited;
begin	with FilterOnRadioGroup do
Result :=	begin
OrdersItemsTotal.Value * (1.0 + OrdersTaxRate.Value / 100) +	FilterOnLabel.Caption := Format('Records where %S >=', [Items[ItemIndex]]);
OrdersFreight.Value - OrdersAmountPaid.Value;	case ItemIndex of
end;	0: begin
{ Convert the FilterCriteria text into a Date or Float. This value will be used in the OnFilterRecord	

fly. Include in the dataset	callback instead of using the
if its amount is greater than or equal to the specified filter	FilterCriteria directly, so that the string does not need to be
criteria. Note that calculated and lookup fields are undefined	converted each time the event is triggered. }
in an OnFilterRecord event handler. }	
<-----> procedure TStdDataForm.OrdersFilterOnAmount(DataSet: TDataSet; var Accept: Boolean);	<-----> procedure TStdDataForm.ConvertFilterCriteria;
begin	begin
inherited;	if FilterCriteria.Text <> " then
Accept := CalcAmountDue >= FLastAmount;	case
end;	FilterOnRadioGroup.ItemIndex of
	0: FLastDate := StrToDate(FilterCriteria.Text);
{ Include this order in the dataset if its date is greater	1: FLastAmount := StrToFloat(FilterCriteria.Text);
than or equal to the specified filter criteria. }	end;
<-----> procedure TStdDataForm.OrdersFilterOnDate (DataSet: TDataSet; var Accept: Boolean);	if Orders.Filtered then Orders.Refresh;
begin	end;
inherited;	
Accept := OrdersSaleDate.Value >= FLastDate;	{ Try to convert the filter criteria whenever the edit control
end;	loses focus, or the user presses enter }
<-----> procedure TStdDataForm.OrdersCalcFields(DataSet: TDataSet);	<-----> procedure TStdDataForm.FilterCriteriaExit(Sender: TObject);
begin	begin
inherited;	inherited;
OrdersTaxAmount.Value := OrdersItemsTotal.Value * (OrdersTaxRate.Value / 100);	ConvertFilterCriteria;
OrdersAmountDue.Value := CalcAmountDue;	end;
end;	
	<-----> procedure TStdDataForm.FilterCriteriaKeyPress(Sender: TObject; var Key: Char);
{ Store contents of filter criteria from edit control }	begin
<-----> procedure TStdDataForm.FilterCheckBoxClick(Sender: TObject);	inherited;
begin	if Key = #13 then
	begin
	ConvertFilterCriteria;
	Key := #0
	end;
	end;
	{ Calculate this order's total on the

ClientHeight = 322
ClientWidth = 480
PixelsPerInch = 96
TextHeight = 13
inherited GDSStdPanel: TPanel
Width = 480
end
inherited StdCtrlPanel: TPanel
Width = 480
inherited PriorBtn: TButton
Left = 385
end
end
<-----> Object GroupBox2: TPanel [2]
Left = 0
Top = 161
Width = 480
Height = 161
Align = alClient
BevelOuter = bvLowered
TabOrder = 2
<-----> Object Label1: TLabel
Left = 8
Top = 42
Width = 46
Height = 13
Caption = 'Order No:'
end
<-----> Object Label2: TLabel
Left = 8
Top = 68
Width = 47
Height = 13
Caption = 'Customer:'
end
<-----> Object Label3: TLabel
Left = 131
Top = 41
Width = 50
Height = 13
Caption = 'Sale Date:'
end
<-----> Object Label4: TLabel
Left = 300
Top = 126
Width = 62
Height = 13

inherited;
ConvertFilterCriteria;
Orders.Filtered :=
FilterCheckBox.Checked;
NextBtn.Enabled := not
FilterCheckBox.Checked;
PriorBtn.Enabled := not
FilterCheckBox.Checked;
end;
{ Button handlers for new filter-oriented dataset navigation methods }
<-----> procedure TStdDataForm.PriorBtnClick(Sender: TObject);
begin
inherited;
ConvertFilterCriteria;
Orders.FindPrior;
end;
<-----> procedure TStdDataForm.NextBtnClick(Sender: TObject);
begin
inherited;
ConvertFilterCriteria;
Orders.FindNext;
end;
end.
////////////////////////////////////

<-----> Objects27
الملف النصي لبرنامج
(GdsDemo)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
inherited RecViewForm: TRecViewForm
Caption = 'Single Record View'

DataSource = OrdersSource
TabOrder = 0
end
<-----> Object CustName:
TDBEdit
Left = 66
Top = 65
Width = 187
Height = 21
DataField = 'CustName'
DataSource = OrdersSource
TabOrder = 1
end
<-----> Object SaleDate:
TDBEdit
Left = 186
Top = 39
Width = 67
Height = 21
DataField = 'SaleDate'
DataSource = OrdersSource
TabOrder = 2
end
<-----> Object AmountDue:
TDBEdit
Left = 376
Top = 123
Width = 81
Height = 21
DataField = 'Amount'
DataSource = OrdersSource
TabOrder = 3
end
<-----> Object DBEdit3:
TDBEdit
Left = 376
Top = 15
Width = 81
Height = 21
DataField = 'ItemsTotal'
DataSource = OrdersSource
TabOrder = 4
end
<-----> Object DBEdit4:
TDBEdit
Left = 376
Top = 87
Width = 81

Caption = 'Amount Due:'
end
<-----> Object Label7: TLabel
Left = 300
Top = 19
Width = 55
Height = 13
Caption = 'Items Total:'
FocusControl = DBEdit3
end
<-----> Object Label8: TLabel
Left = 300
Top = 92
Width = 63
Height = 13
Caption = 'Amount Paid:'
FocusControl = DBEdit4
end
<-----> Object Label5: TLabel
Left = 300
Top = 67
Width = 35
Height = 13
Caption = 'Freight:'
FocusControl = DBEdit1
end
<-----> Object Label9: TLabel
Left = 300
Top = 43
Width = 21
Height = 13
Caption = 'Tax:'
FocusControl = DBEdit5
end
<-----> Object Bevel1: TBevel
Left = 309
Top = 115
Width = 148
Height = 2
Shape = bsTopLine
end
<-----> Object OrderNo:
TDBEdit
Left = 66
Top = 39
Width = 50
Height = 21
DataField = 'OrderNo'

Height = 13
Caption = 'Terms:'
FocusControl = DBEdit7
end
<-----> Object Label12: TLabel
Left = 23
Top = 10
Width = 18
Height = 13
Caption = 'PO:'
FocusControl = DBEdit8
end
<-----> Object OnCredit: TDBCheckBox
Left = 96
Top = 32
Width = 77
Height = 17
Caption = 'On Credit'
DataField = 'PaymentMethod'
DataSource = OrdersSource
TabOrder = 0
ValueChecked = 'Credit'
ValueUnchecked = 'Visa;Cash;Check;MC;Amex'
end
<-----> Object DBEdit7: TDBEdit
Left = 44
Top = 30
Width = 40
Height = 21
DataField = 'Terms'
DataSource = OrdersSource
TabOrder = 1
end
<-----> Object DBEdit8: TDBEdit
Left = 44
Top = 6
Width = 113
Height = 21
DataField = 'PO'
DataSource = OrdersSource
TabOrder = 2
end
end
end

Height = 21
DataField = 'AmountPaid'
DataSource = OrdersSource
TabOrder = 5
end
<-----> Object DBEdit1: TDBEdit
Left = 376
Top = 63
Width = 81
Height = 21
DataField = 'Freight'
DataSource = OrdersSource
TabOrder = 6
end
<-----> Object DBEdit5: TDBEdit
Left = 376
Top = 39
Width = 81
Height = 21
DataField = 'TaxAmount'
DataSource = OrdersSource
TabOrder = 7
end
<-----> Object DBNavigator1: TDBNavigator
Left = 107
Top = 10
Width = 88
Height = 21
DataSource = OrdersSource
VisibleButtons = [nbFirst, nbPrior, nbNext, nbLast]
TabOrder = 8
end
<-----> Object Panel1: TPanel
Left = 71
Top = 92
Width = 177
Height = 57
BevelInner = bvRaised
BevelOuter = bvLowered
TabOrder = 9
<-----> Object Label11: TLabel
Left = 7
Top = 34
Width = 32

Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCloseQuery = FormCloseQuery
OnCreate = FormCreate
OnDestroy = FormDestroy
PixelsPerInch = 96
TextHeight = 13
<-----> object Label1: TLabel
Left = 16
Top = 16
Width = 74
Height = 13
Caption = '&Database Alias:'
FocusControl = AliasCombo
end
<-----> object Label2: TLabel
Left = 16
Top = 56
Width = 31
Height = 13
Caption = '&Query:'
FocusControl = QueryEdit
end
<-----> object Label3: TLabel
Left = 152
Top = 16
Width = 56
Height = 13
Caption = '&User Name:'
FocusControl = NameEdit
end
<-----> object Label4: TLabel
Left = 304
Top = 16
Width = 49
Height = 13
Caption = '&Password:'
FocusControl = PasswordEdit
end
<-----> object Label5: TLabel
Left = 15
Top = 259
Width = 72
Height = 13
Caption = '&Retrieve query:'
FocusControl =

End
////////////////////////////////////
inherited GridViewForm: TGridViewForm
Caption = 'Grid View'
PixelsPerInch = 96
TextHeight = 13
<-----> Object DBGrid1: TDBGrid [2]
Left = 0
Top = 161
Width = 460
Height = 159
Align = alClient
DataSource = OrdersSource
TabOrder = 2
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
OnDbClick = DBGrid1DbClick
end
End
////////////////////////////////////

<-----> object s31
الملف النصي لبرنامج
(BkQuery----
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> object AdhocForm: TAdhocForm
Left = 144
Top = 297
BorderStyle = bsSingle
Caption = 'Adhoc Background Query Demo'
ClientHeight = 297
ClientWidth = 545

TabOrder = 2
Text = 'masterkey'
end
<-----> object ExecuteBtn:
TButton
Left = 464
Top = 8
Width = 75
Height = 25
Caption = '&Execute'
Default = True
TabOrder = 5
OnClick = ExecuteBtnClick
end
<-----> object CloseBtn: TButton
TButton
Left = 464
Top = 134
Width = 75
Height = 25
Cancel = True
Caption = '&Close'
TabOrder = 6
OnClick = CloseBtnClick
end
<-----> object SavedQueryCombo:
TComboBox
Left = 96
Top = 256
Width = 345
Height = 21
Style = csDropDownList
ItemHeight = 13
TabOrder = 4
OnChange =
SavedQueryComboChange
end
<-----> object SaveBtn: TButton
TButton
Left = 464
Top = 72
Width = 75
Height = 25
Caption = '&Save'
TabOrder = 7
OnClick = SaveBtnClick
end
<-----> object SaveAsBtn:
TButton
Left = 464

SavedQueryCombo
end
<-----> object Bevel1: TBevel
TBevel
Left = 8
Top = 8
Width = 449
Height = 281
Shape = bsFrame
end
<-----> object AliasCombo:
TComboBox
Left = 16
Top = 32
Width = 129
Height = 21
ItemHeight = 13
TabOrder = 0
Text = 'AliasCombo'
end
<-----> object QueryEdit: TMemo
TMemo
Left = 16
Top = 72
Width = 425
Height = 177
Lines.Strings = (
'select Company,
Sum(ItemsTotal) -
Sum(AmountPaid) as AmountDue '
' from customer, orders '
' where Customer.CustNo =
Orders.CustNo'
' group by Company')
TabOrder = 3
end
<-----> object NameEdit: TEdit
TEdit
Left = 152
Top = 32
Width = 145
Height = 21
TabOrder = 1
end
<-----> object PasswordEdit:
TEdit
Left = 304
Top = 32
Width = 137
Height = 21
PasswordChar = '*'

Align = alBottom
Caption = 'Opening...'
WordWrap = True
end
<-----> object DBGrid1: TDBGrid
Left = 0
Top = 13
Width = 435
Height = 272
Align = alClient
DataSource = DataSource
TabOrder = 0
TitleFont.Charset =
DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
<-----> object DataSource:
TDataSource
Left = 112
Top = 248
end
<-----> object Query: TQuery
Left = 80
Top = 248
end
<-----> object Session: TSession
Left = 16
Top = 248
end
<-----> object Database:
TDatabase
LoginPrompt = False
SessionName = 'Default'
Left = 48
Top = 248
end
End
////////////////////////////////////
3
<-----> object SaveQueryAs:
TSaveQueryAs
Left = 111
Top = 149
BorderStyle = bsDialog

Top = 104
Width = 75
Height = 25
Caption = 'Save &as'
TabOrder = 8
OnClick = SaveAsBtnClick
end
<-----> object NewBtn: TButton
Left = 464
Top = 40
Width = 75
Height = 25
Caption = '&New'
TabOrder = 9
OnClick = NewBtnClick
end
End
////////////////////////////////////
2
<-----> object QueryForm:
TQueryForm
Left = 170
Top = 114
Width = 443
Height = 332
Caption = 'Background Query'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poDefault
PixelsPerInch = 96
TextHeight = 13
<-----> object QueryLabel:
TLabel
Left = 0
Top = 0
Width = 435
Height = 13
Align = alTop
Caption = '[Query text]'
WordWrap = True
end
<-----> object StatusLine: TLabel
Left = 0
Top = 285
Width = 435
Height = 13

ModalResult = 2
TabOrder = 2
end
End
////////////////////////////////

الملف التنفيذي لبرنامج
Procedure37
BkQuery)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١
{ Demonstrates how to execute a query in a background thread. This files contains the main user interface for this program. The background query code is in ResltFrm }
unit QueryFrm;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, IniFiles, ExtCtrls, DBTables;
type
TAdhocForm = class(TForm)
AliasCombo: TComboBox;
Label1: TLabel;
QueryEdit: TMemo;
Label2: TLabel;
NameEdit: TEdit;
PasswordEdit: TEdit;
Label3: TLabel;
Label4: TLabel;
ExecuteBtn: TButton;
CloseBtn: TButton;

Caption = 'Save query as'
ClientHeight = 102
ClientWidth = 343
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> object Bevel1: TBevel
Left = 8
Top = 8
Width = 329
Height = 57
Shape = bsFrame
end
<-----> object Label1: TLabel
Left = 16
Top = 11
Width = 60
Height = 13
Caption = 'Query name:'
end
<-----> object NameEdit: TEdit
Left = 16
Top = 27
Width = 305
Height = 21
TabOrder = 0
OnChange = NameEditChange
end
<-----> object OKBtn: TButton
Left = 184
Top = 72
Width = 75
Height = 25
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 1
end
<-----> object CancelBtn: TButton
Left = 264
Top = 72
Width = 75
Height = 25
Cancel = True
Caption = 'Cancel'

function StrToIniStr(const Str: string): string;
var
Buffer: array[0..4095] of Char;
B, S: PChar;
begin
if Length(Str) > SizeOf(Buffer)
then
raise Exception.Create('String too large to save in INI file');
S := PChar(Str);
B := Buffer;
while S^ <> #0 do
case S^ of
#13, #10:
begin
if (S^ = #13) and (S[1] = #10)
then Inc(S)
else if (S^ = #10) and (S[1] = #13) then Inc(S);
B^ := '\';
Inc(B);
B^ := 'n';
Inc(B);
Inc(S);
end;
else
B^ := S^;
Inc(B);
Inc(S);
end;
B^ := #0;
Result := Buffer;
end;
function IniStrToStr(const Str: string): string;
var
Buffer: array[0..4095] of Char;
B, S: PChar;
begin
if Length(Str) > SizeOf(Buffer)
then
raise Exception.Create('String too read from an INI file');
S := PChar(Str);
B := Buffer;

SavedQueryCombo: TComboBox;
Label5: TLabel;
SaveBtn: TButton;
SaveAsBtn: TButton;
NewBtn: TButton;
Bevel1: TBevel;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
CloseBtnClick(Sender: TObject);
<-----> procedure
ExecuteBtnClick(Sender: TObject);
<-----> procedure
FormDestroy(Sender: TObject);
<-----> procedure
NewBtnClick(Sender: TObject);
<-----> procedure
SaveBtnClick(Sender: TObject);
<-----> procedure
SaveAsBtnClick(Sender: TObject);
<-----> procedure
SavedQueryComboChange(Sender: TObject);
<-----> procedure
FormCloseQuery(Sender: TObject;
var CanClose: Boolean);
private
{ Private declarations }
QueryName, OldAlias: string;
SavedQueries: TIniFile;
Unnamed: Boolean;
function IsModified: Boolean;
function CheckModified: Boolean;
<-----> procedure Unmodify;
<-----> procedure ReadQuery;
<-----> procedure SaveQuery;
<-----> procedure SaveQueryAs;
public
{ Public declarations }
end;
var
AdhocForm: TAdhocForm;
implementation
uses DB, ResltFrm, SaveQAs;
{SR *.dfm}

QueryEdit.Modified := False;
end;
<-----> procedure
TAdhocForm.ReadQuery;
begin
if not CheckModified then Exit;
with SavedQueries do
begin
QueryName :=
SavedQueryCombo.Items[SavedQue
ryCombo.ItemIndex];
QueryEdit.Text :=
IniStrToStr(ReadString(QueryNam
e, 'Query', ''));
AliasCombo.Text :=
ReadString(QueryName, 'Alias', '');
NameEdit.Text :=
ReadString(QueryName, 'Name', '');
end;
Unmodify;
if Showing then
if NameEdit.Text <> '' then
PasswordEdit.SetFocus else
QueryEdit.SetFocus;
end;
<-----> procedure
TAdhocForm.SaveQueryAs;
begin
if GetNewName(QueryName) then
begin
Unnamed := False;
SaveQuery;
with SavedQueryCombo, Items do
begin
if IndexOf(QueryName) < 0 then
Add(QueryName);
ItemIndex :=
IndexOf(QueryName);
end;
end;
end;
<-----> procedure
TAdhocForm.SaveQuery;
begin
if Unnamed then
SaveQueryAs

while S^ <> #0 do
if (S[0] = '\') and (S[1] = 'n') then
begin
B^ := #13;
Inc(B);
B^ := #10;
Inc(B);
Inc(S);
Inc(S);
end
else
begin
B^ := S^;
Inc(B);
Inc(S);
end;
B^ := #0;
Result := Buffer;
end;
function TAdhocForm.IsModified:
Boolean;
begin
Result := (AliasCombo.Text <>
OldAlias) or NameEdit.Modified or
QueryEdit.Modified;
end;
function
TAdhocForm.CheckModified:
Boolean;
begin
Result := True;
if IsModified then
case MessageDlg(Format('Query
%s modified, save?', [QueryName]),
mtConfirmation,
mbYesNoCancel, 0) of
mrYes: SaveQuery;
mrCancel: Result := False;
end;
end;
end;
<-----> procedure
TAdhocForm.Unmodify;
begin
OldAlias := AliasCombo.Text;
NameEdit.Modified := False;

'Alias', 'IBLOCAL');	else
WriteString(VeryInefficientName, 'Name', 'SYSDBA');	with SavedQueries do
SavedQueryCombo.Items.Add(VeryInefficientName);	begin
WriteString(AmountDueName, 'Query', AmountDueByCustomer);	WriteString(QueryName, 'Query', StrToIniStr(QueryEdit.Text));
WriteString(AmountDueName, 'Alias', 'DBDEMOS');	WriteString(QueryName, 'Alias', AliasCombo.Text);
WriteString(AmountDueName, 'Name', '');	WriteString(QueryName, 'Name', NameEdit.Text);
SavedQueryCombo.Items.Add(AmountDueName);	Unmodify;
end;	end;
end;	end;
begin	<-----> procedure
{ Grab session aliases }	TAdhocForm.FormCreate(Sender: TObject);
Session.GetAliasNames(AliasCombo.Items);	<-----> procedure
{ Load in saved queries }	CreateInitialIni;
SavedQueries := TIniFile.Create('BKQUERY.INI');	const
SavedQueries.ReadSections(SavedQueryCombo.Items);	VeryInefficientName = 'IB: Very Inefficient Query';
if SavedQueryCombo.Items.Count <= 0 then CreateInitialIni;	VeryInefficientQuery =
SavedQueryCombo.ItemIndex := 0;	'select EMP_NO, Avg(Salary) as Salary\n'+
QueryName := SavedQueryCombo.Items[0];	' from employee, employee, employee\n' +
Unmodify;	' group by EMP_NO';
ReadQuery;	AmountDueName = 'DB: Amount Due By Customer';
end;	AmountDueByCustomer =
<-----> procedure	'select Company, Sum(ItemsTotal) - Sum(AmountPaid) as AmountDue\n' +
TAdhocForm.FormDestroy(Sender: TObject);	' from customer, orders\n' +
begin	' where Customer.CustNo = Orders.CustNo\n' +
SavedQueries.Free;	' group by Company';
end;	begin
<-----> procedure	{ Create initial INI file when one doesn't already exist }
	with SavedQueries do
	begin
	WriteString(VeryInefficientName, 'Query', VeryInefficientQuery);
	WriteString(VeryInefficientName,

TObject);
begin
SaveQuery;
end;
<-----> procedure
TAdhocForm.SaveAsBtnClick(Sender: TObject);
begin
SaveQueryAs;
end;
<-----> procedure
TAdhocForm.SavedQueryComboChange(Sender: TObject);
begin
ReadQuery;
end;
<-----> procedure
TAdhocForm.FormCloseQuery(Sender: TObject);
var CanClose: Boolean);
begin
CanClose := CheckModified;
end;
end.
////////////////////////////////////
2
unit ResltFrm;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
ExtCtrls, DB, DBTables, Grids,
DBGrids, StdCtrls;
type
TQueryForm = class(TForm)
QueryLabel: TLabel;
DBGrid1: TDBGrid;
DataSource: TDataSource;

TAdhocForm.CloseBtnClick(Sender: TObject);
begin
Close;
end;
<-----> procedure
TAdhocForm.ExecuteBtnClick(Sender: TObject);
begin
BackgroundQuery(QueryName, AliasCombo.Text, NameEdit.Text, PasswordEdit.Text, QueryEdit.Text);
BringToFront;
end;
<-----> procedure
TAdhocForm.NewBtnClick(Sender: TObject);
function UniqueName: string;
var
I: Integer;
begin
I := 1;
repeat
Result := Format('Query%d', [I]);
Inc(I);
until SavedQueryCombo.Items.IndexOf(Result) < 0;
end;
begin
AliasCombo.Text := 'DBDEMOS';
NameEdit.Text := '';
PasswordEdit.Text := '';
QueryEdit.Text := '';
QueryEdit.SetFocus;
QueryName := UniqueName;
SavedQueryCombo.ItemIndex := -1;
Unnamed := True;
end;
<-----> procedure
TAdhocForm.SaveBtnClick(Sender:

Guard: Integer;
Numbers: Integer;
{ Thread safe increment of Numbers to guarantee the result is unique }
function GetUniqueNumber: Integer;
asm
@@1: MOV EDX,1
XCHG Guard,EDX
OR EDX,EDX
JNZ @@2
MOV EAX,Numbers
INC EAX
MOV Numbers,EAX
MOV Guard,EDX
RET
@@2: PUSH 0
CALL Sleep
JMP @@1
end;
<-----> procedure TQueryThread.Execute;
var
UniqueNumber: Integer;
begin
try
with QueryForm do
begin
{ Ensure the Query has a unique session and database. A unique session
is required for each thread. Since databases are session specific
it must be unique as well }
UniqueNumber :=
GetUniqueNumber;
Session.SessionName :=
Format('%s%x', [Session.Name,
UniqueNumber]);
Database.SessionName :=
Session.SessionName;
Database.DatabaseName :=
Format('%s%x', [Database.Name,

Query: TQuery;
Session: TSession;
StatusLine: TLabel;
Database: TDatabase;
private
{ Private declarations }
public
{ Public declarations }
end;
<-----> procedure BackgroundQuery(const QueryName, Alias, User, Password, QueryText: string);
implementation
{SR *.dfm}
{ TQueryThread }
type
TQueryThread = class(TThread)
private
QueryForm: TQueryForm;
MessageText: string;
<-----> procedure ConnectQuery;
<-----> procedure DisplayMessage;
protected
<-----> procedure Execute;
override;
public
constructor Create(AQueryForm: TQueryForm);
end;
constructor TQueryThread.Create(AQueryForm: TQueryForm);
begin
QueryForm := AQueryForm;
FreeOnTerminate := True;
inherited Create(False);
end;
var

with QueryForm do
StatusLine.Caption := MessageText;
end;
{ BackgroundQuery }
<-----> procedure
BackgroundQuery(const
QueryName, Alias, User, Password,
QueryText: string);
var
QueryForm: TQueryForm;
begin
QueryForm :=
TQueryForm.Create(Application);
with QueryForm, Database do
begin
 Caption := QueryName;
 QueryLabel.Caption :=
 QueryText;
 Show;
 AliasName := Alias;
 Params.Values['USER'] := User;
 Params.Values['PASSWORD'] :=
 Password;
 Query.Sql.Text := QueryText;
end;
{ Create the background thread to
 execute the query. Since the thread
 will free itself on termination we
 do not need to maintain a reference
 to it. Creating it is enough }
TQueryThread.Create(QueryForm);
end;
end.
//////////
3
unit SaveQAs;
interface
uses
 Windows, Messages, SysUtils,
 Classes, Graphics, Controls, Forms,
 Dialogs,

UniqueNumber]);
 Query.SessionName :=
 Database.SessionName;
 Query.DatabaseName :=
 Database.DatabaseName;
{ Open the query }
 Query.Open;
{ Connect the query to the grid.
 This must be done in a synchronizied
 method since assigning the
 query to the DataSource will modify
 the
 contents of the grid and the grid
 can only be modified from the main
 VCL thread }
 Synchronize(ConnectQuery);
{ Update the status line. Since
 the label is a VCL control this must
 also be done in the main VCL
 thread }
 MessageText := 'Query
 opened';
 Synchronize(DisplayMessage);
end;
except
 on E: Exception do
 begin
 { Display any error we receive on
 the status line }
 MessageText := Format('%s:
 %s.', [E.ClassName, E.Message]);
 Synchronize(DisplayMessage);
 end;
end;
end;
<-----> procedure
TQueryThread.ConnectQuery;
begin
 with QueryForm do
 DataSource.Dataset := Query;
end;
<-----> procedure
TQueryThread.DisplayMessage;
begin

القسم السادسبرمجة الألعابفي لغة البرمجة دلفي

الملف التنفيذي لبرنامج
24 procedures
Swat)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit Main;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
ExtCtrls, Menus, StdCtrls;
const
crMaletUp : integer = 5;
crMaletDown : integer = 6;
MissedPoints : integer = -2;
HitPoints : integer = 5;
MissedCriter : integer = -1;
CriterSize : integer = 72;
TimerId : integer = 1;
type
THole = record
Time : integer;

StdCtrls, ExtCtrls;
type
TSaveQueryAs = class(TForm)
NameEdit: TEdit;
Label1: TLabel;
Bevel1: TBevel;
OKBtn: TButton;
CancelBtn: TButton;
<-----> procedure
NameEditChange(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
function GetNewName(var QueryName: string): Boolean;
implementation
{SR *.dfm}
function GetNewName(var QueryName: string): Boolean;
begin
with
TSaveQueryAs.Create(Application)
do
begin
NameEdit.Text := QueryName;
Result := ShowModal = mrOK;
if Result then QueryName :=
NameEdit.Text;
end;
end;
<-----> procedure
TSaveQueryAs.NameEditChange(Se nder: TObject);
begin
OkBtn.Enabled := NameEdit.Text
<>";
end;
end.
////////////////////////////////////

Dead : TBitmap;
HoleInfo : array[0..4] of THole;
Holes : array[0..4] of TPoint;
<-----> procedure WriteScore;
public
{ Public declarations }
LiveTime, Frequence, GameTime
: integer;
end;
var
SwatForm: TSwatForm;
implementation
uses options, about;
{ \$R *.dfm }
{ \$R extrares.res }
<-----> procedure
TSwatForm.FormCreate(Sender:
TObject);
begin
Holes[0] := Point(10, 10);
Holes[1] := Point(200, 10);
Holes[2] := Point(100, 100);
Holes[3] := Point(10, 200);
Holes[4] := Point(200, 200);
Screen.Cursors[crMaletUp] :=
LoadCursor(HInstance, 'Malet');
Screen.Cursors[crMaletDown] :=
LoadCursor(HInstance,
'MaletDown');
Screen.Cursor :=
TCursor(crMaletUp);
randomize;
Live := TBitmap.Create;
Live.LoadFromResourceName(HIns
tance, 'Live');
Dead := TBitmap.Create;
Dead.LoadFromResourceName(HIn
stance, 'Dead');

Dead : boolean;
end;
TSwatForm = class(TForm)
MainMenu1: TMainMenu;
Gamr1: TMenuItem;
New1: TMenuItem;
Options1: TMenuItem;
Stop1: TMenuItem;
Pause1: TMenuItem;
About1: TMenuItem;
Timer1: TTimer;
GameOverImage: TImage;
Image1: TImage;
TimeLabel: TLabel;
MissLabel: TLabel;
HitsLabel: TLabel;
EscapedLabel: TLabel;
ScoreLabel: TLabel;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
Timer1Timer(Sender: TObject);
<-----> procedure
FormMouseDown(Sender: TObject;
Button: TMouseButton;
Shift: TShiftState; X, Y:
Integer);
<-----> procedure
FormMouseUp(Sender: TObject;
Button: TMouseButton;
Shift: TShiftState; X, Y:
Integer);
<-----> procedure
New1Click(Sender: TObject);
<-----> procedure
Options1Click(Sender: TObject);
<-----> procedure
Stop1Click(Sender: TObject);
<-----> procedure
Pause1Click(Sender: TObject);
<-----> procedure
About1Click(Sender: TObject);
private
{ Private declarations }
Score : integer;
Hits, Miss, Escaped : integer;
IsGameOver, IsPause : Boolean;
Live : TBitmap;

WriteScore;
if (Timer1.Tag >= GameTime) then
Stop1Click(self);
end;
<-----> procedure
TSwatForm.FormMouseDown(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
var
i : integer;
hit : boolean;
begin
Screen.Cursor :=
TCursor(crMaletDown);
if (IsGameOver or IsPause) then
exit;
hit := false;
for i := 0 to 4 do
if ((not HoleInfo[i].Dead) and
(HoleInfo[i].Time <> 0)) then
if (X > Holes[i].x) and (X <
(Holes[i].x + Live.Width)) and
(Y > Holes[i].y) and (Y <
(Holes[i].y + Live.Height)) then
begin
inc(Score, HitPoints);
HoleInfo[i].Dead := true;
HoleInfo[i].Time := Timer1.Tag
+ 2 * LiveTime;
inc(Hits);
hit := true;
Canvas.Draw(Holes[i].x,
Holes[i].y, Dead);
end;
if not(hit) then
begin
inc (Score, MissedPoints);
inc(Miss);
end;
WriteScore;
end;
<-----> procedure
TSwatForm.FormMouseUp(Sender: TObject; Button: TMouseButton;

IsGameOver := true;
IsPause := false;
LiveTime := 10;
Frefuence := 20;
GameTime := 150; // fifteen
seconds
Application.OnMinimize :=
Pause1Click;
Application.OnRestore :=
Pause1Click;
end;
<-----> procedure
TSwatForm.Timer1Timer(Sender: TObject);
var
i : integer;
begin
Timer1.Tag := Timer1.Tag + 1;
i := random(Frefuence);
if (i < 5) then
begin
if (HoleInfo[i].Time = 0) then
begin
HoleInfo[i].Time := Timer1.Tag
+ LiveTime;
HoleInfo[i].Dead := false;
Canvas.Draw(Holes[i].x,
Holes[i].y, Live);
end;
end;
for i := 0 to 4 do
begin
if ((Timer1.Tag >
HoleInfo[i].Time) and (
HoleInfo[i].Time <> 0)) then
begin
HoleInfo[i].Time := 0;
if not(HoleInfo[i].Dead) then
begin
inc(Score, MissedCritter);
inc(Escaped);
end;
Canvas.FillRect(Rect(Holes[i].x,
Holes[i].y, Holes[i].x + Dead.Width,
Holes[i].y + Dead.Height));
end;
end;

New1.Enabled := true;
Options1.Enabled := true;
Stop1.Enabled := false;
for i := 0 to 4 do
 if (HoleInfo[i].Time <> 0) then
 Canvas.FillRect(Rect(Holes[i].x,
 Holes[i].y, Holes[i].x + Dead.Width,
 Holes[i].y + Dead.Height));
end;
<-----> procedure
TSwatForm.Pause1Click(Sender:
TObject);
begin
 if (IsGameOver) then
 exit;
 if (IsPause) then
 begin
 IsPause := false;
 Pause1.Caption := '&Pause';
 Stop1.Enabled := true;
 Timer1.Enabled := true;
 end
 else
 begin
 IsPause := true;
 Pause1.Caption := '&Continue';
 Stop1.Enabled := false;
 Timer1.Enabled := false;
 end;
end;
<-----> procedure
TSwatForm.About1Click(Sender:
TObject);
begin
 AboutBox.ShowModal;
end;
<-----> procedure
TSwatForm.WriteScore;
begin
 TimeLabel.Caption :=
 IntToStr(GameTime - Timer1.Tag);
 HitsLabel.Caption :=
 IntToStr(Hits);
 MissLabel.Caption :=

Shift: TShiftState; X, Y: Integer);
begin
 Screen.Cursor :=
 TCursor(crMaletUp);
end;
<-----> procedure
TSwatForm.New1Click(Sender:
TObject);
begin
 Timer1.Enabled := true;
 Timer1.Tag := 0;
 Score := 0;
 Hits := 0;
 Miss := 0;
 Escaped := 0;
 if (IsPause)
 then begin
 IsPause := false;
 Pause1.Caption := '&Pause';
 end;
 GameOverImage.Visible := false;
 IsGameOver := false;
 FillChar(HoleInfo,
 sizeof(HoleInfo), 0);
 New1.Enabled := false;
 Options1.Enabled := false;
 Stop1.Enabled := true;
end;
<-----> procedure
TSwatForm.Options1Click(Sender:
TObject);
begin
 OptionsDlg.ShowModal;
end;
<-----> procedure
TSwatForm.Stop1Click(Sender:
TObject);
var
 i : integer;
begin
 Timer1.Enabled := false;
 IsPause := false;
 GameOverImage.Visible := true;
 IsGameOver := true;
 Timer1.Tag := GameTime;

////////////////////////////////////
3
unit options;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, ComCtrls, ExtCtrls;
type
TOptionsDlg = class(TForm)
Bevel1: TBevel;
Slow: TLabel;
Fast: TLabel;
Label1: TLabel;
Label2: TLabel;
Speed: TLabel;
Population: TLabel;
Time: TLabel;
OKBtn: TButton;
CancelBtn: TButton;
SpeedSet: TTrackBar;
PopulationSet: TTrackBar;
GameTimeSet: TEdit;
<-----> procedure
OKBtnClick(Sender: TObject);
<-----> procedure
FormShow(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
OptionsDlg: TOptionsDlg;
implementation
uses Main;
{ \$R *.dfm }
<-----> procedure
TOptionsDlg.OKBtnClick(Sender:

IntToStr(Miss);
EscapedLabel.Caption :=
IntToStr(Escaped);
ScoreLabel.Caption :=
IntToStr(Score);
end;
end.
////////////////////////////////////
2
unit about;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, ExtCtrls;
type
TAboutBox = class(TForm)
Panel1: TPanel;
ProgramIcon: TImage;
ProductName: TLabel;
Hits: TLabel;
Copyright: TLabel;
Comments: TLabel;
Escape: TLabel;
Miss: TLabel;
Label1: TLabel;
OKButton: TButton;
private
{ Private declarations }
public
{ Public declarations }
end;
var
AboutBox: TAboutBox;
implementation
{ \$R *.dfm }
end.

<-----> object s41
الملف النصي لبرنامج
Swat)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
<-----> object SwatForm:
TSwatForm
Left = 570
Top = 159
Width = 308
Height = 494
Caption = 'Swat!'
Color = clSilver
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu1
OldCreateOrder = False
OnCreate = FormCreate
OnMouseDown =
FormMouseDown

TObject);
begin
SwatForm.LiveTime :=
SpeedSet.Max + 1 -
SpeedSet.Position;
SwatForm.Frequence :=
PopulationSet.Position;
SwatForm.GameTime :=
StrToInt(GameTimeSet.Text);
// limit the value of GameTime to a
reasonable length
if (SwatForm.GameTime < 1) then
SwatForm.GameTime := 150;
if (SwatForm.GameTime > 9999)
then
SwatForm.GameTime := 9999;
end;
<-----> procedure
TOptionsDlg.FormShow(Sender:
TObject);
begin
SpeedSet.Position := SpeedSet.Max
+ 1 - SwatForm.LiveTime;
PopulationSet.Position :=
SwatForm.Frequence;
GameTimeSet.Text :=
inttoStr(SwatForm.GameTime);
end;
end.
////////////////////

Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Position = poScreenCenter
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<-----> object Bevel1: TBevel
Left = 8
Top = 8
Width = 281
Height = 217
Shape = bsFrame
end
<-----> object Slow: TLabel
Left = 36
Top = 72
Width = 23
Height = 13
Caption = 'Slow'
end
<-----> object Fast: TLabel
Left = 241
Top = 72
Width = 20
Height = 13
Caption = 'Fast'
end
<-----> object Label1: TLabel
Left = 36
Top = 144
Width = 20
Height = 13
Caption = 'Low'
end
<-----> object Label2: TLabel
Left = 239
Top = 144
Width = 22
Height = 13
Caption = 'High'
end
<-----> object Speed: TLabel
Left = 133

Caption = '&Game'
<-----> object New1: TMenuItem
Caption = '&New'
OnClick = New1Click
end
<-----> object Options1: TMenuItem
Caption = '&Options...'
OnClick = Options1Click
end
<-----> object Stop1: TMenuItem
Caption = '&Stop'
Enabled = False
OnClick = Stop1Click
end
end
<-----> object Pause1: TMenuItem
Caption = '&Pause'
OnClick = Pause1Click
end
<-----> object About1: TMenuItem
Caption = '&About'
OnClick = About1Click
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 100
OnTimer = Timer1Timer
Left = 32
end
End
////////////////////////////////////
2
<-----> object OptionsDlg: TOptionsDlg
Left = 174
Top = 188
BorderStyle = bsDialog
Caption = 'Options'
ClientHeight = 233
ClientWidth = 384
Color = clBtnFace

Height = 25
Max = 30
TabOrder = 2
end
<-----> object PopulationSet: TTrackBar
Left = 36
Top = 112
Width = 225
Height = 25
Max = 35
TabOrder = 3
end
<-----> object GameTimeSet: TEdit
Left = 116
Top = 184
Width = 65
Height = 21
TabOrder = 4
Text = '150'
end
End
////////////////////////////////////
3
<-----> object AboutBox: TAboutBox
Left = 150
Top = 135
BorderStyle = bsDialog
Caption = 'About Swat!...'
ClientHeight = 213
ClientWidth = 209
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> object Panell1: TPanel
Left = 8
Top = 8

Top = 24
Width = 31
Height = 13
Caption = '&Speed'
FocusControl = SpeedSet
end
<-----> object Population: TLabel
Left = 123
Top = 96
Width = 50
Height = 13
Caption = '&Population'
FocusControl = PopulationSet
end
<-----> object Time: TLabel
Left = 121
Top = 168
Width = 54
Height = 13
Caption = '&Game Time'
FocusControl = GameTimeSet
end
<-----> object OKBtn: TButton
Left = 300
Top = 8
Width = 75
Height = 25
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 0
OnClick = OKBtnClick
end
<-----> object CancelBtn: TButton
Left = 300
Top = 38
Width = 75
Height = 25
Cancel = True
Caption = 'Cancel'
ModalResult = 2
TabOrder = 1
end
<-----> object SpeedSet: TTrackBar
Left = 36
Top = 40
Width = 225

Left = 61
Top = 104
Width = 73
Height = 13
Alignment = taCenter
Caption = 'Delphi Example'
WordWrap = True
IsControl = True
end
<-----> object Escape: TLabel
Left = 55
Top = 72
Width = 82
Height = 13
Alignment = taCenter
Caption = '-1 pts per escape'
IsControl = True
end
<-----> object Miss: TLabel
Left = 63
Top = 88
Width = 67
Height = 13
Alignment = taCenter
Caption = '-2 pts per miss'
IsControl = True
end
<-----> object Label1: TLabel
Left = 48
Top = 136
Width = 97
Height = 13
Alignment = taCenter
Caption = 'Borland International'
IsControl = True
end
end
<-----> object OKButton: TButton
Left = 67
Top = 180
Width = 75
Height = 25
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 1
end

Width = 193
Height = 161
BevelInner = bvRaised
BevelOuter = bvLowered
Caption = 'Panell'
ParentColor = True
TabOrder = 0
<-----> object ProgramIcon: TImage
Left = 80
Top = 24
Width = 33
Height = 33
Picture.Data = { E0FC0003}
Stretch = True
IsControl = True
end
<-----> object ProductName: TLabel
Left = 83
Top = 8
Width = 27
Height = 13
Caption = 'Swat!'
IsControl = True
end
<-----> object Hits: TLabel
Left = 69
Top = 56
Width = 55
Height = 13
Alignment = taCenter
Caption = '5 pts per hit'
IsControl = True
end
<-----> object Copyright: TLabel
Left = 55
Top = 120
Width = 83
Height = 13
Alignment = taCenter
Caption = 'Copyright © 1998'
IsControl = True
end
<-----> object Comments: TLabel

Shift: TShiftState; X, Y: Integer);
<-----> procedure
FormCreate(Sender: TObject);
private
{ Private declarations }
FGameOver : Boolean;
public
{ Public declarations }
backgroundImage : TImage;
spriteImage : TImage;
paddle : TImage;
backgroundCanvas : TCanvas;
workCanvas : TCanvas;
backgroundRect, spriteRect, changeRect, paddleRect, changePaddleRect :TRect;
x, y, xDir, yDir, paddleX, paddleY, paddleCenter, Angle : integer;
<-----> procedure IdleLoop(Sender: TObject; var Done: Boolean);
<-----> procedure WMSetCursor(var Message: TWMSetCursor); message WM_SETCURSOR;
end;
var
Form1: TForm1;
implementation
{SR *.dfm}
uses MMSystem;
<-----> procedure TForm1.FormPaint(Sender: TObject);
begin
RealizePalette(backgroundCanvas.H andle);
RealizePalette(workCanvas.Handle);
Canvas.CopyRect(backgroundRect, workCanvas, backgroundRect);

End
////////////////////////////////////

الملف التنفيذي لبرنامج
12 procedures
EarthPng)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit Main;
interface
uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, ExtCtrls;
type
TForm1 = class(TForm)
<-----> procedure FormPaint(Sender: TObject);
<-----> procedure FormActivate(Sender: TObject);
<-----> procedure FormMouseMove(Sender: TObject);

CreateCompatibleDC(Canvas.Handle);
bkbmp := CreateCompatibleBitmap(Canvas.Handle, ClientWidth, ClientHeight);
SelectObject(backgrounddc, bkbmp);
SelectPalette(backgrounddc, backgroundImage.Picture.Bitmap.Palette, false);
backgroundCanvas.Handle := backgrounddc;
backgroundCanvas.StretchDraw(backgroundRect, backgroundImage.Picture.Bitmap);
//Set up workCanvas
workdc := CreateCompatibleDC(Canvas.Handle);
bmp := CreateCompatibleBitmap(Canvas.Handle, ClientWidth, ClientHeight);
SelectObject(workdc, bmp);
SelectPalette(workdc, backgroundImage.Picture.Bitmap.Palette, false);
workCanvas.Handle := workdc;
workCanvas.CopyRect(backgroundRect, backgroundCanvas, backgroundRect);
workCanvas.Draw(0, 0, spriteImage.Picture.Icon);
paddleX := ClientWidth div 2;
paddleY := ClientHeight - 50;
workCanvas.Draw(paddleX, paddleY, paddle.Picture.Icon);
paddleRect.Left := paddleX - paddle.Width;
paddleRect.Right := paddleX + paddle.Width;
paddleRect.Top := paddleY;
paddleRect.Bottom := paddleY + paddle.Height;

end;
<-----> procedure TForm1.FormActivate(Sender: TObject);
var
backgrounddc, workdc : HDC;
bkbmp, bmp : HBITMAP;
begin
backgroundImage := TImage.Create(Self);
spriteImage := TImage.Create(Self);
paddle := TImage.Create(Self);
workCanvas := TCanvas.Create;
backgroundCanvas := TCanvas.Create;
Angle := 1;
spriteImage.Picture.LoadFromFile('Earth.ico');
backgroundImage.Picture.LoadFromFile('androm.bmp');
paddle.Picture.LoadFromFile('paddle.ico');
WindowState := wsMaximized;
backgroundRect.Top := 0;
backgroundRect.Left := 0;
backgroundRect.Right := ClientWidth;
backgroundRect.Bottom := ClientHeight;
spriteRect.Top := 0;
spriteRect.Left := 0;
spriteRect.Right := spriteImage.Picture.Width;
spriteRect.Bottom := spriteImage.Picture.Height;
//Set up backgroundCanvas
backgrounddc :=

else
Application.Terminate;
end;
<-----> procedure
TForm1.IdleLoop(Sender: TObject;
var Done: Boolean);
var
choice, SideDef, TopDef,
PaddleDifference: integer;
begin
//keeps loop going
done := false;
//slows down action
Sleep(1);
changeRect := spriteRect;
spriteRect.Left := x;
spriteRect.Top := y;
spriteRect.Right := x +
spriteImage.Picture.Width;
spriteRect.Bottom := y +
spriteImage.Picture.Height;
workCanvas.CopyRect(paddleRect,
backgroundCanvas, paddleRect);
changePaddleRect := paddleRect;
paddleRect.Left := paddleCenter -
((paddle.Picture.Width) div 2);
paddleX := paddleRect.Left;
paddleRect.Top := paddleY;
paddleRect.Right := paddleX +
paddle.Picture.Width;
paddleRect.Bottom := paddleY +
paddle.Picture.Height;
SideDef := changeRect.Left -
spriteRect.Left;
// If SideDiff < 0 the paddle is to the
right
if(SideDef < 0) then
begin
changeRect.Right :=
spriteRect.Right;
end
else
begin
changeRect.Left :=

RealizePalette(backgroundCanvas.H
andle);
RealizePalette(workCanvas.Handle);
Canvas.CopyRect(backgroundRect,
workCanvas, backgroundRect);
end;
<-----> procedure
TForm1.FormMouseMove(Sender:
TObject; Shift: TShiftState; X,
Y: Integer);
begin
//Animates and moves paddle
paddleCenter := X;
if(paddleCenter <
paddle.Picture.Width div 2) then
paddleCenter :=
paddle.Picture.Width div 2;
if(paddleCenter > ClientWidth -
(paddle.Picture.Width div 2)) then
paddleCenter := ClientWidth -
(paddle.Picture.Width div 2);
end;
<-----> procedure
TForm1.FormCreate(Sender:
TObject);
begin
//Assign idle time function
Application.OnIdle := IdleLoop;
if(Application.MessageBox('Would
you like to play with Earth?', 'Hello
Earthling', MB_OKCANCEL) =
IDOK) then
begin
//load sound effect
sndPlaySound('Utopia
Default.wav', SND_ASYNC or
SND_FILENAME);
x := 0;
y := 0;
FGameOver := false;
ShowCursor(false);
end

```

and ( (spriteRect.Right) >=
(paddleRect.Left) )
and ( (spriteRect.Left) <=
(paddleRect.Right) ) then
begin
yDir := -5;
sndPlaySound('Utopia
Default.wav', SND_ASYNC or
SND_FILENAME);
end;

if (x <= 0) then
begin
xDir := 5;
end;

if(x >= ClientWidth - 16) then
begin
xDir := -5;
end;

inc ( x , xDir );
inc ( y , yDir );

PaddleDifference :=
changePaddleRect.Left -
paddleRect.Left;
// If PaddleDiff < 0 the paddle is to
the right
if(PaddleDifference < 0) then
begin
changePaddleRect.Right :=
paddleRect.Right;
end
else
begin
changePaddleRect.Left :=
paddleRect.Left;
end;

//Perform dirty rectangle animation
on memory and Form canvas
workCanvas.Draw(x, y,
spriteImage.Picture.Icon);
workCanvas.Draw(paddleX,
paddleY, paddle.Picture.Icon);

RealizePalette(backgroundCanvas.H
andle);

```

```

spriteRect.Left;
end;

TopDef := changeRect.Top -
spriteRect.Top;
// If SideDiff < 0 the paddle is to the
Down
if(TopDef < 0) then
begin
changeRect.Bottom :=
spriteRect.Bottom;
end
else
begin
changeRect.Top :=
spriteRect.Top;
end;

workCanvas.CopyRect(spriteRect,
backgroundCanvas, spriteRect);
//ChangeRectCalcs
if (y <= 0) then
begin
yDir := 5;
end;
if (y >= ClientHeight - 16) then
begin
FGameOver := true;
SetCursor(HCURSOR(
IDC_ARROW ));
ShowCursor(true);
choice := MessageBox(Handle,
'You lost Earth', 'Try Again?',
MB_RETRYCANCEL);
if(choice = IDRETRY) then
begin
x := 0;
y := 0;
ShowCursor(false);
end
else
Form1.Close;
end;

if ( (spriteRect.Bottom - 16) >=
(paddleRect.Top) )
and ( (spriteRect.Bottom - 16) <=
(paddleRect.Top + 5) )

```


OnActivate = FormActivate
OnCreate = FormCreate
OnMouseMove = FormMouseMove
OnPaint = FormPaint
PixelsPerInch = 96
TextHeight = 13
end

<-----> object 5
الملف النصي لبرنامج
Football)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١
<-----> object AboutForm:
TAboutForm
Left = 422
Top = 149
Width = 237
Height = 416
Caption = 'About Football...'
Color = clBlue
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> object Label1: TLabel
Left = 29
Top = 6
Width = 171
Height = 16
Caption = 'FOOTBALL
INSTRUCTIONS'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWhite

RealizePalette(workCanvas.Handle);
Canvas.CopyRect(changeRect,
workCanvas, changeRect);
Canvas.CopyRect(changePaddleRec
t, workCanvas, changePaddleRect);
end;
<-----> procedure
TForm1.WMSetCursor(var
Message: TWMSetCursor);
begin
//Hides Cursor
if not(FGameOver) then
begin
SetCursor(HCURSOR(nil));
end;
end;
end.

<-----> object 1
الملف النصي لبرنامج
EarthPng)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١
<-----> object Form1: TForm1
Left = 111
Top = 112
Width = 544
Height = 375
Caption = 'Earth Pong'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Icon.Data = {
}
OldCreateOrder = False

one.'
'(Just kidding.)')
ParentCtl3D = False
ParentFont = False
ReadOnly = True
TabOrder = 0
end
<-----> object Button1: TButton
Left = 77
Top = 355
Width = 75
Height = 25
Caption = 'OK'
ModalResult = 1
TabOrder = 1
end
End
////////////////////////////////////

الملف التنفيذي لبرنامج
40 procedures
Football)
إعداد
علاء الدين اللباد
واتف ٠٩٤٤٥٧٥٣٧١
unit Main;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
Menus, ExtCtrls, StdCtrls,
ComCtrls, MMSystem;
const
RBTOP : integer = 58;
RBMIDDLE : integer = 74;
RBBOTTOM : integer = 90;
RBLEFT : integer = 36;
TACKLETOP : integer = 59;

Font.Height = -13
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Memo1: TMemo
Left = 18
Top = 27
Width = 192
Height = 321
BorderStyle = bsNone
Color = clBlue
Ctl3D = False
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWhite
Font.Height = -11
Font.Name = 'Default'
Font.Style = []
Lines.Strings = (
'The Computer''s on Defense.'
'You Control the Running Back.'
"
'Slide OFF switch to PRO 1'
'(PRO 2 for advanced players).'
"
'Press ST button for downs, field'
'position and yards to go.'
"
'Press ARROW buttons (or
I,K,J,L'
'keys) to maneuver running back
,
'(bright blip) through tacklers '
'(dimmer blips). Tackled?'
'Game stops.'
"
'Press ST button to check status
and'
'reset field. Try another play.'
"
'On fourth down, try a run, or
push'
'K button to punt or kick field
goal.'
"
'If the game malfunctions it may'
'mean battery wear. Use a fresh

About1: TMenuItem;
Clock: TTimer;
<-----> procedure About1Click(Sender: TObject);
<-----> procedure Exit1Click(Sender: TObject);
<-----> procedure FormKeyPress(Sender: TObject; var Key: Char);
<-----> procedure MoveUpClick(Sender: TObject);
<-----> procedure MoveDownClick(Sender: TObject);
<-----> procedure MoveForwardClick(Sender: TObject);
<-----> procedure MoveBackClick(Sender: TObject);
<-----> procedure ComputerClick(Sender: TObject);
<-----> procedure ClockTimer(Sender: TObject);
<-----> procedure TimerTimer(Sender: TObject);
<-----> procedure ScoreMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
<-----> procedure ScoreMouseDown(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
<-----> procedure KickClick(Sender: TObject);
<-----> procedure OnOffSwitchChange(Sender: TObject);
private
{ Private declarations }
field : array[0..9]of array[0..2] of spot; // the X and Y coordinates of the field
rbx, rby : integer; // the X and Y coordinates of the runningback
running : boolean;
LastSack : TLabel;
YardsToGo : integer;

TACKLEMIDDLE : integer = 75;
TACKLEBOTTOM : integer = 91;
TACKLEROW1 : integer = 104;
TACKLEROW2 : integer = 148;
TACKLEROW3 : integer = 236;
type
spot = record
player : TLabel;
rb : boolean;
end;
TMainForm = class(TForm)
Image7: TImage;
HomeDisplay: TLabel;
TimeDisplay: TLabel;
VisitorDisplay: TLabel;
Runningback: TLabel;
Tackler1: TLabel;
Tackler2: TLabel;
Tackler3: TLabel;
Tackler4: TLabel;
Tackler5: TLabel;
HomeLabel: TLabel;
TimeLabel: TLabel;
VisitorLabel: TLabel;
MoveForward: TImage;
MoveUp: TImage;
MoveDown: TImage;
Kick: TImage;
Score: TImage;
Label2: TLabel;
Label1: TLabel;
Label3: TLabel;
DownDisplay: TLabel;
FieldPosDisplay: TLabel;
YTGDisplay: TLabel;
DownLabel: TLabel;
FieldPosLabel: TLabel;
YTGLabel: TLabel;
MoveBack: TImage;
OnOffSwitch: TTrackBar;
Computer: TButton;
Timer: TTimer;
MainMenu1: TMainMenu;
File1: TMenuItem;
Exit1: TMenuItem;
Help1: TMenuItem;

'i':
MoveUpClick(Sender);
'k':
MoveDownClick(Sender);
'l':
MoveForwardClick(Sender);
'j':
MoveBackClick(Sender);
end;
end;
<-----> procedure
TMainForm.MoveUpClick(Sender:
TObject);
begin
if ((OnOffSwitch.Position = 2) or
(LastSack <> Nil)) then
exit;
if not running then
TogglePlay(true);
if (Runningback.Top = RBTOP)
then
exit; // already as up as it gets
if (field[rbx][rby-1].player <> Nil)
then
begin
Sacked(field[rbx][rby-1].player);
exit;
end;
if (Runningback.Top =
RBBOTTOM) then
Runningback.Top := RBMIDDLE
else if (Runningback.Top =
RBMIDDLE) then
Runningback.Top := RBTOP;
field[rbx][rby].player := Nil;
field[rbx][rby].rb := false;
dec(rby);
field[rbx][rby].player :=
Runningback;
field[rbx][rby].rb := true;
end;

Down : integer;
FieldPosition : integer;
Home : integer;
Visitor : integer;
Quarter : integer;
TimeLeft : double;
<-----> procedure
ShowField(visible : boolean);
<-----> procedure ResetField;
<-----> procedure Sacked(Player
: TLabel);
<-----> procedure
ShowDisplay(visible : boolean);
<-----> procedure TogglePlay(
toggle : boolean);
<-----> procedure ResetGame;
public
{ Public declarations }
end;
var
MainForm: TMainForm;
implementation
uses about;
{ \$R *.dfm }
<-----> procedure
TMainForm.About1Click(Sender:
TObject);
begin
AboutForm.ShowModal;
end;
<-----> procedure
TMainForm.Exit1Click(Sender:
TObject);
begin
Application.Terminate;
end;
<-----> procedure
TMainForm.FormKeyPress(Sender:
TObject; var Key: Char);
begin
case Key of

TogglePlay(true);
if (Runningback.Left < TACKLEROW3 - 2) then
begin
if (field[rbx+1][rby].player <> Nil) then
begin
Sacked(field[rbx+1][rby].player);
exit;
end;
field[rbx][rby].player := Nil;
field[rbx][rby].rb := false;
Runningback.Left := Runningback.Left + 22;
inc(rbx);
end
else
begin
if (field[0][rby].player <> Nil) then
begin
Sacked(field[0][rby].player);
exit;
end;
field[rbx][rby].player := Nil;
field[rbx][rby].rb := false;
Runningback.Left := RBLEFT;
rbx := 0;
end;
dec(YardsToGo);
inc(FieldPosition);
if (FieldPosition = 100) then
begin
sndPlaySound('td.wav', SND_SYNC);
running := false;
ShowField(false);
inc(Home, 7);
HomeDisplay.Caption := intostr(Home);
FieldPosition:=80; // Starting position for visitor
Down := 1;
YardsToGo := 10;
Computer.Visible := true;
exit;
end;

<-----> procedure
TMainForm.MoveDownClick(Sender: TObject);
begin
if ((OnOffSwitch.Position = 2) or (LastSack <> Nil)) then
exit;
if not running then
TogglePlay(true);
if (Runningback.Top = RBBOTTOM) then
exit; // already as down as it gets
if (field[rbx][rby+1].player <> Nil) then
begin
Sacked(field[rbx][rby+1].player);
exit;
end;
if (Runningback.Top = RBTOP) then
Runningback.Top := RBMIDDLE
else if (Runningback.Top = RBMIDDLE) then
Runningback.Top := RBBOTTOM;
field[rbx][rby].player := Nil;
field[rbx][rby].rb := false;
inc(rby);
field[rbx][rby].player := Runningback;
field[rbx][rby].rb := true;
end;
<-----> procedure
TMainForm.MoveForwardClick(Sender: TObject);
begin
if ((OnOffSwitch.Position = 2) or (LastSack <> Nil)) then
exit;
if not running then

Inc(YardsToGo);
Dec(FieldPosition);
field[rbx][rby].player := Runningback;
field[rbx][rby].rb := true;
end;
end;
<-----> procedure TMainForm.ResetField;
var
x, y :integer;
begin
TogglePlay(false);
LastSack := Nil;
// empty the field
for y := 0 to 2 do
for x := 0 to 9 do
begin
field[x][y].player := Nil;
field[x][y].rb := false;
end;
// initial locations of players
field[0][1].player := Runningback;
field[0][1].rb := true;
rbx := 0;
rby := 1;
field[3][0].player := Tackler1;
field[3][1].player := Tackler2;
field[3][2].player := Tackler3;
field[5][1].player := Tackler4;
field[9][1].player := Tackler5;
Runningback.Left := RBLEFT;
Runningback.Top := RBMIDDLE;
Tackler1.Left := TACKLEROW1;
Tackler1.Top := TACKLETOP;
Tackler2.Left := TACKLEROW1;
Tackler2.Top := TACKLEMIDDLE;
Tackler3.Left := TACKLEROW1;
Tackler3.Top := TACKLEBOTTOM;
Tackler4.Left := TACKLEROW2;
Tackler4.Top :=

field[rbx][rby].player := Runningback;
field[rbx][rby].rb := true;
end;
<-----> procedure TMainForm.MoveBackClick(Sender : TObject);
begin
if ((OnOffSwitch.Position = 2) or (LastSack <> Nil)) then
exit;
if not running then
TogglePlay(true);
if(FieldPosition > 0) then
begin
if (Runningback.Left > RBLEFT + 2) then
begin
if (field[rbx-1][rby].player <> Nil) then
begin
Sacked(field[rbx- 1][rby].player);
exit;
end;
field[rbx][rby].player := Nil;
field[rbx][rby].rb := false;
Runningback.Left := Runningback.Left - 22;
dec(rbx);
end
else
begin
if (field[9][rby].player <> Nil) then
begin
Sacked(field[9][rby].player);
exit;
end;
field[rbx][rby].player := Nil;
field[rbx][rby].rb := false;
Runningback.Left := TACKLEROW3;
rbx := 9;
end;

<-----> procedure TMainForm.ShowField(visible: boolean);
begin
Runningback.Visible := visible;
Tackler1.Visible := visible;
Tackler2.Visible := visible;
Tackler3.Visible := visible;
Tackler4.Visible := visible;
Tackler5.Visible := visible;
end;
<-----> procedure TMainForm.TogglePlay(toggle: boolean);
begin
running := toggle;
Timer.Enabled := toggle;
Clock.Enabled := toggle;
end;
<-----> procedure TMainForm.ComputerClick(Sender : TObject);
begin
ShowField(false);
Dec(FieldPosition, random(100));
if (FieldPosition <= 0) then
begin
sndPlaySound('td.wav', SND_ASYNC);
inc(Visitor, 7);
VisitorDisplay.Caption := IntToStr(Visitor);
FieldPosition := 20;
end
else
begin
sndPlaySound('whistle.wav', SND_SYNC);
sndPlaySound('whistle.wav', SND_SYNC);
end;
Computer.Visible := false;
LastSack := Runningback; // hack to keep movement keys disabled
end;
<-----> procedure

TACKLEMIDDLE;
Tackler5.Left := TACKLEROW3;
Tackler5.Top := TACKLEMIDDLE;
ShowField(true);
end;
<-----> procedure TMainForm.Sacked(Player: TLabel);
begin
sndPlaySound('whistle.wav', SND_SYNC);
running := false;
LastSack := player;
if (YardsToGo <=0) then
begin
Down := 1;
YardsToGo := 10;
end
else
begin
inc(Down);
if (Down > 4) then
begin
sndPlaySound('whistle.wav', SND_SYNC);
Down := 1; // First down for visitor
YardsToGo := 10;
Computer.Visible := true;
end;
end;
end;
<-----> procedure TMainForm.ShowDisplay(visible: boolean);
begin
DownLabel.Visible := visible;
FieldPosLabel.Visible := visible;
YTGLabel.Visible := visible;
DownDisplay.Visible := visible;
FieldPosDisplay.Visible := visible;
YTGDisplay.Visible := visible;
end;

```

if (LastSack <> Nil) then
  LastSack.Visible := not
  LastSack.Visible;
  exit;
end;

if (field[x][y].rb) then
  exit; // can't move the
  runningback!

if (field[x][y].player = Nil) then
  exit; // no tackler at this spot

if (field[x][y].player.Left <=
  RBLEFT) then
  exit; // already at the endzone

if (direction = 0) then// we're
  moving horizontal
  begin
    if (x < rbx) then
      newx := x + 1
    else if (x > rbx) then
      newx := x - 1
    else
      exit;
  // we're already horizontally lined
  up with rb
  end
  else if (direction = 1) then// we're
  moving vertical
  begin
    if (y < rby) then
      newy := y + 1
    else if (y > rby) then
      newy := y - 1
    else
      exit;
  // we're already vertically lined
  up with rb
  end;

if field[newx][newy].rb then// got
  him!
  begin
    Sacked(field[x][y].player);
    exit;
  end;

```

```

TMainForm.ClockTimer(Sender:
  TObject);
begin
  if not running then
    exit;

  sndPlaySound('tick.wav',
  SND_ASYNC);
  TimeLeft := TimeLeft - 0.1;
  TimeDisplay.Caption :=
  FloatToStrF(TimeLeft, ffGeneral, 4,
  4);

  if (TimeLeft <= 0) then
    begin
      inc(Quarter);
      TimeLeft := 15;
    end;
  if (Quarter >= 5) then
    begin
      // game over
      sndPlaySound('whistle.wav',
      SND_SYNC);
      sndPlaySound('whistle.wav',
      SND_SYNC);
      LastSack := Runningback; // hack
      to keep movement keys disabled
      TogglePlay(false);
      ShowField(false);
      ShowDisplay(true);
    end;
  end;

<-----> procedure
  TMainForm.TimerTimer(Sender:
  TObject);
  var
    x, y, newx, newy, direction :
    integer;
  begin
    newy := random(3);
    y := newy;
    newx := random(10);
    x := newx;
    direction := random(2); // 0 is for x,
    1 is for y

    if not running then
      begin

```


IntToStr(FieldPosition) + ' <';
end
else
begin
FieldPosDisplay.Caption := '>' + IntToStr(100 - FieldPosition);
end;
DownDisplay.Caption := IntToStr(Down);
ShowField(false);
ShowDisplay(true);
end;
<-----> procedure TMainForm.KickClick(Sender: TObject);
begin
if ((running) or (Down < 4)) then
exit; // button only valid just before fourth down
ShowField(false);
inc(FieldPosition,random(100));
if (FieldPosition >= 100) then
begin
sndPlaySound('td.wav', SND_SYNC);
inc(Home, 3);
HomeDisplay.Caption := IntToStr(Home);
FieldPosition := 80; // Starting position for visitor
end
else
begin
sndPlaySound('whistle.wav', SND_SYNC);
sndPlaySound('whistle.wav', SND_SYNC);
end;
Down := 1; // first down for visitor
YardsToGo := 10;
Computer.Visible := true;
LastSack := Runningback; // hack to keep movement keys disabled
end;

if (field[newx][newy].player = Nil) then// not blocked
begin
field[x][y].player.Left := field[x][y].player.Left - (22 * (x - newx));
field[x][y].player.Top := field[x][y].player.Top - (16 * (y - newy));
field[newx][newy].player := field[x][y].player;
field[x][y].player := Nil;
end;
end;
<-----> procedure TMainForm.ScoreMouseUp(Sender: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
if ((OnOffSwitch.Position = 2) or (running)) then
exit;
ShowDisplay(false);
if not(Computer.Visible) then
ResetField;
end;
<-----> procedure TMainForm.ScoreMouseDown(Send er: TObject; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
if ((OnOffSwitch.Position = 2) or (running)) then
exit;
if (Quarter = 5) then
exit;
YTGDisplay.Caption := IntToStr(YardsToGo);
if (FieldPosition <= 50) then
begin
FieldPosDisplay.Caption :=

randomize;
ResetField;
end;
end.
////////////////////////////////
unit about;
interface
uses
Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
StdCtrls;
type
TAboutForm = class(TForm)
Label1: TLabel;
Memo1: TMemo;
Button1: TButton;
private
{ Private declarations }
public
{ Public declarations }
end;
var
AboutForm: TAboutForm;
implementation
{SR *.dfm}
end.
////////////////////////////////

<-----> procedure
TMainForm.OnOffSwitchChange(S
ender: TObject);
begin
case OnOffSwitch.Position of
1:
begin
Timer.Interval := 250;
HomeDisplay.Visible := true;
VisitorDisplay.Visible := true;
TimeDisplay.Visible := true;
ResetGame;
end;
2:
begin
ShowField(false);
HomeDisplay.Visible := false;
VisitorDisplay.Visible := false;
TimeDisplay.Visible := false;
end;
3:
begin
Timer.Interval := 100;
HomeDisplay.Visible := true;
VisitorDisplay.Visible := true;
TimeDisplay.Visible := true;
ResetGame;
end;
end;
end;
<-----> procedure
TMainForm.ResetGame;
begin
YardsToGo := 10;
Down := 1;
FieldPosition := 20;
Home := 0;
Visitor := 0;
Quarter := 1;
TimeLeft := 15;
TimeDisplay.Caption :=
FloatToStrF(TimeLeft, ffGeneral, 4,
4);
HomeDisplay.Caption :=
IntToStr(Home);
VisitorDisplay.Caption :=
intToStr(Visitor);

القسم السابع
مجموعة من البرامج المتقدمة
والشاملة
في دلفي
(متقدمين)

ObjectS
الملف التنفيذي لبرنامج
(AlphaBlendDemo)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
AlphaBlendDemo
49
program AlphaBlendDemo;

TRichEditUnderline;	uses
RichEditStrikeOut1:	Forms,
TRichEditStrikeOut;	Main in 'Main.pas' {Form1};
RichEditBullets1:	
TRichEditBullets;	{SR *.res}
RichEditAlignLeft1:	
TRichEditAlignLeft;	begin
RichEditAlignRight1:	Application.Initialize;
TRichEditAlignRight;	Application.CreateForm(TForm1,
RichEditAlignCenter1:	Form1);
TRichEditAlignCenter;	Application.Run;
FileExit1: TFileExit;	end.
SearchFind1: TSearchFind;	
SearchFindNext1:	
TSearchFindNext;	////////////////////////////////////
SearchReplace1: TSearchReplace;	
SearchFindFirst1:	unit Main;
TSearchFindFirst;	
ActionToolBar1:	interface
TActionToolBar;	
procedure FormCreate(Sender:	uses
TObject);	Windows, Messages, SysUtils,
private	Variants, Classes, Graphics,
{ Private declarations }	Controls, Forms,
procedure PopupClass(Sender:	Dialogs, StdActns, ExtActns,
TObject; var PopupClass:	ActnList, ToolWin, ActnMan,
TCustomPopupClass);	ActnCtrls,
public	ActnMenus, StdCtrls, ComCtrls,
{ Public declarations }	ImgList, StdActnMenus,
end;	XPStyleActnCtrls, XPActnCtrls;
{ TCustomLayeredActionPopupEx }	type
	TForm1 = class(TForm)
TCustomLayeredActionPopupEx =	ActionManager1:
class(TXPStylePopupMenu)	TActionManager;
private	ActionMainMenuBar1:
FAlphaBlend: Boolean;	TActionMainMenuBar;
FAlphaBlendValue: Byte;	RichEdit1: TRichEdit;
FTransparentColor: Boolean;	ImageList1: TImageList;
FTransparentColorValue:	EditCut1: TEditCut;
TColor;	EditCopy1: TEditCopy;
procedure SetAlphaBlend(const	EditPaste1: TEditPaste;
Value: Boolean);	EditSelectAll1: TEditSelectAll;
procedure	EditUndo1: TEditUndo;
SetAlphaBlendValue(const Value:	EditDelete1: TEditDelete;
Byte);	RichEditBold1: TRichEditBold;
procedure	RichEditItalic1: TRichEditItalic;
SetTransparentColor(const Value:	RichEditUnderline1:
Boolean);	

procedure TCustomLayeredActionPopupEx.SetAlphaBlendValue(const Value: Byte);
begin
if FAlphaBlendValue <> Value then
begin
FAlphaBlendValue := Value;
SetLayeredAttribs;
end;
end;
procedure TCustomLayeredActionPopupEx.SetLayeredAttribs;
const
cUseAlpha: array [Boolean] of Integer = (0, LWA_ALPHA);
cUseColorKey: array [Boolean] of Integer = (0, LWA_COLORKEY);
var
AStyle: Integer;
begin
if not (csDesigning in ComponentState) and
(Assigned(SetLayeredWindowAttributes)) and HandleAllocated then
begin
AStyle := GetWindowLong(Handle, GWL_EXSTYLE);
if FAlphaBlend then
begin
if (AStyle and WS_EX_LAYERED) = 0 then
SetWindowLong(Handle, GWL_EXSTYLE, AStyle or WS_EX_LAYERED);
SetLayeredWindowAttributes(Handle, FTransparentColorValue, FAlphaBlendValue, cUseAlpha[FAlphaBlend] or cUseColorKey[FTransparentColor]);
end;
end

procedure SetTransparentColorValue(const Value: TColor);
protected
procedure CreateParams(var Params: TCreateParams); override;
procedure CreateWindowHandle(const Params: TCreateParams); override;
procedure InitAlphaBlending(var Params: TCreateParams);
procedure SetLayeredAttribs;
property AlphaBlend: Boolean read FAlphaBlend write SetAlphaBlend;
property AlphaBlendValue: Byte read FAlphaBlendValue write SetAlphaBlendValue;
property TransparentColor: Boolean read FTransparentColor write SetTransparentColor;
property TransparentColorValue: TColor read FTransparentColorValue write SetTransparentColorValue;
public
constructor Create(AOwner: TComponent); override;
end;
var Form1: TForm1;
implementation
{ \$R *.dfm }
{ TCustomLayeredActionPopup }
procedure TCustomLayeredActionPopupEx.SetAlphaBlend(const Value: Boolean);
begin
if FAlphaBlend <> Value then
begin
FAlphaBlend := Value;
SetLayeredAttribs;
end;
end;

utes)) then
if FAlphaBlend or FTransparentColor then
Params.ExStyle := Params.ExStyle or WS_EX_LAYERED;
end;
procedure TCustomLayeredActionPopupEx.Cr eateWindowHandle(const Params: TCreateParams);
begin
inherited;
SetLayeredAttribs;
end;
constructor TCustomLayeredActionPopupEx.Cr eate(AOwner: TComponent);
begin
inherited;
FAlphaBlend := True;
FAlphaBlendValue := 125;
FTransparentColorValue := clWhite;
end;
procedure TCustomLayeredActionPopupEx.Cr eateParams(var Params: TCreateParams);
begin
inherited;
InitAlphaBlending(Params);
end;
procedure TForm1.FormCreate(Sender: TObject);
begin
ActionMainMenuBar1.OnGetPopup Class := PopupClass;
end;
procedure TForm1.PopupClass(Sender: TObject);

else
begin
SetWindowLong(Handle, GWL_EXSTYLE, AStyle and not WS_EX_LAYERED);
RedrawWindow(Handle, nil, 0, RDW_ERASE or RDW_INVALIDATE or RDW_FRAME or RDW_ALLCHILDREN);
end;
end;
end;
procedure TCustomLayeredActionPopupEx.Se tTransparentColorValue(const Value: TColor);
begin
if FTransparentColorValue <> Value then
begin
FTransparentColorValue := Value;
SetLayeredAttribs;
end;
end;
procedure TCustomLayeredActionPopupEx.Se tTransparentColor(const Value: Boolean);
begin
if FTransparentColor <> Value then
begin
FTransparentColor := Value;
SetLayeredAttribs;
end;
end;
procedure TCustomLayeredActionPopupEx.Ini tAlphaBlending(var Params: TCreateParams);
begin
if not (csDesigning in ComponentState) and (assigned(SetLayeredWindowAttrib

end.
////////////////////////////////

ColorMap.HighlightColor = 15660791
ColorMap.BtnSelectedColor = clBtnFace
ColorMap.UnusedColor = 15660791
EdgeBorders = [ebTop, ebBottom]
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'Tahoma'
Font.Style = []
Spacing = 3
end
object RichEdit1: TRichEdit
Left = 0
Top = 53
Width = 413
Height = 234
Align = alClient
Lines.Strings = ('RichEdit1')
TabOrder = 1
end
object ActionToolBar1: TActionToolBar
Left = 0
Top = 27
Width = 413
Height = 26
ActionManager = ActionManager1
Caption = 'ActionToolBar1'
ColorMap.HighlightColor = 15660791
ColorMap.BtnSelectedColor = clBtnFace
ColorMap.UnusedColor = 15660791
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText

var PopupClass: TCustomPopupClass);
begin
PopupClass := TCustomLayeredActionPopupEx;
end;

Objects
الملف النصي لبرنامج
(AlphaBlendDemo)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١

AlphaBlendDemo
object Form1: TForm1
Left = 241
Top = 161
Width = 421
Height = 321
Caption = 'ActionBand AlphaBlended Menus Demo'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
object ActionMainMenuBar1: TActionMainMenuBar
Left = 0
Top = 0
Width = 413
Height = 27
UseSystemFont = False
ActionManager = ActionManager1
AnimationStyle = asNone
Caption = 'ActionMainMenuBar1'

ShortCut = 46
end>
Caption = '&Edit'
end
item
Items = <
item
Action = SearchFind1
ImageIndex = 14
ShortCut = 16454
end
item
Action = SearchFindNext1
ImageIndex = 15
ShortCut = 114
end
item
Action = SearchReplace1
ImageIndex = 16
end
item
Action = SearchFindFirst1
end>
Caption = '&Search'
end
item
Items = <
item
Action = RichEditBold1
ImageIndex = 5
ShortCut = 16450
end
item
Action = RichEditItalic1
ImageIndex = 6
ShortCut = 16457
end
item
Action =
RichEditUnderline1
ImageIndex = 7
ShortCut = 16469
end
item
Action =
RichEditStrikeOut1
ImageIndex = 8
end

Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Spacing = 0
end
object ActionManager1:
TActionManager
ActionBars = <
item
Items = <
item
Items = <
item
Action = FileExit1
ImageIndex = 13
end>
Caption = '&File'
end
item
Items = <
item
Action = EditCut1
ImageIndex = 0
ShortCut = 16472
end
item
Action = EditCopy1
ImageIndex = 1
ShortCut = 16451
end
item
Action = EditPaste1
ImageIndex = 2
ShortCut = 16470
end
item
Action = EditSelectAll1
ShortCut = 16449
end
item
Action = EditUndo1
ImageIndex = 3
ShortCut = 16474
end
item
Action = EditDelete1
ImageIndex = 4

item
Action = RichEditBold1
Caption = 'B&old'
ImageIndex = 5
ShortCut = 16450
end>
ActionBar = ActionToolBar1
end>
Images = ImageList1
Left = 135
Top = 164
StyleName = 'XP Style'
object EditCut1: TEditCut
Category = 'Edit'
Caption = 'Cu&t'
Hint = 'Cut|Cuts the selection and puts it on the Clipboard'
ImageIndex = 0
ShortCut = 16472
end
object EditCopy1: TEditCopy
Category = 'Edit'
Caption = '&Copy'
Hint = 'Copy|Copies the selection and puts it on the Clipboard'
ImageIndex = 1
ShortCut = 16451
end
object EditPaste1: TEditPaste
Category = 'Edit'
Caption = '&Paste'
Hint = 'Paste|Inserts Clipboard contents'
ImageIndex = 2
ShortCut = 16470
end
object EditSelectAll1: TEditSelectAll
Category = 'Edit'
Caption = 'Select &All'
Hint = 'Select All|Selects the entire document'
ShortCut = 16449
end
object EditUndo1: TEditUndo
Category = 'Edit'
Caption = '&Undo'
Hint = 'Undo|Reverts the last

item
Action = RichEditBullets1
Caption = 'Bu&llets'
ImageIndex = 9
end
item
Action = RichEditAlignLeft1
Caption = '&Align Left'
ImageIndex = 10
end
item
Action = RichEditAlignRight1
ImageIndex = 11
end
item
Action = RichEditAlignCenter1
ImageIndex = 12
end>
Caption = 'F&ormat'
end>
ActionBar = ActionMainMenuBar1
end
item
Items = <
item
Action = RichEditAlignCenter1
ImageIndex = 12
end
item
Action = RichEditAlignRight1
ImageIndex = 11
end
item
Action = RichEditUnderline1
ImageIndex = 7
ShortCut = 16469
end
item
Action = RichEditItalic1
ImageIndex = 6
ShortCut = 16457
end

TRichEditBullets
Category = 'Format'
AutoCheck = True
Caption = '&Bullets'
Hint = 'Bullets|Inserts a bullet on the current line'
ImageIndex = 9
end
object RichEditAlignLeft1: TRichEditAlignLeft
Category = 'Format'
AutoCheck = True
Caption = 'Align &Left'
Hint = 'Align Left|Aligns text at the left indent'
ImageIndex = 10
end
object RichEditAlignRight1: TRichEditAlignRight
Category = 'Format'
AutoCheck = True
Caption = 'Align &Right'
Hint = 'Align Right|Aligns text at the right indent'
ImageIndex = 11
end
object RichEditAlignCenter1: TRichEditAlignCenter
Category = 'Format'
AutoCheck = True
Caption = '&Center'
Hint = 'Center|Centers text between margins'
ImageIndex = 12
end
object FileExit1: TFileExit
Category = 'File'
Caption = 'E&xit'
Hint = 'Exit|Quits the application'
ImageIndex = 13
end
object SearchFind1: TSearchFind
Category = 'Search'
Caption = '&Find...'
Hint = 'Find|Finds the specified text'
ImageIndex = 14

action'
ImageIndex = 3
ShortCut = 16474
end
object EditDelete1: TEditDelete
Category = 'Edit'
Caption = '&Delete'
Hint = 'Delete|Erases the selection'
ImageIndex = 4
ShortCut = 46
end
object RichEditBold1: TRichEditBold
Category = 'Format'
AutoCheck = True
Caption = '&Bold'
Hint = 'Bold'
ImageIndex = 5
ShortCut = 16450
end
object RichEditItalic1: TRichEditItalic
Category = 'Format'
AutoCheck = True
Caption = '&Italic'
Hint = 'Italic'
ImageIndex = 6
ShortCut = 16457
end
object RichEditUnderline1: TRichEditUnderline
Category = 'Format'
AutoCheck = True
Caption = '&Underline'
Hint = 'Underline'
ImageIndex = 7
ShortCut = 16469
end
object RichEditStrikeOut1: TRichEditStrikeOut
Category = 'Format'
AutoCheck = True
Caption = '&Strikeout'
Hint = 'Strikeout'
ImageIndex = 8
end
object RichEditBullets1:

uses
Forms,
main in 'main.pas' {Form1};
{SR *.res}
begin
Application.Initialize;
Application.CreateForm(TForm1, Form1);
Application.Run;
end.
////////////////////////////////////
unit main;
interface
uses
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, ActnMan, ActnList, ToolWin, ActnCtrls, ActnMenus, StdCtrls,
StdActns, ExtCtrls, ComCtrls, XPStyleActnCtrls;
type
TForm1 = class(TForm)
ActionManager1: TActionManager;
Action1: TAction;
Action2: TAction;
ActionMainMenuBar1: TActionMainMenuBar;
EditCut1: TEditCut;
EditCopy1: TEditCopy;
EditPaste1: TEditPaste;
EditSelectAll1: TEditSelectAll;
EditUndo1: TEditUndo;
Memo1: TMemo;
Panel1: TPanel;
Button4: TButton;
Button1: TButton;
Button3: TButton;
Button2: TButton;
AddCategoryAction: TAction;

ShortCut = 16454
end
object SearchFindNext1: TSearchFindNext
Category = 'Search'
Caption = 'Find &Next'
Hint = 'Find Next|Repeats the last find'
ImageIndex = 15
ShortCut = 114
end
object SearchReplace1: TSearchReplace
Category = 'Search'
Caption = '&Replace'
Hint = 'Replace|Replaces specific text with different text'
ImageIndex = 16
end
object SearchFindFirst1: TSearchFindFirst
Category = 'Search'
Caption = 'F&ind First'
Hint = 'Find First|Finds the first occurrence of specified text'
end
end
object ImageList1: TImageList
Left = 114
Top = 76
Bitmap = {
}
end
end

Objects
الملف التنفيذي لبرنامج
(DynaActionBands)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
DynaActionBands
program DynaActionBands;

Item :=
ActionManager1.FindItemByAction(
Action1);
if Assigned(Item) then
ActionManager1.AddSeparator(
Item);
end;
procedure
TForm1.AddCategoryActionExecute
(Sender: TObject);
var
Item: TActionClientItem;
begin
Item :=
ActionManager1.FindItemByCaption('&test');
if Assigned(Item) then
ActionManager1.AddCategory('Edit
', Item);
end;
procedure
TForm1.AddActionActionExecute(S
ender: TObject);
var
Item: TActionClientItem;
begin
Item :=
ActionManager1.FindItemByCaption('&Action1');
if Assigned(Item) then
ActionManager1.AddAction(EditCu
t1, Item);
end;
procedure
TForm1.DisableBtnClick(Sender:
TObject);
var
Item: TActionClientItem;
begin
Item :=
ActionManager1.FindItemByCaption('&test');
if Assigned(Item) then

AddActionAction: TAction;
AddSeparatorAction: TAction;
DeleteItemsAction: TAction;
StatusBar1: TStatusBar;
DisableBtn: TButton;
ActionList1: TActionList;
EditDelete2: TEditDelete;
procedure
DeleteItemsActionExecute(Sender:
TObject);
procedure
AddSeparatorActionExecute(Sender
: TObject);
procedure
AddCategoryActionExecute(Sender:
TObject);
procedure
AddActionActionExecute(Sender:
TObject);
procedure
DisableBtnClick(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
Form1: TForm1;
implementation
{ \$R *.dfm }
procedure
TForm1.DeleteItemsActionExecute(
Sender: TObject);
begin
ActionManager1.DeleteActionItems(
[Action1]);
end;
procedure
TForm1.AddSeparatorActionExecut
e(Sender: TObject);
var
Item: TActionClientItem;
begin

```
end.
```

```
15660791
Font.Charset = ANSI_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'Tahoma'
Font.Style = []
Spacing = 3
end
object Memo1: TMemo
Left = 0
Top = 60
Width = 490
Height = 225
Align = alClient
TabOrder = 1
end
object Panel1: TPanel
Left = 0
Top = 24
Width = 490
Height = 36
Align = alTop
BevelOuter = bvNone
TabOrder = 2
object Button4: TButton
Left = 260
Top = 6
Width = 102
Height = 25
Action = DeleteItemsAction
TabOrder = 3
end
object Button1: TButton
Left = 171
Top = 6
Width = 82
Height = 25
Action = AddSeparatorAction
TabOrder = 2
end
object Button3: TButton
Left = 8
Top = 6
Width = 75
Height = 25
```

```
Item.Control.Enabled := not
Item.Control.Enabled;
end;
```

```
Objects
الملف النصي لبرنامج
(DynaActionBands)
إعداد
علاء الدين اللباد
هاتف: ٠٩٤٤٥٧٥٣٧١
DynaActionBands
object Form1: TForm1
Left = -63
Top = 117
Width = 498
Height = 338
Caption = 'ActionManager Helper
Demo'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
ShowHint = True
PixelsPerInch = 96
TextHeight = 13
object ActionMainMenuBar1:
TActionMainMenuBar
Left = 0
Top = 0
Width = 490
Height = 24
UseSystemFont = False
ActionManager =
ActionManager1
Caption = 'ActionMainMenuBar1'
ColorMap.HighlightColor =
15660791
ColorMap.BtnSelectedColor =
clBtnFace
ColorMap.UnusedColor =
```

end>
LinkedActionLists = <
item
ActionList = ActionList1
Caption = 'ActionList1'
end>
Left = 61
Top = 73
StyleName = 'XP Style'
object Action1: TAction
Category = 'test'
Caption = 'Action1'
Enabled = False
end
object Action2: TAction
Category = 'Test'
Caption = 'Action2'
Enabled = False
end
object EditCut1: TEditCut
Category = 'Edit'
Caption = 'Cu&t'
Enabled = False
Hint = 'Cut|Cuts the selection and puts it on the Clipboard'
ImageIndex = 0
ShortCut = 16472
end
object EditCopy1: TEditCopy
Category = 'Edit'
Caption = '&Copy'
Enabled = False
Hint = 'Copy|Copies the selection and puts it on the Clipboard'
ImageIndex = 1
ShortCut = 16451
end
object EditPaste1: TEditPaste
Category = 'Edit'
Caption = '&Paste'
Enabled = False
Hint = 'Paste|Inserts Clipboard contents'
ImageIndex = 2
ShortCut = 16470
end
object EditSelectAll1: TEditSelectAll

Action = AddCategoryAction
TabOrder = 0
end
object Button2: TButton
Left = 89
Top = 6
Width = 75
Height = 25
Action = AddActionAction
TabOrder = 1
end
object DisableBtn: TButton
Left = 372
Top = 6
Width = 112
Height = 25
Caption = 'Disable Menu Button'
TabOrder = 4
OnClick = DisableBtnClick
end
end
object StatusBar1: TStatusBar
Left = 0
Top = 285
Width = 490
Height = 19
AutoHint = True
Panels = <>
end
object ActionManager1: TActionManager
ActionBars = <
item
Items = <
item
Items = <
item
Action = Action1
Caption = '&Action1'
end
item
Action = Action2
Caption = 'A&ction2'
end>
Caption = '&test'
end>
ActionBar = ActionMainMenuBar1

object DeleteItemsAction: TAction
Category = 'Buttons'
Caption = 'Delete Action Items'
Hint = 'Deletes all items attached to Action1'
OnExecute = DeleteItemsActionExecute
end
end
object ActionList1: TActionList
Left = 194
Top = 74
object EditDelete2: TEditDelete
Category = 'Edit'
Caption = '&Delete'
Hint = 'Delete|Erases the selection'
ImageIndex = 5
ShortCut = 46
end
end
end

Category = 'Edit'
Caption = 'Select &All'
Enabled = False
Hint = 'Select All|Selects the entire document'
ShortCut = 16449
end
object EditUndo1: TEditUndo
Category = 'Edit'
Caption = '&Undo'
Enabled = False
Hint = 'Undo|Reverts the last action'
ImageIndex = 3
ShortCut = 16474
end
object AddCategoryAction: TAction
Category = 'Buttons'
Caption = 'Add Category'
Hint =
'Adds the "Edit" Category to the menu after the item with the cap'
+
'tion "&Test"'
OnExecute = AddCategoryActionExecute
end
object AddActionAction: TAction
Category = 'Buttons'
Caption = 'Add Action'
Hint =
'Adds the EditCut action after the item with the caption "&Action'
+
'1"'
OnExecute = AddActionActionExecute
end
object AddSeparatorAction: TAction
Category = 'Buttons'
Caption = 'Add Separator'
Hint = 'Adds a separator after the item that is connected to Action1'
OnExecute = AddSeparatorActionExecute
end

ObjectS
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(MRU)
إعداد
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هاتف ٠٩٤٤٥٧٥٣٧١
MRU

Controls, Forms,
Dialogs, ActnList, StdActns,
ToolWin, ActnMan, ActnCtrls,
ActnMenus,
StdCtrls, ImgList, ComCtrls,
ExtActns, XPStyleActnCtrls,
BandActn,
StdStyleActnCtrls;
type
TForm1 = class(TForm)
ActionManager1:
TActionManager;
ActionMainMenuBar1:
TActionMainMenuBar;
Action1: TAction;
Action2: TAction;
Action3: TAction;
ReopenActionList1: TActionList;
Action4: TAction;
Action5: TAction;
Action6: TAction;
Action7: TAction;
Action8: TAction;
ActionToolBar1:
TActionToolBar;
ImageList1: TImageList;
FileOpen1: TFileOpen;
EditCut1: TEditCut;
EditCopy1: TEditCopy;
EditPaste1: TEditPaste;
EditSelectAll1: TEditSelectAll;
EditUndo1: TEditUndo;
EditDelete1: TEditDelete;
RichEditBold1: TRichEditBold;
RichEditItalic1: TRichEditItalic;
RichEditUnderline1:
TRichEditUnderline;
RichEditStrikeOut1:
TRichEditStrikeOut;
RichEditBullets1:
TRichEditBullets;
RichEditAlignLeft1:
TRichEditAlignLeft;
RichEditAlignRight1:
TRichEditAlignRight;
RichEditAlignCenter1:
TRichEditAlignCenter;
SearchFind1: TSearchFind;

program ABMRU;
uses
Forms,
main in 'main.pas' {Form1};
{SR *.res}
begin
Application.Initialize;
Application.CreateForm(TForm1,
Form1);
Application.Run;
end.
{
NOTE: To add more items to the
reopen menu simply add more
actions to the
ReopenActionList and set their
OnExecute event to the
ReopenActionExecute
event.
Also, in order for the settings
file to be saved you must run and
close this application at least
one time. So, to see the reopen
items working run the
application and shut it down first
then use
it normally.
ISSUE: If you allow
customizations in your application
there is potential
for the user to delete the
Reopen menu item or the Open
toolbar button
which this application does
NOT take into account.
}
unit main;
interface
uses
Windows, Messages, SysUtils,
Variants, Classes, Graphics,

begin
// Find the Reopen item by looking at the item caption
if AClient is TActionClientItem then
if Pos('Reopen...', TActionClientItem(AClient).Caption) <> 0 then
ReopenMenuItem := AClient as TActionClientItem
end;
procedure TForm1.FindOpenToolItem(AClient: TActionClient);
begin
// Find the Open item by looking at the item caption
if AClient is TActionClientItem then
if Pos('Open', TActionClientItem(AClient).Caption) <> 0 then
OpenToolItem := AClient as TActionClientItem;
end;
procedure TForm1.FormCreate(Sender: TObject);
procedure SetupItemCaptions(AnItem: TActionClientItem);
var
I: Integer;
begin
if Assigned(AnItem) then
for I := 0 to AnItem.Items.Count - 1 do
TCustomAction(ReopenActionList1.Actions[I]).Caption :=
Copy(AnItem.Items[I].Caption, 5, MaxInt);
end;
begin

SearchFindNext1:
TSearchFindNext;
SearchReplace1: TSearchReplace;
SearchFindFirst1:
TSearchFindFirst;
FileSaveAs1: TFileSaveAs;
FilePrintSetup1: TFilePrintSetup;
FileRun1: TFileRun;
FileExit1: TFileExit;
Action9: TAction;
RichEdit1: TRichEdit;
CustomizeActionBars1:
TCustomizeActionBars;
procedure FormCreate(Sender: TObject);
procedure FileOpen1Accept(Sender: TObject);
procedure ReopenActionExecute(Sender: TObject);
private
{ Private declarations }
ReopenMenuItem: TActionClientItem;
OpenToolItem: TActionClientItem;
procedure FindReopenMenuItem(AClient: TActionClient);
procedure FindOpenToolItem(AClient: TActionClient);
procedure UpdateReopenItem(ReopenItem: TActionClientItem);
public
{ Public declarations }
end;
var
Form1: TForm1;
implementation
{\$R *.dfm}
procedure TForm1.FindReopenMenuItem(AClient: TActionClient);

UpdateReopenItem(ReopenMenuItem);
UpdateReopenItem(OpenToolItem);
end;
// ...then actually open the file
RichEdit1.Lines.LoadFromFile(FileOpen1.Dialog.FileName);
end;
procedure TForm1.UpdateReopenItem(ReopenItem: TActionClientItem);
var
I: Integer;
begin
if ReopenItem = nil then exit;
// Add the new filename to the beginning of the list and move other items down
for I := ReopenActionList1.ActionCount - 1 downto 0 do
if I = 0 then
TCustomAction(ReopenActionList1.Actions[I]).Caption := FileOpen1.Dialog.FileName
else
TCustomAction(ReopenActionList1.Actions[I]).Caption :=
TCustomAction(ReopenActionList1.Actions[I - 1]).Caption;
// Add new items to the reopen item if necessary
if ReopenItem.Items.Count < ReopenActionList1.ActionCount then
ReopenItem.Items.Add;
// Set the item captions by appending a number for use as the shortcut
// This change will cause them to be streamed which allows us to store the

RichEdit1.Align := alClient;
// Find the Reopen... menu item on the ActionMainMenu
ActionManager1.ActionBars.IterateClients(ActionManager1.ActionBars[0].Items,
FindReopenMenuItem);
// Find the Reopen... menu item on the ActionToolBar
ActionManager1.ActionBars.IterateClients(ActionManager1.ActionBars[1].Items,
FindOpenToolItem);
// Set the captions of the actions since they are used to open the file
SetupItemCaptions(ReopenMenuItem);
SetupItemCaptions(OpenToolItem);
end;
procedure TForm1.FileOpen1Accept(Sender: TObject);
var
I: Integer;
Found: Boolean;
begin
Found := False;
// If the filename is already in the list then do not add it again
for I := 0 to ReopenActionList1.ActionCount - 1 do
if CompareText(TCustomAction(ReopenActionList1.Actions[I]).Caption, FileOpen1.Dialog.FileName) = 0 then
begin
Found := True;
break;
end;
if not Found then
begin
// Update the Reopen menu...

Width = 499
Height = 285
Caption = 'ActionBands Reopen Demo'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
object ActionMainMenuBar1: TActionMainMenuBar
Left = 0
Top = 0
Width = 491
Height = 25
UseSystemFont = False
ActionManager = ActionManager1
Caption = 'ActionMainMenuBar1'
ColorMap.HighlightColor = 15660791
ColorMap.BtnSelectedColor = clBtnFace
ColorMap.UnusedColor = 15660791
EdgeBorders = [ebBottom]
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'Tahoma'
Font.Style = []
Spacing = 3
end
object ActionToolBar1: TActionToolBar
Left = 0
Top = 25
Width = 491
Height = 26
ActionManager = ActionManager1

// filenames when the application is shutdown
for I := 0 to ReopenItem.Items.Count - 1 do
begin
ReopenItem.Items[I].Action := ReopenActionList1.Actions[I];
ReopenItem.Items[I].Caption := Format('&%d: %s', [I,
TCustomAction(ReopenActionList1.Actions[I]).Caption)];
end;
end;
procedure TForm1.ReopenActionExecute(Sender: TObject);
begin
// Set the reopened filename into the FileOpen action and call OnAccept to open the file normally
FileOpen1.Dialog.FileName := (Sender as TCustomAction).Caption;
// Execute the action's OnAccept logic
FileOpen1.OnAccept(nil);
end;
end.
////////////////////////////////////

Objects
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علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
MRU
object Form1: TForm1
Left = 187
Top = 200

end
object Action8: TAction
Caption = 'Action8'
OnExecute = ReopenActionExecute
end
end
object ActionManager1: TActionManager
FileName = 'c:\code\actions\action bars\reopen\settings.dat'
ActionBars = <
item
Items = <
item
ChangesAllowed = [caModify]
Items.HideUnused = False
Items = <
item
Action = FileOpen1
ImageIndex = 0
ShortCut = 16463
end
end
item
ChangesAllowed = [caModify]
Caption = '&Reopen...'
end
item
Caption = '-'
end
item
Action = FileExit1
ImageIndex = 19
end>
Caption = '&File'
end
item
Items = <
item
Action = EditCut1
ImageIndex = 1
ShortCut = 16472
end
end
item
Action = EditCopy1
ImageIndex = 2

Caption = 'ActionToolBar1'
ColorMap.HighlightColor = 15660791
ColorMap.BtnSelectedColor = clBtnFace
ColorMap.UnusedColor = 15660791
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Spacing = 0
end
object RichEdit1: TRichEdit
Left = 9
Top = 65
Width = 371
Height = 182
Lines.Strings = ('RichEdit1')
TabOrder = 2
end
object ReopenActionList1: TActionList
Left = 91
Top = 94
object Action4: TAction
Caption = 'Action4'
OnExecute = ReopenActionExecute
end
object Action5: TAction
Caption = 'Action5'
OnExecute = ReopenActionExecute
end
object Action6: TAction
Caption = 'Action6'
OnExecute = ReopenActionExecute
end
object Action7: TAction
Caption = 'Action7'
OnExecute = ReopenActionExecute

ImageIndex = 6
ShortCut = 16450
end
item
Action = RichEditItalic1
ImageIndex = 7
ShortCut = 16457
end
item
Action =
RichEditUnderline1
ImageIndex = 8
ShortCut = 16469
end
item
Action =
RichEditStrikeOut1
ImageIndex = 9
end
item
Action = RichEditBullets1
Caption = 'Bu&llets'
ImageIndex = 10
end
item
Action =
RichEditAlignLeft1
Caption = '&Align Left'
ImageIndex = 11
end
item
Action =
RichEditAlignRight1
ImageIndex = 12
end
item
Action =
RichEditAlignCenter1
ImageIndex = 13
end>
Caption = 'F&ormat'
end
item
Items = <
item
Action =
CustomizeActionBars1
end>

ShortCut = 16451
end
item
Action = EditPaste1
ImageIndex = 3
ShortCut = 16470
end
item
Action = EditSelectAll1
ShortCut = 16449
end
item
Action = EditUndo1
ImageIndex = 4
ShortCut = 16474
end
item
Action = EditDelete1
ImageIndex = 5
ShortCut = 46
end>
Caption = '&Edit'
end
item
Items = <
item
Action = SearchFind1
ImageIndex = 14
ShortCut = 16454
end
item
Action = SearchFindNext1
ImageIndex = 15
ShortCut = 114
end
item
Action = SearchReplace1
ImageIndex = 16
end
item
Action = SearchFindFirst1
end>
Caption = '&Search'
end
item
Items = <
item
Action = RichEditBold1

ShortCut = 16463
OnAccept = FileOpen1Accept
end
object EditCut1: TEditCut
Category = 'Edit'
Caption = 'Cu&t'
Hint = 'Cut|Cuts the selection and puts it on the Clipboard'
ImageIndex = 1
ShortCut = 16472
end
object EditCopy1: TEditCopy
Category = 'Edit'
Caption = '&Copy'
Hint = 'Copy|Copies the selection and puts it on the Clipboard'
ImageIndex = 2
ShortCut = 16451
end
object EditPaste1: TEditPaste
Category = 'Edit'
Caption = '&Paste'
Hint = 'Paste|Inserts Clipboard contents'
ImageIndex = 3
ShortCut = 16470
end
object EditSelectAll1: TEditSelectAll
Category = 'Edit'
Caption = 'Select &All'
Hint = 'Select All|Selects the entire document'
ShortCut = 16449
end
object EditUndo1: TEditUndo
Category = 'Edit'
Caption = '&Undo'
Hint = 'Undo|Reverts the last action'
ImageIndex = 4
ShortCut = 16474
end
object EditDelete1: TEditDelete
Category = 'Edit'
Caption = '&Delete'
Hint = 'Delete|Erases the selection'

Caption = '&Tools'
end>
ActionBar =
ActionMainMenuBar1
end
item
Items.HideUnused = False
Items = <
item
Action = FileOpen1
ImageIndex = 0
ShortCut = 16463
end>
ActionBar = ActionToolBar1
end>
LinkedActionLists = <
item
ActionList = ReopenActionList1
Caption = 'Reopenlist'
end>
Images = ImageList1
Left = 259
Top = 101
StyleName = 'XP Style'
object Action1: TAction
Category = 'Reopen'
Caption = 'Action1'
OnExecute =
ReopenActionExecute
end
object Action2: TAction
Category = 'Reopen'
Caption = 'Action2'
OnExecute =
ReopenActionExecute
end
object Action3: TAction
Category = 'Reopen'
Caption = 'Action3'
OnExecute =
ReopenActionExecute
end
object FileOpen1: TFileOpen
Category = 'File'
Caption = '&Open...'
Hint = 'Open|Opens an existing file'
ImageIndex = 0

TRichEditAlignLeft
Category = 'Format'
AutoCheck = True
Caption = 'Align &Left'
Hint = 'Align Left|Aligns text at the left indent'
ImageIndex = 11
end
object RichEditAlignRight1: TRichEditAlignRight
Category = 'Format'
AutoCheck = True
Caption = 'Align &Right'
Hint = 'Align Right|Aligns text at the right indent'
ImageIndex = 12
end
object RichEditAlignCenter1: TRichEditAlignCenter
Category = 'Format'
AutoCheck = True
Caption = '&Center'
Hint = 'Center|Centers text between margins'
ImageIndex = 13
end
object SearchFind1: TSearchFind
Category = 'Search'
Caption = '&Find...'
Hint = 'Find|Finds the specified text'
ImageIndex = 14
ShortCut = 16454
end
object SearchFindNext1: TSearchFindNext
Category = 'Search'
Caption = 'Find &Next'
Hint = 'Find Next|Repeats the last find'
ImageIndex = 15
SearchFind = SearchFind1
ShortCut = 114
end
object SearchReplace1: TSearchReplace
Category = 'Search'
Caption = '&Replace'

ImageIndex = 5
ShortCut = 46
end
object RichEditBold1: TRichEditBold
Category = 'Format'
AutoCheck = True
Caption = '&Bold'
Hint = 'Bold'
ImageIndex = 6
ShortCut = 16450
end
object RichEditItalic1: TRichEditItalic
Category = 'Format'
AutoCheck = True
Caption = '&Italic'
Hint = 'Italic'
ImageIndex = 7
ShortCut = 16457
end
object RichEditUnderline1: TRichEditUnderline
Category = 'Format'
AutoCheck = True
Caption = '&Underline'
Hint = 'Underline'
ImageIndex = 8
ShortCut = 16469
end
object RichEditStrikeOut1: TRichEditStrikeOut
Category = 'Format'
AutoCheck = True
Caption = '&Strikeout'
Hint = 'Strikeout'
ImageIndex = 9
end
object RichEditBullets1: TRichEditBullets
Category = 'Format'
AutoCheck = True
Caption = '&Bullets'
Hint = 'Bullets|Inserts a bullet on the current line'
ImageIndex = 10
end
object RichEditAlignLeft1:

end
object FileExit1: TFileExit
Category = 'File'
Caption = 'E&xit'
Hint = 'Exit|Quits the application'
ImageIndex = 19
end
object Action9: TAction
Category = 'File'
Caption = 'Action9'
end
object CustomizeActionBars1: TCustomizeActionBars
Category = 'Tools'
Caption = '&Customize'
CustomizeDlg.StayOnTop = False
end
end
object ImageList1: TImageList
Left = 178
Top = 147
Bitmap = {
494C010114001900040010001000FF
FFFFFFFF10FFFFFFFFFFFFFFFFFFFF
424D3600
end
end

Hint = 'Replace|Replaces specific text with different text'
ImageIndex = 16
end
object SearchFindFirst1: TSearchFindFirst
Category = 'Search'
Caption = 'F&ind First'
Hint = 'Find First|Finds the first occurrence of specified text'
end
object FileSaveAs1: TFileSaveAs
Category = 'File'
Caption = 'Save &As...'
Hint = 'Save As|Saves the active file with a new name'
ImageIndex = 18
end
object FilePrintSetup1: TFilePrintSetup
Category = 'File'
Caption = 'Print Set&up...'
Hint = 'Print Setup'
end
object FileRun1: TFileRun
Category = 'File'
Browse = False
BrowseDlg.Title = 'Run'
Caption = '&Run...'
Hint = 'Run Runs an application'
Operation = 'open'
ShowCmd = scShowNormal

ObjectS
الملف النصي لبرنامج
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object ToolActionBar1:
TActionToolBar
Left = 0
Top = 24
Width = 557
Height = 28
ActionManager =
ActionManager1
Caption = 'ToolActionBar1'
ColorMap.HighlightColor =
clBtnHighlight
ColorMap.UnusedColor =
15988985
ColorMap.SelectedColor =
clHighlight
EdgeBorders = [ebLeft, ebTop,
ebRight, ebBottom]
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Spacing = 0
end
object ToolActionBar2:
TActionToolBar
Left = 0
Top = 52
Width = 557
Height = 28
ActionManager =
ActionManager1
Caption = 'ToolActionBar2'
ColorMap.HighlightColor =
clBtnHighlight
ColorMap.UnusedColor =
15988985
ColorMap.SelectedColor =
clHighlight
EdgeBorders = [ebLeft, ebTop,
ebRight, ebBottom]
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'

علاء الدين اللباد
جاتف ٠٩٤٤٥٧٥٣٧١
ActionBands
object Form1: TForm1
Left = 202
Top = 114
Width = 565
Height = 368
Caption = 'ActionBars Demo'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
object ActionMainMenuBar1:
TActionMainMenuBar
Left = 0
Top = 0
Width = 557
Height = 24
UseSystemFont = False
ActionManager =
ActionManager1
Caption = 'ActionMainMenuBar1'
ColorMap.HighlightColor =
clBtnHighlight
ColorMap.UnusedColor =
15988985
ColorMap.SelectedColor =
clHighlight
EdgeBorders = [ebBottom]
EdgeOuter = esNone
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'Tahoma'
Font.Style = []
Spacing = 4
end

object ActionManager1:
TActionManager
ActionBars.SessionCount = 6
ActionBars = <
item
Items = <
item
Items = <
item
Action = FileOpen1
ImageIndex = 30
ShortCut = 16463
end
item
Action = FileSaveAs1
ImageIndex = 8
end
item
Action = FileRun1
UsageCount = -1
end
item
Caption = '-'
end
item
Action = FileExit1
ImageIndex = 43
UsageCount = -1
end>
Caption = '&File'
end
item
Items = <
item
Action = EditCut1
ImageIndex = 0
ShortCut = 16472
end
item
Action = EditCopy1
ImageIndex = 1
ShortCut = 16451
end
item
Action = EditPaste1
ImageIndex = 2
ShortCut = 16470
end

Font.Style = []
ParentFont = False
Spacing = 0
end
object ToolActionBar3:
TActionToolBar
Left = 0
Top = 80
Width = 557
Height = 28
ActionManager =
ActionManager1
Caption = 'ToolActionBar3'
ColorMap.HighlightColor =
clBtnHighlight
ColorMap.UnusedColor =
15988985
ColorMap.SelectedColor =
clHighlight
EdgeBorders = [ebLeft, ebTop,
ebRight, ebBottom]
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Spacing = 0
end
object RichEdit1: TRichEdit
Left = 0
Top = 108
Width = 557
Height = 207
Align = alClient
BevelKind = bkTile
BorderStyle = bsNone
TabOrder = 4
end
object StatusBar1: TStatusBar
Left = 0
Top = 315
Width = 557
Height = 19
AutoHint = True
Panels = <>
end

end
item
Action =
RichEditUnderline1
ImageIndex = 28
ShortCut = 16469
end
item
Action =
RichEditStrikeOut1
end
item
Action = RichEditBullets1
Caption = 'Bull&ets'
ImageIndex = 38
end
item
Action =
RichEditAlignLeft1
ImageIndex = 35
end
item
Action =
RichEditAlignRight1
ImageIndex = 36
end
item
Action =
RichEditAlignCenter1
ImageIndex = 37
end>
Caption = 'F&ormat'
end
item
Items = <
item
Action =
CustomizeActionBars1
UsageCount = -1
end>
Caption = '&Tools'
end
item
Items = <
item
Action = StdStyleActn
Caption = '&Standard
Style'

item
Action = EditSelectAll1
ShortCut = 16449
end
item
Action = EditUndo1
ImageIndex = 3
ShortCut = 16474
end
item
Action = EditDelete1
ImageIndex = 5
ShortCut = 46
end>
Caption = '&Edit'
end
item
Items = <
item
Action = SearchFind1
ImageIndex = 34
ShortCut = 16454
end
item
Action = SearchFindNext1
ImageIndex = 33
ShortCut = 114
end
item
Action = SearchReplace1
ImageIndex = 32
end
item
Action = SearchFindFirst1
end>
Caption = '&Search'
end
item
Items = <
item
Action = RichEditBold1
ImageIndex = 31
ShortCut = 16450
end
item
Action = RichEditItalic1
ImageIndex = 29
ShortCut = 16457

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ImageIndex = 35
end
item
Action =
RichEditAlignRight1
ImageIndex = 36
end
item
Action =
RichEditAlignCenter1
ImageIndex = 37
end>
ActionBar = ToolActionBar1
end
item
Items = <
item
Action = SearchFind1
ImageIndex = 34
ShortCut = 16454
end
item
Action = SearchFindNext1
ImageIndex = 33
ShortCut = 114
end
item
Action = SearchReplace1
ImageIndex = 32
end
item
Caption = '-'
LastSession = 6
end
item
Action = SearchFindFirst1
end>
ActionBar = ToolActionBar2
AutoSize = False
end
item
Items = <
item
Action = EditCut1
ImageIndex = 0
ShortCut = 16472
end
item

LastSession = 6
end
item
Action = XPStyleActn
Caption = '&XP Style'
LastSession = 6
end
item
Caption = '-'
end
item
Action = ShadowActn
Caption = '&Menu
Shadows'
LastSession = 6
end>
Caption = 'Sty&le'
end>
ActionBar =
ActionMainMenuBar1
end
item
Items = <
item
Action = RichEditBold1
ImageIndex = 31
ShortCut = 16450
end
item
Action = RichEditItalic1
ImageIndex = 29
ShortCut = 16457
end
item
Action = RichEditUnderline1
ImageIndex = 28
ShortCut = 16469
end
item
Action = RichEditStrikeOut1
end
item
Action = RichEditBullets1
Caption = 'Bull&ets'
ImageIndex = 38
end
item
Action = RichEditAlignLeft1

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ShortCut = 16451
end
object EditPaste1: TEditPaste
Category = 'Edit'
Caption = '&Paste'
Enabled = False
Hint = 'Paste|Inserts Clipboard contents'
ImageIndex = 2
ShortCut = 16470
end
object EditSelectAll1: TEditSelectAll
Category = 'Edit'
Caption = 'Select &All'
Enabled = False
Hint = 'Select All|Selects the entire document'
ShortCut = 16449
end
object EditUndo1: TEditUndo
Category = 'Edit'
Caption = '&Undo'
Enabled = False
Hint = 'Undo|Reverts the last action'
ImageIndex = 3
ShortCut = 16474
end
object EditDelete1: TEditDelete
Category = 'Edit'
Caption = '&Delete'
Enabled = False
Hint = 'Delete|Erases the selection'
ImageIndex = 5
ShortCut = 46
end
object RichEditBold1: TRichEditBold
Category = 'Format'
AutoCheck = True
Caption = '&Bold'
Enabled = False
Hint = 'Bold'
ImageIndex = 31
ShortCut = 16450
end

Action = EditCopy1
ImageIndex = 1
ShortCut = 16451
end
item
Action = EditPaste1
ImageIndex = 2
ShortCut = 16470
end
item
Action = EditSelectAll1
ShortCut = 16449
end
item
Action = EditUndo1
ImageIndex = 3
ShortCut = 16474
end
item
Action = EditDelete1
ImageIndex = 5
ShortCut = 46
end>
ActionBar = ToolActionBar3
AutoSize = False
end>
Images = ImageList1
OnStateChange = ActionManager1StateChange
Left = 125
Top = 138
StyleName = 'Standard'
object EditCut1: TEditCut
Category = 'Edit'
Caption = 'Cu&t'
Enabled = False
Hint = 'Cut|Cuts the selection and puts it on the Clipboard'
ImageIndex = 0
ShortCut = 16472
end
object EditCopy1: TEditCopy
Category = 'Edit'
Caption = '&Copy'
Enabled = False
Hint = 'Copy|Copies the selection and puts it on the Clipboard'
ImageIndex = 1

object RichEditAlignRight1: TRichEditAlignRight
Category = 'Format'
AutoCheck = True
Caption = 'Align &Right'
Enabled = False
Hint = 'Align Right|Aligns text at the right indent'
ImageIndex = 36
end
object RichEditAlignCenter1: TRichEditAlignCenter
Category = 'Format'
AutoCheck = True
Caption = '&Center'
Enabled = False
Hint = 'Center|Centers text between margins'
ImageIndex = 37
end
object FileOpen1: TFileOpen
Category = 'File'
Caption = '&Open...'
Hint = 'Open|Opens an existing file'
ImageIndex = 30
ShortCut = 16463
OnAccept = FileOpen1Accept
end
object FileSaveAs1: TFileSaveAs
Category = 'File'
Caption = 'Save &As...'
Hint = 'Save As|Saves the active file with a new name'
ImageIndex = 8
OnAccept = FileSaveAs1Accept
end
object FileRun1: TFileRun
Category = 'File'
Browse = False
BrowseDlg.Title = 'Run'
Caption = '&Run...'
Hint = 'Run|Runs an applicatoin'
Operation = 'open'
ShowCmd = scShowNormal
end
object FileExit1: TFileExit
Category = 'File'

object RichEditItalic1: TRichEditItalic
Category = 'Format'
AutoCheck = True
Caption = '&Italic'
Enabled = False
Hint = 'Italic'
ImageIndex = 29
ShortCut = 16457
end
object RichEditUnderline1: TRichEditUnderline
Category = 'Format'
AutoCheck = True
Caption = '&Underline'
Enabled = False
Hint = 'Underline'
ImageIndex = 28
ShortCut = 16469
end
object RichEditStrikeOut1: TRichEditStrikeOut
Category = 'Format'
AutoCheck = True
Caption = '&Strikeout'
Enabled = False
Hint = 'Strikeout'
end
object RichEditBullets1: TRichEditBullets
Category = 'Format'
AutoCheck = True
Caption = '&Bullets'
Enabled = False
Hint = 'Bullets|Inserts a bullet on the current line'
ImageIndex = 38
end
object RichEditAlignLeft1: TRichEditAlignLeft
Category = 'Format'
AutoCheck = True
Caption = 'Align &Left'
Enabled = False
Hint = 'Align Left|Aligns text at the left indent'
ImageIndex = 35
end

Caption = 'Standard Style'
GroupIndex = 1
OnExecute =
StdStyleActnExecute
end
object XPStyleActn: TAction
Category = 'Style'
AutoCheck = True
Caption = 'XP Style'
GroupIndex = 1
OnExecute =
XPStyleActnExecute
end
object ShadowActn: TAction
Category = 'Style'
AutoCheck = True
Caption = 'Menu Shadows'
OnExecute =
ShadowActnExecute
end
object FilePageSetup1:
TFilePageSetup
Category = 'File'
Caption = 'FilePageSetup1'
Dialog.MinMarginLeft = 0
Dialog.MinMarginTop = 0
Dialog.MinMarginRight = 0
Dialog.MinMarginBottom = 0
Dialog.MarginLeft = 1000
Dialog.MarginTop = 1000
Dialog.MarginRight = 1000
Dialog.MarginBottom = 1000
Dialog.PageWidth = 8500
Dialog.PageHeight = 11000
end
end
object ImageList1: TImageList
Left = 50
Top = 137
Bitmap = {
000000000000}
end
End
////////////////////////////////

Objects

Caption = 'E&xit'
Hint = 'Exit|Quits the application'
ImageIndex = 43
end
object SearchFind1: TSearchFind
Category = 'Search'
Caption = '&Find...'
Hint = 'Find|Finds the specified text'
ImageIndex = 34
ShortCut = 16454
end
object SearchFindNext1:
TSearchFindNext
Category = 'Search'
Caption = 'Find &Next'
Enabled = False
Hint = 'Find Next|Repeats the last find'
ImageIndex = 33
ShortCut = 114
end
object SearchReplace1:
TSearchReplace
Category = 'Search'
Caption = '&Replace'
Hint = 'Replace|Replaces specific text with different text'
ImageIndex = 32
end
object SearchFindFirst1:
TSearchFindFirst
Category = 'Search'
Caption = 'F&ind First'
Hint = 'Find First|Finds the first occurrence of specified text'
end
object CustomizeActionBars1:
TCustomizeActionBars
Category = 'Tools'
Caption = '&Customize'
CustomizeDlg.StayOnTop = False
end
object StdStyleActn: TAction
Category = 'Style'
AutoCheck = True

Font.Height = -11
Font.Name = 'Tahoma'
Font.Style = []
Spacing = 4
end
object ToolActionBar1: TActionToolBar
Left = 0
Top = 24
Width = 557
Height = 28
ActionManager = ActionManager1
Caption = 'ToolActionBar1'
ColorMap.HighlightColor = clBtnHighlight
ColorMap.UnusedColor = 15988985
ColorMap.SelectedColor = clHighlight
EdgeBorders = [ebLeft, ebTop, ebRight, ebBottom]
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Spacing = 0
end
object ToolActionBar2: TActionToolBar
Left = 0
Top = 52
Width = 557
Height = 28
ActionManager = ActionManager1
Caption = 'ToolActionBar2'
ColorMap.HighlightColor = clBtnHighlight
ColorMap.UnusedColor = 15988985
ColorMap.SelectedColor = clHighlight
EdgeBorders = [ebLeft, ebTop, ebRight, ebBottom]

الملف التنفيذي لبرنامج
(ActionBands)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
ActionBands
object Form1: TForm1
Left = 202
Top = 114
Width = 565
Height = 368
Caption = 'ActionBars Demo'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
object ActionMainMenuBar1: TActionMainMenuBar
Left = 0
Top = 0
Width = 557
Height = 24
UseSystemFont = False
ActionManager = ActionManager1
Caption = 'ActionMainMenuBar1'
ColorMap.HighlightColor = clBtnHighlight
ColorMap.UnusedColor = 15988985
ColorMap.SelectedColor = clHighlight
EdgeBorders = [ebBottom]
EdgeOuter = esNone
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText

Width = 557
Height = 19
AutoHint = True
Panels = <>
end
object ActionManager1: TActionManager
ActionBars.SessionCount = 6
ActionBars = <
item
Items = <
item
Items = <
item
Action = FileOpen1
ImageIndex = 30
ShortCut = 16463
end
item
Action = FileSaveAs1
ImageIndex = 8
end
item
Action = FileRun1
UsageCount = -1
end
item
Caption = '-'
end
item
Action = FileExit1
ImageIndex = 43
UsageCount = -1
end>
Caption = '&File'
end
item
Items = <
item
Action = EditCut1
ImageIndex = 0
ShortCut = 16472
end
item
Action = EditCopy1
ImageIndex = 1
ShortCut = 16451
end

Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Spacing = 0
end
object ToolActionBar3: TActionToolBar
Left = 0
Top = 80
Width = 557
Height = 28
ActionManager = ActionManager1
Caption = 'ToolActionBar3'
ColorMap.HighlightColor = clBtnHighlight
ColorMap.UnusedColor = 15988985
ColorMap.SelectedColor = clHighlight
EdgeBorders = [ebLeft, ebTop, ebRight, ebBottom]
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
Spacing = 0
end
object RichEdit1: TRichEdit
Left = 0
Top = 108
Width = 557
Height = 207
Align = alClient
BevelKind = bkTile
BorderStyle = bsNone
TabOrder = 4
end
object StatusBar1: TStatusBar
Left = 0
Top = 315

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end
item
Action = RichEditItalic1
ImageIndex = 29
ShortCut = 16457
end
item
Action =
RichEditUnderline1
ImageIndex = 28
ShortCut = 16469
end
item
Action =
RichEditStrikeOut1
end
item
Action = RichEditBullets1
Caption = 'Bull&ets'
ImageIndex = 38
end
item
Action =
RichEditAlignLeft1
ImageIndex = 35
end
item
Action =
RichEditAlignRight1
ImageIndex = 36
end
item
Action =
RichEditAlignCenter1
ImageIndex = 37
end>
Caption = 'F&ormat'
end
item
Items = <
item
Action =
CustomizeActionBars1
UsageCount = -1
end>
Caption = '&Tools'
end
item

item
Action = EditPaste1
ImageIndex = 2
ShortCut = 16470
end
item
Action = EditSelectAll1
ShortCut = 16449
end
item
Action = EditUndo1
ImageIndex = 3
ShortCut = 16474
end
item
Action = EditDelete1
ImageIndex = 5
ShortCut = 46
end>
Caption = '&Edit'
end
item
Items = <
item
Action = SearchFind1
ImageIndex = 34
ShortCut = 16454
end
item
Action = SearchFindNext1
ImageIndex = 33
ShortCut = 114
end
item
Action = SearchReplace1
ImageIndex = 32
end
item
Action = SearchFindFirst1
end>
Caption = '&Search'
end
item
Items = <
item
Action = RichEditBold1
ImageIndex = 31
ShortCut = 16450

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Caption = 'Bull&ets'
ImageIndex = 38
end
item
Action = RichEditAlignLeft1
ImageIndex = 35
end
item
Action =
RichEditAlignRight1
ImageIndex = 36
end
item
Action =
RichEditAlignCenter1
ImageIndex = 37
end>
ActionBar = ToolActionBar1
end
item
Items = <
item
Action = SearchFind1
ImageIndex = 34
ShortCut = 16454
end
item
Action = SearchFindNext1
ImageIndex = 33
ShortCut = 114
end
item
Action = SearchReplace1
ImageIndex = 32
end
item
Caption = '-'
LastSession = 6
end
item
Action = SearchFindFirst1
end>
ActionBar = ToolActionBar2
AutoSize = False
end
item
Items = <
item

Items = <
item
Action = StdStyleActn
Caption = '&Standard
Style'
LastSession = 6
end
item
Action = XPStyleActn
Caption = '&XP Style'
LastSession = 6
end
item
Caption = '-'
end
item
Action = ShadowActn
Caption = '&Menu
Shadows'
LastSession = 6
end>
Caption = 'Sty&le'
end>
ActionBar =
ActionMainMenuBar1
end
item
Items = <
item
Action = RichEditBold1
ImageIndex = 31
ShortCut = 16450
end
item
Action = RichEditItalic1
ImageIndex = 29
ShortCut = 16457
end
item
Action = RichEditUnderline1
ImageIndex = 28
ShortCut = 16469
end
item
Action = RichEditStrikeOut1
end
item
Action = RichEditBullets1

Caption = '&Copy'
Enabled = False
Hint = 'Copy|Copies the selection and puts it on the Clipboard'
ImageIndex = 1
ShortCut = 16451
end
object EditPaste1: TEditPaste
Category = 'Edit'
Caption = '&Paste'
Enabled = False
Hint = 'Paste|Inserts Clipboard contents'
ImageIndex = 2
ShortCut = 16470
end
object EditSelectAll1: TEditSelectAll
Category = 'Edit'
Caption = 'Select &All'
Enabled = False
Hint = 'Select All|Selects the entire document'
ShortCut = 16449
end
object EditUndo1: TEditUndo
Category = 'Edit'
Caption = '&Undo'
Enabled = False
Hint = 'Undo|Reverts the last action'
ImageIndex = 3
ShortCut = 16474
end
object EditDelete1: TEditDelete
Category = 'Edit'
Caption = '&Delete'
Enabled = False
Hint = 'Delete|Erases the selection'
ImageIndex = 5
ShortCut = 46
end
object RichEditBold1: TRichEditBold
Category = 'Format'
AutoCheck = True
Caption = '&Bold'

Action = EditCut1
ImageIndex = 0
ShortCut = 16472
end
item
Action = EditCopy1
ImageIndex = 1
ShortCut = 16451
end
item
Action = EditPaste1
ImageIndex = 2
ShortCut = 16470
end
item
Action = EditSelectAll1
ShortCut = 16449
end
item
Action = EditUndo1
ImageIndex = 3
ShortCut = 16474
end
item
Action = EditDelete1
ImageIndex = 5
ShortCut = 46
end>
ActionBar = ToolActionBar3
AutoSize = False
end>
Images = ImageList1
OnStateChange = ActionManager1StateChange
Left = 125
Top = 138
StyleName = 'Standard'
object EditCut1: TEditCut
Category = 'Edit'
Caption = 'Cu&t'
Enabled = False
Hint = 'Cut|Cuts the selection and puts it on the Clipboard'
ImageIndex = 0
ShortCut = 16472
end
object EditCopy1: TEditCopy
Category = 'Edit'

Enabled = False
Hint = 'Align Left|Aligns text at the left indent'
ImageIndex = 35
end
object RichEditAlignRight1: TRichEditAlignRight
Category = 'Format'
AutoCheck = True
Caption = 'Align &Right'
Enabled = False
Hint = 'Align Right|Aligns text at the right indent'
ImageIndex = 36
end
object RichEditAlignCenter1: TRichEditAlignCenter
Category = 'Format'
AutoCheck = True
Caption = '&Center'
Enabled = False
Hint = 'Center|Centers text between margins'
ImageIndex = 37
end
object FileOpen1: TFileOpen
Category = 'File'
Caption = '&Open...'
Hint = 'Open|Opens an existing file'
ImageIndex = 30
ShortCut = 16463
OnAccept = FileOpen1Accept
end
object FileSaveAs1: TFileSaveAs
Category = 'File'
Caption = 'Save &As...'
Hint = 'Save As|Saves the active file with a new name'
ImageIndex = 8
OnAccept = FileSaveAs1Accept
end
object FileRun1: TFileRun
Category = 'File'
Browse = False
BrowseDlg.Title = 'Run'
Caption = '&Run...'
Hint = 'Run|Runs an applicatoin'

Enabled = False
Hint = 'Bold'
ImageIndex = 31
ShortCut = 16450
end
object RichEditItalic1: TRichEditItalic
Category = 'Format'
AutoCheck = True
Caption = '&Italic'
Enabled = False
Hint = 'Italic'
ImageIndex = 29
ShortCut = 16457
end
object RichEditUnderline1: TRichEditUnderline
Category = 'Format'
AutoCheck = True
Caption = '&Underline'
Enabled = False
Hint = 'Underline'
ImageIndex = 28
ShortCut = 16469
end
object RichEditStrikeOut1: TRichEditStrikeOut
Category = 'Format'
AutoCheck = True
Caption = '&Strikeout'
Enabled = False
Hint = 'Strikeout'
end
object RichEditBullets1: TRichEditBullets
Category = 'Format'
AutoCheck = True
Caption = '&Bullets'
Enabled = False
Hint = 'Bullets|Inserts a bullet on the current line'
ImageIndex = 38
end
object RichEditAlignLeft1: TRichEditAlignLeft
Category = 'Format'
AutoCheck = True
Caption = 'Align &Left'

False
end
object StdStyleActn: TAction
Category = 'Style'
AutoCheck = True
Caption = 'Standard Style'
GroupIndex = 1
OnExecute =
StdStyleActnExecute
end
object XPStyleActn: TAction
Category = 'Style'
AutoCheck = True
Caption = 'XP Style'
GroupIndex = 1
OnExecute =
XPStyleActnExecute
end
object ShadowActn: TAction
Category = 'Style'
AutoCheck = True
Caption = 'Menu Shadows'
OnExecute =
ShadowActnExecute
end
object FilePageSetup1:
TFilePageSetup
Category = 'File'
Caption = 'FilePageSetup1'
Dialog.MinMarginLeft = 0
Dialog.MinMarginTop = 0
Dialog.MinMarginRight = 0
Dialog.MinMarginBottom = 0
Dialog.MarginLeft = 1000
Dialog.MarginTop = 1000
Dialog.MarginRight = 1000
Dialog.MarginBottom = 1000
Dialog.PageWidth = 8500
Dialog.PageHeight = 11000
end
end
object ImageList1: TImageList
Left = 50
Top = 137
Bitmap = {
000000000000}
end
End

Operation = 'open'
ShowCmd = scShowNormal
end
object FileExit1: TFileExit
Category = 'File'
Caption = 'E&xit'
Hint = 'Exit|Quits the application'
ImageIndex = 43
end
object SearchFind1: TSearchFind
Category = 'Search'
Caption = '&Find...'
Hint = 'Find|Finds the specified text'
ImageIndex = 34
ShortCut = 16454
end
object SearchFindNext1:
TSearchFindNext
Category = 'Search'
Caption = 'Find &Next'
Enabled = False
Hint = 'Find Next|Repeats the last find'
ImageIndex = 33
ShortCut = 114
end
object SearchReplace1:
TSearchReplace
Category = 'Search'
Caption = '&Replace'
Hint = 'Replace|Replaces specific text with different text'
ImageIndex = 32
end
object SearchFindFirst1:
TSearchFindFirst
Category = 'Search'
Caption = 'F&ind First'
Hint = 'Find First|Finds the first occurrence of specified text'
end
object CustomizeActionBars1:
TCustomizeActionBars
Category = 'Tools'
Caption = '&Customize'
CustomizeDlg.StayOnTop =

```

Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
StdCtrls, ExtCtrls, FrmData,
FrmMD;

type
TForm1 = class(TForm)
MDFrame: TMasterDetailFrame;
SimpleFrame: TDataFrame;
Splitter1: TSplitter;
<----->procedure
FormCreate(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;

var
Form1: TForm1;

implementation
{$R *.dfm}

<----->procedure
TForm1.FormCreate(Sender:
TObject);
begin
with SimpleFrame, Table1 do begin
TableName := 'Biolife';
with FancyFrame1 do begin
DBMemo1.DataSource :=
DataSource1;
DBMemo1.DataField := 'Notes';
DBImage1.DataSource :=
DataSource1;
DBImage1.DataField :=
'Graphic';
end;
Open;
end;
with MDFrame do begin
with MasterFrame, Table1 do
begin
FancyFrame1.Free;
TableName := 'Customer';
    
```

```

////////////////////////////////////
    
```

```

Procedure2
الملف التنفيذي لبرنامج
(Db)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
علاء الدين اللباد ٠٩٤٤٥٧٥٣٧١
DBالملف التنفيذي للبرنامج
يوجد فيه اجراءان فقط

Procedures 2

program FramesDemo;

uses
Forms,
FrmData in 'FrmData.pas'
{DataFrame: TFrame},
FrmFancy in 'FrmFancy.pas'
{FancyFrame: TFrame},
FrmMD in 'FrmMD.pas'
{MasterDetailFrame: TFrame},
FrmMain in 'FrmMain.pas'
{Form1};

{$R *.RES}

begin
Application.Initialize;
Application.CreateForm(TForm1,
Form1);
Application.Run;
end.
unit FrmMain;

interface

uses
    
```

```

unit FrmData;

interface

uses Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
ExtCtrls, DBCtrls, Db, DBTables,
Grids, DBGrids, FrmFancy;

type
TDataFrame = class(TFrame)
DBGrid1: TDBGrid;
DataSource1: TDataSource;
Table1: TTable;
DBNavigator1: TDBNavigator;
FancyFrame1: TFancyFrame;
Splitter1: TSplitter;
private
{ Private declarations }
public
{ Public declarations }
end;

implementation

{$R *.dfm}

end.

////////////////////////////////////
////////////////////////////////////

unit FrmFancy;

interface

uses Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
ExtCtrls, DBCtrls, StdCtrls;

type
TFancyFrame = class(TFrame)
DBMemo1: TDBMemo;

```

```

Open;
end;
with DetailFrame, Table1 do
begin
FancyFrame1.Free;
MasterSource :=
MasterFrame.DataSource1;
MasterFields := 'CustNo';
IndexName := 'CustNo';
TableName := 'Orders';
Open;
end;
end;
end;

end.

////////////////////////////////////
////////////////////////////////////

unit FrmMD;

interface

uses Windows, Messages, SysUtils,
Classes, Graphics, Controls, Forms,
Dialogs,
ExtCtrls, FrmData;

type
TMasterDetailFrame =
class(TFrame)
MasterFrame: TDataFrame;
DetailFrame: TDataFrame;
Splitter2: TSplitter;
private
{ Private declarations }
public
{ Public declarations }
end;

implementation

{$R *.dfm}

end.

////////////////////////////////////
////////////////////////////////////

```


end
inline MDFrame: TMasterDetailFrame
Left = 0
Top = 297
Width = 775
Height = 263
Align = alBottom
TabOrder = 0
inherited Splitter2: TSplitter
Height = 263
end
inherited MasterFrame: TDataFrame
Height = 263
inherited Splitter1: TSplitter
Top = 159
end
inherited DBGrid1: TDBGrid
Height = 134
end
inherited DBNavigator1: TDBNavigator
Hints.Strings = ()
end
inherited FancyFrame1: TFancyFrame
Top = 162
end
end
inherited DetailFrame: TDataFrame
Width = 434
Height = 263
inherited Splitter1: TSplitter
Top = 159
Width = 434
end
inherited DBGrid1: TDBGrid
Width = 434
Height = 134
end
inherited DBNavigator1: TDBNavigator
Width = 434
Hints.Strings = ()
end
inherited FancyFrame1:

DBImage1: TDBImage;
Splitter1: TSplitter;
private
{ Private declarations }
public
{ Public declarations }
end;
implementation
{SR *.dfm}
end.
////////////////////////////////////

Objects 15
الملف النصي لبرنامج
(DB)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
object Form1: TForm1
Left = 209
Top = 158
Width = 783
Height = 594
Caption = 'Form1'
Color = clBtnFace
ParentFont = True
OldCreateOrder = False
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Splitter1: TSplitter
Left = 0
Top = 294
Width = 775
Height = 3
Cursor = crVSplit
Align = alBottom

object MasterDetailFrame:
TMasterDetailFrame
Left = 0
Top = 0
Width = 553
Height = 367
TabOrder = 0
<-----> object Splitter2: TSplitter
Left = 338
Top = 0
Height = 367
end
inline MasterFrame: TDataFrame
Left = 0
Top = 0
Width = 338
Height = 367
Align = alLeft
TabOrder = 0
inherited Splitter1: TSplitter
Top = 263
end
inherited DBGrid1: TDBGrid
Height = 238
end
inherited DBNavigator1:
TDBNavigator
Hints.Strings = ()
end
inherited FancyFrame1:
TFancyFrame
Top = 266
end
end
inline DetailFrame: TDataFrame
Left = 341
Top = 0
Width = 212
Height = 367
Align = alClient
TabOrder = 1
inherited Splitter1: TSplitter
Top = 263
Width = 212
end
inherited DBGrid1: TDBGrid
Width = 212
Height = 238

TFancyFrame
Top = 162
Width = 434
inherited DBImage1:
TDBImage
Width = 270
end
end
end
end
inline SimpleFrame: TDataFrame
Left = 0
Top = 0
Width = 775
Height = 294
Align = alClient
TabOrder = 1
inherited Splitter1: TSplitter
Top = 190
Width = 775
end
inherited DBGrid1: TDBGrid
Width = 775
Height = 165
end
inherited DBNavigator1:
TDBNavigator
Width = 775
Hints.Strings = ()
end
inherited FancyFrame1:
TFancyFrame
Top = 193
Width = 775
inherited Splitter1: TSplitter
Left = 489
end
inherited DBMemo1: TDBMemo
Width = 489
end
inherited DBImage1: TDBImage
Left = 492
Width = 283
end
end
end
End

Left = 0
Top = 0
Width = 338
Height = 25
DataSource = DataSource1
Align = alTop
TabOrder = 1
end
inline FancyFrame1: TFancyFrame
Left = 0
Top = 260
Width = 338
Height = 101
Align = alBottom
TabOrder = 2
inherited DBImage1: TDBImage
Width = 174
end
end
<-----> object DataSource1: TDataSource
DataSet = Table1
Left = 40
Top = 200
end
<-----> object Table1: TTable
DatabaseName = 'DBDEMOS'
Left = 8
Top = 200
end
End
object FancyFrame: TFancyFrame
Left = 0
Top = 0
Width = 320
Height = 101
TabOrder = 0
<-----> object Splitter1: TSplitter
Left = 161
Top = 0
Height = 101
end
<-----> object DBMemo1: TDBMemo
Left = 0
Top = 0
Width = 161
Height = 101

end
inherited DBNavigator1: TDBNavigator
Width = 212
Hints.Strings = ()
end
inherited FancyFrame1: TFancyFrame
Top = 266
Width = 212
inherited DBImage1: TDBImage
Width = 48
end
end
end
End
object DataFrame: TDataFrame
Left = 0
Top = 0
Width = 338
Height = 361
TabOrder = 0
<-----> object Splitter1: TSplitter
Left = 0
Top = 257
Width = 338
Height = 3
Cursor = crVSplit
Align = alBottom
end
<-----> object DBGrid1: TDBGrid
Left = 0
Top = 25
Width = 338
Height = 232
Align = alClient
DataSource = DataSource1
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
<-----> object DBNavigator1: TDBNavigator

BtnTrans: TButton;
<-----> procedure
BtnCloseClick(Sender: TObject);
<-----> procedure
BtnViewsClick(Sender: TObject);
<-----> procedure
BtnTriggClick(Sender: TObject);
<-----> procedure
BtnQrySPClick(Sender: TObject);
<-----> procedure
BtnExecSPClick(Sender: TObject);
<-----> procedure
BtnTransClick(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
FrmLauncher: TFrmLauncher;
implementation
{\$R *.dfm}
uses
FrmExeSP, { The Executable Stored Procedure Demo }
FrmQrySP, { The Query Stored Procedure demo }
FrmTrans, { The Transaction Editing demo }
FrmTrigg, { The Trigger Demo }
FrmViews, { The View Demo }
Variants;
procedure
TFrmLauncher.BtnCloseClick(Send er: TObject);
begin
Close;
end;
procedure
TFrmLauncher.BtnViewsClick(Send er: TObject);
begin

Align = alLeft
TabOrder = 0
end
<-----> object DBImage1:
TDBImage
Left = 164
Top = 0
Width = 156
Height = 101
Align = alClient
TabOrder = 1
end
End

الملف التنفيذي للبرنامج ويحتوي على ٣٢ إجراء (Procedure32) ويعتبر من البرامج الشاملة المرتبطة بقواعد البيانات وهو برنامج مفتوح الشيفرة وموجود ضمن دلفي ٧ باسم
CsDemos

Procedure32
الملف التنفيذي لبرنامج
(CsDemos)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١

unit Frmmain;
interface
uses
SysUtils, Windows, Messages, Classes, Graphics, Controls, Forms, Dialogs, DB, StdCtrls;
type
TFrmLauncher = class(TForm)
BtnTrigg: TButton;
BtnViews: TButton;
BtnQrySP: TButton;
BtnExecSP: TButton;
BtnClose: TButton;

class(TDataModule)
SalesTable: TTable;
SalesSource: TDataSource;
CustomerTable: TTable;
CustomerSource: TDataSource;
ShipOrderProc: TStoredProc;
EmployeeDatabase: TDatabase;
EmployeeSource: TDataSource;
EmployeeTable: TTable;
EmployeeTableEMP_NO: TSmallintField;
EmployeeTableFIRST_NAME: TStringField;
EmployeeTableLAST_NAME: TStringField;
EmployeeTablePHONE_EXT: TStringField;
EmployeeTableHIRE_DATE: TDateTimeField;
EmployeeTableDEPT_NO: TStringField;
EmployeeTableJOB_CODE: TStringField;
EmployeeTableJOB_GRADE: TSmallintField;
EmployeeTableJOB_COUNTRY: TStringField;
EmployeeTableSALARY: TFloatField;
EmployeeTableFULL_NAME: TStringField;
DeleteEmployeeProc: TStoredProc;
SalaryHistoryTable: TTable;
SalaryHistorySource: TDataSource;
SalaryHistoryTableCHANGE_DATE: TDateTimeField;
SalaryHistoryTableUPDATER_ID: TStringField;
SalaryHistoryTableOLD_SALARY: TFloatField;
SalaryHistoryTablePERCENT_CHANGE: TFloatField;

FrmViewDemo.ShowModal;
end;
procedure TFrmLauncher.BtnTriggClick(Sender: TObject);
begin FrmTriggerDemo.ShowModal;
end;
procedure TFrmLauncher.BtnQrySPClick(Sender: TObject);
begin FrmQueryProc.ShowModal;
end;
procedure TFrmLauncher.BtnExecSPClick(Sender: TObject);
begin FrmExecProc.ShowModal;
end;
procedure TFrmLauncher.BtnTransClick(Sender: TObject);
begin FrmTransDemo.ShowModal;
end;
end.
////////////////////////////////////
unit DmCSDemo;
interface
uses Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, DBTables, DB;
type TDmEmployee =

TIntegerField;
SalesTableDISCOUNT:
TFloatField;
SalesTableITEM_TYPE:
TStringField;
SalesTableAGED: TFloatField;
EmployeeLookup: TTable;
SmallintField1: TSmallintField;
StringField1: TStringField;
StringField2: TStringField;
StringField3: TStringField;
DateTimeField1:
TDateTimeField;
StringField4: TStringField;
StringField5: TStringField;
SmallintField2: TSmallintField;
StringField6: TStringField;
FloatField1: TFloatField;
StringField7: TStringField;
SalaryHistoryTableEMP_NO:
TSmallintField;
SalaryHistoryTableEMPLOYEE:
TStringField;
<-----> procedure
EmployeeTableBeforeDelete(DataSet: TDataSet);
<-----> procedure
EmployeeTableAfterPost(DataSet: TDataSet);
<-----> procedure
DmEmployeeCreate(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
var
DmEmployee: TDmEmployee;
implementation
{SR *.dfm}
{ Note: Business rules go in the data model. Here is an example, used by the transaction editing demo.

SalaryHistoryTableNEW_SALARY:
TFloatField;
CustomerTableCUST_NO:
TIntegerField;
CustomerTableCUSTOMER:
TStringField;
CustomerTableCONTACT_FIRST:
TStringField;
CustomerTableCONTACT_LAST:
TStringField;
CustomerTablePHONE_NO:
TStringField;
CustomerTableADDRESS_LINE1:
TStringField;
CustomerTableADDRESS_LINE2:
TStringField;
CustomerTableCITY:
TStringField;
CustomerTableSTATE_PROVINCE:
TStringField;
CustomerTableCOUNTRY:
TStringField;
CustomerTablePOSTAL_CODE:
TStringField;
CustomerTableON_HOLD:
TStringField;
SalesTablePO_NUMBER:
TStringField;
SalesTableCUST_NO:
TIntegerField;
SalesTableSALES_REP:
TSmallintField;
SalesTableORDER_STATUS:
TStringField;
SalesTableORDER_DATE:
TDateTimeField;
SalesTableSHIP_DATE:
TDateTimeField;
SalesTableDATE_NEEDED:
TDateTimeField;
SalesTablePAID: TStringField;
SalesTableQTY_ORDERED:
TIntegerField;
SalesTableTOTAL_VALUE:

```

with SalaryHistoryTable do if
Active then Refresh;
end;

procedure
TmEmployee.DmEmployeeCreate(
Sender: TObject);
begin
EmployeeDatabase.Open;
end;

end.

////////////////////////////////////

unit Frmexesp;

interface

uses
SysUtils, Windows, Messages,
Classes, Graphics, Controls,
StdCtrls, Forms, DBCtrls, DB,
DBGrids, Buttons, DBTables, Mask,
Grids,
ExtCtrls;

type
TFrmExecProc = class(TForm)
DBGrid1: TDBGrid;
ScrollBar: TScrollBar;
Label1: TLabel;
EditCUST_NO: TDBEdit;
Label2: TLabel;
EditCUSTOMER: TDBEdit;
Label3: TLabel;
EditCONTACT_FIRST:
TDBEdit;
EditCONTACT_LAST: TDBEdit;
EditPHONE_NO: TDBEdit;
Label6: TLabel;
EditADDRESS_LINE: TDBEdit;
EditADDRESS_LINE2: TDBEdit;
EditCITY: TDBEdit;
EditSTATE_PROVINCE:
TDBEdit;
EditCOUNTRY: TDBEdit;
EditPOSTAL_CODE: TDBEdit;

```

```

Deletes for the employee table are
done
with a stored procedure rather
than the normal BDE record delete
mechanism, so an audit trail could
be provided, etc... }

{ The database, EmployeeDatabase,
is the InterBase example
EMPLOYEE.GDB database
accessed thru the BDE alias
IBLOCAL. This database contains
examples
of stored procedures, triggers,
check constraints, views, etc., many
of
which are used within this demo
project. }

procedure
TmEmployee.EmployeeTableBeforeDelete(DataSet: TDataSet);
begin
{ Assign the current employee's id
to the stored procedure's parameter
}

DeleteEmployeeProc.Params.Param
Values['EMP_NUM'] :=
EmployeeTable['EMP_NO'];
DeleteEmployeeProc.ExecProc;
{ Trigger the stored proc }
EmployeeTable.Refresh; {
Refresh the data }
{ Block the EmployeeTable delete
since the stored procedure did the
work }
Abort;
end;

procedure
TmEmployee.EmployeeTableAfterPost(DataSet: TDataSet);
begin
{ A change in an employee salary
triggers a change in the salary
history,
so if that table is open, it needs to
be refreshed now }

```

AC.&P

```

TObject);
begin
  { Disable DataEvents from the
  SalesTable for this form now }
  SalesSource.Enabled := False;
end;

procedure
TFrmExecProc.SalesSourceDataCha
nge(Sender: TObject; Field: TField);
begin
  if
  DmEmployee.SalesTable['ORDER_
  STATUS'] <> NULL then
  BtnShipOrder.Enabled :=

  AnsiCompareText(DmEmployee.Sal
  esTable['ORDER_STATUS'],
  'SHIPPED') <> 0;
end;

procedure
TFrmExecProc.BtnShipOrderClick(
Sender: TObject);
begin
  with DmEmployee do
  begin

  ShipOrderProc.Params[0].AsString
  := SalesTable['PO_NUMBER'];
  ShipOrderProc.ExecProc;
  SalesTable.Refresh;
  end;
end;

end.

////////////////////////////////////

unit Frmmain;

interface

uses
  SysUtils, Windows, Messages,
  Classes, Graphics, Controls,
  
```

```

  DBNavigator: TDBNavigator;
  Panel1: TPanel;
  Panel3: TPanel;
  Panel2: TPanel;
  DBCheckBox1: TDBCheckBox;
  Label4: TLabel;
  BtnShipOrder: TSpeedButton;
  BitBtn1: TBitBtn;
  SalesSource: TDataSource;
  <-----> procedure
  SalesSourceDataChange(Sender:
  TObject; Field: TField);
  <-----> procedure
  BtnShipOrderClick(Sender:
  TObject);
  <-----> procedure
  FormShow(Sender: TObject);
  <-----> procedure
  FormHide(Sender: TObject);
  private
  { private declarations }
  public
  { public declarations }
  end;

var
  FrmExecProc: TFrmExecProc;

implementation

uses DmCSDemo, Variants;

  {$R *.dfm}

  procedure
  TFrmExecProc.FormShow(Sender:
  TObject);
  begin
  DmEmployee.SalesTable.Open;

  DmEmployee.CustomerTable.Open;
  { Enable DataEvents from the
  SalesTable for this form now }
  SalesSource.Enabled := True;
  end;

  procedure
  TFrmExecProc.FormHide(Sender:
  
```



```

er: TObject);
begin
  Close;
end;

procedure
TFrmLauncher.BtnViewsClick(Sender: TObject);
begin
  FrmViewDemo.ShowModal;
end;

procedure
TFrmLauncher.BtnTriggClick(Sender: TObject);
begin
  FrmTriggerDemo.ShowModal;
end;

procedure
TFrmLauncher.BtnQrySPClick(Sender: TObject);
begin
  FrmQueryProc.ShowModal;
end;

procedure
TFrmLauncher.BtnExecSPClick(Sender: TObject);
begin
  FrmExecProc.ShowModal;
end;

procedure
TFrmLauncher.BtnTransClick(Sender: TObject);
begin
  FrmTransDemo.ShowModal;
end;

end.

////////////////////////////////////////////////////////////////

unit Frmqrysp;

interface

```

```

Forms, Dialogs, DB, StdCtrls;

type
TFrmLauncher = class(TForm)
  BtnTrigg: TButton;
  BtnViews: TButton;
  BtnQrySP: TButton;
  BtnExecSP: TButton;
  BtnClose: TButton;
  BtnTrans: TButton;
<-----> procedure
  BtnCloseClick(Sender: TObject);
<-----> procedure
  BtnViewsClick(Sender: TObject);
<-----> procedure
  BtnTriggClick(Sender: TObject);
<-----> procedure
  BtnQrySPClick(Sender: TObject);
<-----> procedure
  BtnExecSPClick(Sender: TObject);
<-----> procedure
  BtnTransClick(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  FrmLauncher: TFrmLauncher;

implementation

{$R *.dfm}

uses
  FrmExeSP, { The Executable
  Stored Procedure Demo }
  FrmQrySP, { The Query Stored
  Procedure demo }
  FrmTrans, { The Transaction
  Editing demo }
  FrmTrigg, { The Trigger Demo }
  FrmViews, { The View Demo }
  Variants;

procedure
TFrmLauncher.BtnCloseClick(Sender

```

TFrmQueryProc.WriteMsg(StrWrite: String);
begin
StatusBar1.SimpleText := StrWrite;
end;
procedure TFrmQueryProc.FormShow(Sender: TObject);
begin
DmEmployee.EmployeeTable.Open;
{ Allow data flow from the EmployeeTable to the local EmployeeSource. This will allow DataChange events to execute the query procedure }
EmployeeSource.Enabled := True;
{ Explicit query preparation is not required, but gives the best possible performance }
with EmployeeProjectsQuery do if not Active then Prepare;
end;
procedure TFrmQueryProc.EmployeeDataChange(Sender: TObject; Field: TField);
begin
{ Execute the ProjectsQuery, which uses a query procedure }
EmployeeProjectsQuery.Close;
EmployeeProjectsQuery.Params[0].AsInteger :=
DmEmployee.EmployeeTableEmp_No.Value;
EmployeeProjectsQuery.Open;
WriteMsg('Employee ' + DmEmployee.EmployeeTableEmp_No.AsString +
' is assigned to ' + IntToStr(EmployeeProjectsQuery.RecordCount) +
' project(s).');
end;

uses
SysUtils, Windows, Messages, Classes, Graphics, Controls, StdCtrls, Forms, DBCtrls, DB, DBGrids, DBTables, Grids, ExtCtrls,
Dialogs, Buttons, Mask, ComCtrls;
type
TFrmQueryProc = class(TForm)
DBGrid1: TDBGrid;
DBGrid2: TDBGrid;
DBNavigator: TDBNavigator;
Panel1: TPanel;
Panel2: TPanel;
Panel3: TPanel;
EmployeeProjectsQuery: TQuery;
EmployeeProjectsSource: TDataSource;
StatusBar1: TStatusBar;
BitBtn1: TBitBtn;
EmployeeSource: TDataSource;
<-----> procedure EmployeeDataChange(Sender: TObject; Field: TField);
<-----> procedure FormShow(Sender: TObject);
<-----> procedure FormHide(Sender: TObject);
private
{ private declarations }
<-----> procedure writeMsg(strWrite: String);
public
{ public declarations }
end;
var
FrmQueryProc: TFrmQueryProc;
implementation
uses DmCSDemo;
{ \$R *.dfm }
procedure

AC.&P

```

{ private declarations }
public
{ public declarations }
end;

var
  FrmTransDemo:
  TFrmTransDemo;

implementation

uses DmCSDemo;

{$R *.dfm}

procedure
TFrmTransDemo.FormShow(Sender: TObjec
t);
begin
  DmEmployee.EmployeeDatabase.St
artTransaction;

  DmEmployee.EmployeeTable.Open;
end;

procedure
TFrmTransDemo.FormHide(Sender
: TObjec
t);
begin
  DmEmployee.EmployeeDatabase.Co
mmit;
end;

procedure
TFrmTransDemo.BtnCommitEdits
Click(Sender: TObjec
t);
begin
  if
  DmEmployee.EmployeeDatabase.In
Transaction and
  (MessageDlg('Are you sure you
want to commit your changes?',
  mtConfirmation, [mbYes,
mbNo], 0) = mrYes) then
  begin
    DmEmployee.EmployeeDatabase.Co

```

```

procedure
TFrmQueryProc.FormHide(Sender:
TObjec
t);
begin
  { Turn off the DataChange event
for our form, since
DmEmployee.EmployeeTable
is used elsewhere }
  EmployeeSource.Enabled := False;
end;

end.

////////////////////////////////////

unit Frmtrans;

interface

uses
  SysUtils, Windows, Messages,
  Classes, Graphics, Controls,
  StdCtrls, Forms, DBCtrls, DB,
  DBGrids, Buttons, DBTables, Grids,
  ExtCtrls,
  Dialogs, BDE;

type
  TFrmTransDemo = class(TForm)
    DBGrid1: TDBGrid;
    DBNavigator: TDBNavigator;
    Panel1: TPanel;
    Panel2: TPanel;
    BitBtn1: TBitBtn;
    BtnUndoEdits: TSpeedButton;
    BtnCommitEdits: TSpeedButton;
  <-----> procedure
  BtnCommitEditsClick(Sender:
  TObjec
t);
  <-----> procedure
  BtnUndoEditsClick(Sender:
  TObjec
t);
  <-----> procedure
  FormShow(Sender: TObjec
t);
  <-----> procedure
  FormHide(Sender: TObjec
t);
  private

```

```

uses
  SysUtils, Windows, Messages,
  Classes, Graphics, Controls,
  StdCtrls, Forms, DBCtrls, DB,
  DBGrids, Buttons, DBTables, Grids,
  ExtCtrls;

type
  TFrmTriggerDemo = class(TForm)
    DBGrid1: TDBGrid;
    DBGrid2: TDBGrid;
    DBNavigator: TDBNavigator;
    Panel1: TPanel;
    Panel2: TPanel;
    Panel3: TPanel;
    BitBtn1: TBitBtn;
  <-----> procedure
  FormShow(Sender: TObject);
  private
    { private declarations }
  public
    { public declarations }
  end;
  var
    FrmTriggerDemo:
    TFrmTriggerDemo;

implementation

uses DmCSDemo;

{$R *.dfm}

procedure
TFrmTriggerDemo.FormShow(Sender: TObject);
begin
  DmEmployee.EmployeeTable.Open;

  DmEmployee.SalaryHistoryTable.O
  pen;
end;

end.
////////////////////////////////////

```

```

mmit;

DmEmployee.EmployeeDatabase.St
artTransaction;

DmEmployee.EmployeeTable.Refresh;
end else
  MessageDlg('Can''t Commit
Changes: No Transaction Active',
mtError, [mbOk], 0);
end;

procedure
TFrmTransDemo.BtnUndoEditsClic
k(Sender: TObject);
begin
  if
  DmEmployee.EmployeeDatabase.In
Transaction and
  (MessageDlg('Are you sure you
want to undo all changes made
during the ' +
'current transaction?',
mtConfirmation, [mbYes, mbNo], 0)
= mrYes) then
  begin
    DmEmployee.EmployeeDatabase.Ro
llback;

    DmEmployee.EmployeeDatabase.St
artTransaction;

    DmEmployee.EmployeeTable.Refresh;
  end else
    MessageDlg('Can''t Undo Edits:
No Transaction Active', mtError,
[mbOk], 0);
  end;

end.
////////////////////////////////////
unit Frmtrigg;

interface

```

AC.&P

```

procedure
TFrmViewDemo.ShowTable(
  ATable: string );
begin
  Screen.Cursor := crHourglass; {
  show user something's happening }
  VaryingTable.DisableControls; {
  hide data changes from user }
  VaryingTable.Active := FALSE;
  { close the table }
  VaryingTable.TableName :=
  ATable; { update the name }
  VaryingTable.Open; {
  open the table }
  VaryingTable.EnableControls;
  { paint the changes }
  Screen.Cursor := crDefault; {
  reset the pointer }
end;

procedure
TFrmViewDemo.FormShow(Sender
: TObject);
begin
  VaryingTable.Open;
end;

procedure
TFrmViewDemo.BtnShowEmployee
Click(Sender: TObject);
begin
  ShowTable('EMPLOYEE');
end;

procedure
TFrmViewDemo.BtnShowPhoneList
Click(Sender: TObject);
begin
  ShowTable('PHONE LIST');
end;

end.
////////////////////////////////////////////////////////////////
    
```

```

unit Frmviews;

interface

uses
  SysUtils, Windows, Messages,
  Classes, Graphics, Controls,
  StdCtrls, Forms, DBCtrls, DB,
  DBGrids, Buttons, DBTables, Grids,
  ExtCtrls;

type
  TFrmViewDemo = class(TForm)
    DBGrid1: TDBGrid;
    DBNavigator: TDBNavigator;
    Panel1: TPanel;
    VaryingTableSource:
    TDataSource;
    Panel2: TPanel;
    VaryingTable: TTable;
    BitBtn1: TBitBtn;
    BtnShowEmployee:
    TSpeedButton;
    BtnShowPhoneList:
    TSpeedButton;
    <-----> procedure
    BtnShowEmployeeClick(Sender:
    TObject);
    <-----> procedure
    BtnShowPhoneListClick(Sender:
    TObject);
    <-----> procedure
    FormShow(Sender: TObject);
  private
    { private declarations }
    <-----> procedure
    ShowTable(ATable: string);
  public
    { public declarations }
  end;

var
  FrmViewDemo: TFrmViewDemo;

implementation

{$R *.dfm}
    
```


TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
end
<----->object
VaryingTableSource: TDataSource
DataSet = VaryingTable
Left = 52
Top = 135
end
<----->object VaryingTable:
TTable
DatabaseName =
'EmployeeDemoDB'
TableName = 'EMPLOYEE'
Left = 169
Top = 119
end
End
<----->object FrmTriggerDemo:
TFrmTriggerDemo
Left = 684
Top = 520
Width = 391
Height = 342
Hint = 'Explore the EmployeeTable
to see the trigger sources'
ActiveControl = Panel1
Caption = 'Salary Change
Auditing'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
ShowHint = True
OnShow = FormShow
PixelsPerInch = 96

end
<----->object DBNavigator:
TDBNavigator
Left = 8
Top = 8
Width = 240
Height = 25
DataSource =
VaryingTableSource
Ctl3D = False
ParentCtl3D = False
TabOrder = 0
end
<----->object BitBtn1: TBitBtn
Left = 320
Top = 8
Width = 60
Height = 25
Hint = 'Exit and close this form'
Caption = 'E&xit'
TabOrder = 1
Kind = bkClose
Style = bsNew
end
end
<----->object Panel2: TPanel
Left = 0
Top = 41
Width = 390
Height = 257
Align = alClient
BevelInner = bvLowered
BorderWidth = 4
Caption = 'Panel2'
TabOrder = 1
<----->object DBGrid1:
TDBGrid
Left = 6
Top = 6
Width = 378
Height = 245
Align = alClient
BorderStyle = bsNone
DataSource =
VaryingTableSource
TabOrder = 0
TitleFont.Charset =
DEFAULT_CHARSET

Top = 6
Width = 371
Height = 125
Hint = 'Changing a salary initiates a trigger'
Align = alClient
BorderStyle = bsNone
DataSource =
DmEmployee.EmployeeSource
TabOrder = 0
TitleFont.Charset =
DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans
Serif'
TitleFont.Style = []
Columns = <
item
Expanded = False
FieldName = 'FULL_NAME'
ReadOnly = True
Width = 124
Visible = True
end
item
Expanded = False
FieldName = 'SALARY'
Visible = True
end
item
Expanded = False
FieldName = 'JOB_GRADE'
ReadOnly = True
Visible = True
end>
end
end
<----->object Panel3: TPanel
Left = 0
Top = 178
Width = 383
Height = 130
Align = alClient
BevelInner = bvLowered
BorderWidth = 4
Caption = 'Panel3'
TabOrder = 2

TextHeight = 13
<----->object Panel1: TPanel
Left = 0
Top = 0
Width = 383
Height = 41
Align = alTop
TabOrder = 0
<----->object DBNavigator:
TDBNavigator
Left = 8
Top = 8
Width = 232
Height = 25
DataSource =
DmEmployee.EmployeeSource
VisibleButtons = [nbFirst,
nbPrior, nbNext, nbLast, nbEdit,
nbPost, nbCancel, nbRefresh]
Ctl3D = False
ParentCtl3D = False
TabOrder = 0
end
<----->object BitBtn1: TBitBtn
Left = 315
Top = 8
Width = 60
Height = 25
Hint = 'Exit and close this form'
Caption = 'E&xit'
TabOrder = 1
Kind = bkClose
Style = bsNew
end
end
<----->object Panel2: TPanel
Left = 0
Top = 41
Width = 383
Height = 137
Align = alTop
BevelInner = bvLowered
BorderWidth = 4
Caption = 'Panel2'
TabOrder = 1
<----->object DBGrid1:
TDBGrid
Left = 6

'PERCENT_CHANGE'
Visible = True
end
item
Expanded = False
FieldName = 'UPDATER_ID'
Visible = True
end>
end
end
End
////////////////////////////////////
<----->object FrmTransDemo:
TFrmTransDemo
Left = 244
Top = 150
Width = 506
Height = 342
Hint = 'All edits in this form are done in a transaction'
ActiveControl = Panel1
Caption = 'Employee Browser'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
ShowHint = True
OnHide = FormHide
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<----->object Panel1: TPanel
Left = 0
Top = 0
Width = 498
Height = 41
Align = alTop
TabOrder = 0
<----->object BtnUndoEdits:
TSpeedButton
Left = 345

<----->object DBGrid2:
TDBGrid
Left = 6
Top = 6
Width = 371
Height = 118
Hint = 'Salary history is maintained by a trigger on salary change'
Align = alClient
BorderStyle = bsNone
DataSource = DmEmployee.SalaryHistorySource
ReadOnly = True
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
Columns = <
item
Expanded = False
FieldName = 'EMPLOYEE'
Width = 123
Visible = True
end
item
Expanded = False
FieldName = 'CHANGE_DATE'
Visible = True
end
item
Expanded = False
FieldName = 'OLD_SALARY'
Visible = True
end
item
Expanded = False
FieldName = 'NEW_SALARY'
Visible = True
end
item
Expanded = False
FieldName =

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Align = alClient
BevelInner = bvLowered
BorderWidth = 4
Caption = 'Panel2'
TabOrder = 1
<----->object DBGrid1: TDBGrid
Left = 6
Top = 6
Width = 486
Height = 255
Align = alClient
BorderStyle = bsNone
DataSource = DmEmployee.EmployeeSource
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
end
End
////////////////////////////////////
<----->object FrmQueryProc: TFrmQueryProc
Left = 279
Top = 170
Width = 381
Height = 367
Hint =
'Explore the Get_Emp_Proj procedure in the IBLOCAL alias to see t' +
'he query procedure'
ActiveControl = Panel1
Caption = 'Employee Project Assignments'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11

Top = 8
Width = 76
Height = 25
Hint = 'Rolls Back the current transaction and starts a new one'
Caption = '&Undo Edits'
OnClick = BtnUndoEditsClick
end
<----->object BtnCommitEdits: TSpeedButton
Left = 261
Top = 8
Width = 76
Height = 25
Hint = 'Commits the current transaction and starts a new one'
Caption = '&Commit Edits'
OnClick = BtnCommitEditsClick
end
<----->object DBNavigator: TDBNavigator
Left = 8
Top = 8
Width = 240
Height = 25
DataSource = DmEmployee.EmployeeSource
Ctl3D = False
ParentCtl3D = False
TabOrder = 0
end
<----->object BitBtn1: TBitBtn
Left = 431
Top = 8
Width = 60
Height = 25
Hint = 'Exit and close this form'
Caption = 'E&xit'
TabOrder = 1
Kind = bkClose
Style = bsNew
end
end
<----->object Panel2: TPanel
Left = 0
Top = 41
Width = 498
Height = 267

Caption = 'Panel2'
TabOrder = 1
<----->object DBGrid1:
TDBGrid
Left = 6
Top = 6
Width = 361
Height = 125
Hint = 'Select an employee to execute the query procedure'
Align = alClient
BorderStyle = bsNone
DataSource = EmployeeSource
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
end
<----->object Panel3: TPanel
Left = 0
Top = 178
Width = 373
Height = 136
Align = alClient
BevelInner = bvLowered
BorderWidth = 4
TabOrder = 2
<----->object DBGrid2:
TDBGrid
Left = 6
Top = 6
Width = 361
Height = 124
Hint = 'Use SQL Monitor to see the Get_Emp_Proj query procedure execute'
Align = alClient
BorderStyle = bsNone
DataSource = EmployeeProjectsSource
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET

Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
ShowHint = True
OnHide = FormHide
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<----->object Panel1: TPanel
Left = 0
Top = 0
Width = 373
Height = 41
Align = alTop
TabOrder = 0
<----->object DBNavigator:
TDBNavigator
Left = 8
Top = 8
Width = 240
Height = 25
DataSource = DmEmployee.EmployeeSource
Ctl3D = False
ParentCtl3D = False
TabOrder = 0
end
<----->object BitBtn1: TBitBtn
Left = 305
Top = 8
Width = 60
Height = 25
Hint = 'Exit and close this form'
Caption = 'E&xit'
TabOrder = 1
Kind = bkClose
Style = bsNew
end
end
<----->object Panel2: TPanel
Left = 0
Top = 41
Width = 373
Height = 137
Align = alTop
BevelInner = bvLowered
BorderWidth = 4

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Left = 168
Top = 72
end
End
<----->object FrmLauncher: TFrmLauncher
Left = 497
Top = 119
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsSingle
Caption = 'Client/Server Concepts'
ClientHeight = 248
ClientWidth = 240
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
ShowHint = True
PixelsPerInch = 96
TextHeight = 13
<----->object BtnTrigg: TButton
Left = 8
Top = 48
Width = 225
Height = 34
Hint = 'Shows a trigger in action'
Caption = 'Salary Change &Trigger Demo'
TabOrder = 1
OnClick = BtnTriggClick
end
<----->object BtnViews: TButton
Left = 8
Top = 8
Width = 225
Height = 34
Hint = 'Demonstrates that views are treated like tables'
Caption = 'Show a &View in

TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
end
<----->object StatusBar1: TStatusBar
Left = 0
Top = 314
Width = 373
Height = 19
Panels = <>
SimplePanel = True
end
<----->object EmployeeProjectsQuery: TQuery
DatabaseName = 'EmployeeDemoDB'
SQL.Strings = ('Select * from Get_Emp_Proj(:EMP_NO)')
Left = 168
Top = 200
ParamData = <
item
DataTypes = ftSmallint
Name = 'EMP_NO'
ParamType = ptUnknown
Value = 2
end>
end
<----->object EmployeeProjectsSource: TDataSource
DataSet = EmployeeProjectsQuery
Left = 168
Top = 248
end
<----->object EmployeeSource: TDataSource
DataSet = DmEmployee.EmployeeTable
Enabled = False
OnChange = EmployeeDataChange

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OnClick = BtnTransClick
end
End
<----->object FrmExecProc: TFrmExecProc
Left = 267
Top = 122
Width = 435
Height = 316
Hint =
'Explore the ShipOrderProc in the DmEmployee data model to see wh' +
'at shipping an order does'
ActiveControl = Panel1
Caption = 'Sales Review'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
ShowHint = True
OnHide = FormHide
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<----->object Panel1: TPanel
Left = 0
Top = 0
Width = 427
Height = 41
Align = alTop
TabOrder = 0
<----->object BtnShipOrder: TSpeedButton
Left = 258
Top = 8
Width = 64
Height = 25
Hint = 'Mark current order as

action'
TabOrder = 0
OnClick = BtnViewsClick
end
<----->object BtnQrySP: TButton
Left = 8
Top = 88
Width = 225
Height = 34
Hint = 'Shows a query procedure in action'
Caption = '&Query Stored Procedure Demo'
TabOrder = 2
OnClick = BtnQrySPClick
end
<----->object BtnExecSP: TButton
Left = 8
Top = 128
Width = 225
Height = 34
Hint = 'Shows an executable procedure in action'
Caption = '&Executable Stored Procedure Demo'
TabOrder = 3
OnClick = BtnExecSPClick
end
<----->object BtnClose: TButton
Left = 8
Top = 208
Width = 225
Height = 34
Hint = 'Exits this sample'
Caption = '&Exit'
TabOrder = 5
OnClick = BtnCloseClick
end
<----->object BtnTrans: TButton
Left = 8
Top = 168
Width = 225
Height = 34
Hint = 'Shows simple transaction handling'
Caption = 'T&ransaction Editing Demo'
TabOrder = 4

BorderStyle = bsNone
DataSource =
DmEmployee.SalesSource
TabOrder = 0
TitleFont.Charset =
DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans
Serif'
TitleFont.Style = []
end
end
<----->object Panel3: TPanel
Left = 0
Top = 172
Width = 427
Height = 110
Hint = 'Customers are linked to
sales in the data model'
Align = alBottom
BevelInner = bvLowered
BorderWidth = 4
Caption = 'Panel3'
TabOrder = 2
<----->object ScrollBox:
TScrollBox
Left = 6
Top = 6
Width = 415
Height = 98
HorzScrollBar.Margin = 6
VertScrollBar.Margin = 6
Align = alClient
BorderStyle = bsNone
TabOrder = 0
<----->object Label1: TLabel
Left = 209
Top = 6
Width = 64
Height = 13
Alignment = taRightJustify
Caption = 'Customer No:'
FocusControl = EditCUST_NO
end
<----->object Label2: TLabel
Left = 1
Top = 7

shipped'
Caption = '&Ship Order'
Enabled = False
OnClick = BtnShipOrderClick
end
<----->object DBNavigator:
TDBNavigator
Left = 8
Top = 8
Width = 240
Height = 25
DataSource =
DmEmployee.SalesSource
Ctl3D = False
ParentCtl3D = False
TabOrder = 0
end
<----->object BitBtn1: TBitBtn
Left = 359
Top = 8
Width = 60
Height = 25
Hint = 'Exit and close this form'
Caption = 'E&xit'
TabOrder = 1
Kind = bkClose
Style = bsNew
end
end
<----->object Panel2: TPanel
Left = 0
Top = 41
Width = 427
Height = 131
Align = alClient
BevelInner = bvLowered
BorderWidth = 4
Caption = 'Panel2'
TabOrder = 1
<----->object DBGrid1:
TDBGrid
Left = 6
Top = 6
Width = 415
Height = 119
Hint = 'Select an open order to
ship the order'
Align = alClient

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Left = 51
Top = 4
Width = 125
Height = 21
DataField = 'CUSTOMER'
DataSource =
DmEmployee.CustomerSource
TabOrder = 1
end
<----->object
EditCONTACT_FIRST: TDBEdit
Left = 51
Top = 26
Width = 75
Height = 21
DataField =
'CONTACT_FIRST'
DataSource =
DmEmployee.CustomerSource
TabOrder = 2
end
<----->object
EditCONTACT_LAST: TDBEdit
Left = 129
Top = 26
Width = 100
Height = 21
DataField =
'CONTACT_LAST'
DataSource =
DmEmployee.CustomerSource
TabOrder = 3
end
<----->object EditPHONE_NO:
TDBEdit
Left = 276
Top = 26
Width = 120
Height = 21
DataField = 'PHONE_NO'
DataSource =
DmEmployee.CustomerSource
TabOrder = 4
end
<----->object
EditADDRESS_LINE: TDBEdit
Left = 51
Top = 48

Width = 47
Height = 13
Alignment = taRightJustify
Caption = 'Company:'
FocusControl =
EditCUSTOMER
end
<----->object Label3: TLabel
Left = 8
Top = 29
Width = 40
Height = 13
Alignment = taRightJustify
Caption = 'Contact:'
FocusControl =
EditCONTACT_FIRST
end
<----->object Label6: TLabel
Left = 7
Top = 50
Width = 41
Height = 13
Alignment = taRightJustify
Caption = 'Address:'
FocusControl =
EditADDRESS_LINE
end
<----->object Label4: TLabel
Left = 239
Top = 29
Width = 34
Height = 13
Alignment = taRightJustify
Caption = 'Phone:'
end
<----->object EditCUST_NO:
TDBEdit
Left = 276
Top = 3
Width = 49
Height = 21
DataField = 'CUST_NO'
DataSource =
DmEmployee.CustomerSource
TabOrder = 0
end
<----->object EditCUSTOMER:
TDBEdit

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Height = 21
DataField = 'COUNTRY'
DataSource = DmEmployee.CustomerSource
TabOrder = 9
end
<----->object
EditPOSTAL_CODE: TDBEdit
Left = 336
Top = 70
Width = 60
Height = 21
DataField = 'POSTAL_CODE'
DataSource = DmEmployee.CustomerSource
TabOrder = 10
end
<----->object DBCheckBox1:
TDBCheckBox
Left = 333
Top = 3
Width = 67
Height = 17
Caption = 'On Hold'
DataField = 'ON_HOLD'
DataSource = DmEmployee.CustomerSource
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 11
ValueChecked = 'True;*;Yes'
ValueUnchecked = 'False; ;;NIL;No'
end
end
end
<----->object SalesSource:
TDataSource
DataSet = DmEmployee.SalesTable
Enabled = False
OnDataChange = SalesSourceDataChange

Width = 171
Height = 21
DataField = 'ADDRESS_LINE1'
DataSource = DmEmployee.CustomerSource
TabOrder = 5
end
<----->object
EditADDRESS_LINE2: TDBEdit
Left = 226
Top = 48
Width = 170
Height = 21
DataField = 'ADDRESS_LINE2'
DataSource = DmEmployee.CustomerSource
TabOrder = 6
end
<----->object EditCITY:
TDBEdit
Left = 51
Top = 70
Width = 125
Height = 21
DataField = 'CITY'
DataSource = DmEmployee.CustomerSource
TabOrder = 7
end
<----->object
EditSTATE_PROVINCE: TDBEdit
Left = 180
Top = 70
Width = 75
Height = 21
DataField = 'STATE_PROVINCE'
DataSource = DmEmployee.CustomerSource
TabOrder = 8
end
<----->object EditCOUNTRY:
TDBEdit
Left = 258
Top = 70
Width = 75

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Required = True
end
<----->object
SalesTableSALES_REP:
TSmallintField
DisplayLabel = 'Sales Rep'
FieldName = 'SALES_REP'
end
<----->object
SalesTableORDER_STATUS:
TStringField
DisplayLabel = 'Order Status'
FieldName = 'ORDER_STATUS'
Required = True
Size = 7
end
<----->object
SalesTableORDER_DATE:
TDateTimeField
DisplayLabel = 'Order Date'
FieldName = 'ORDER_DATE'
Required = True
end
<----->object
SalesTableSHIP_DATE:
TDateTimeField
DisplayLabel = 'Ship Date'
FieldName = 'SHIP_DATE'
end
<----->object
SalesTableDATE_NEEDED:
TDateTimeField
DisplayLabel = 'Date Needed'
FieldName = 'DATE_NEEDED'
end
<----->object SalesTablePAID:
TStringField
DisplayLabel = 'Paid'
FieldName = 'PAID'
Size = 1
end
<----->object
SalesTableQTY_ORDERED:
TIntegerField
DisplayLabel = 'Quantity Ordered'
FieldName = 'QTY_ORDERED'
Required = True

Left = 200
Top = 80
end
End
//////////////////////////////////// ///
<----->object DmEmployee:
TDmEmployee
OldCreateOrder = True
OnCreate = DmEmployeeCreate
Left = 126
Top = 130
Height = 188
Width = 414
<----->object EmployeeDatabase:
TDatabase
AliasName = 'IBLOCAL'
Connected = True
DatabaseName =
'EmployeeDemoDB'
LoginPrompt = False
Params.Strings = (
'USER NAME=SYSDBA'
'PASSWORD=masterkey')
SessionName = 'Default'
Left = 40
Top = 8
end
<----->object SalesTable: TTable
DatabaseName =
'EmployeeDemoDB'
IndexFieldNames =
'PO_NUMBER'
TableName = 'SALES'
Left = 40
Top = 56
<----->object
SalesTablePO_NUMBER:
TStringField
DisplayLabel = 'PO Number'
FieldName = 'PO_NUMBER'
Required = True
Size = 8
end
<----->object
SalesTableCUST_NO: TIntegerField
DisplayLabel = 'Customer No'
FieldName = 'CUST_NO'

Required = True
end
<----->object
CustomerTableCUSTOMER:
TStringField
DisplayLabel = 'Customer'
FieldName = 'CUSTOMER'
Required = True
Size = 25
end
<----->object
CustomerTableCONTACT_FIRST:
TStringField
DisplayLabel = 'Contact1'
FieldName =
'CONTACT_FIRST'
Size = 15
end
<----->object
CustomerTableCONTACT_LAST:
TStringField
DisplayLabel = 'Contact2'
FieldName =
'CONTACT_LAST'
end
<----->object
CustomerTablePHONE_NO:
TStringField
DisplayLabel = 'Phone No'
FieldName = 'PHONE_NO'
end
<----->object
CustomerTableADDRESS_LINE1:
TStringField
DisplayLabel = 'Address 1'
FieldName =
'ADDRESS_LINE1'
Size = 30
end
<----->object
CustomerTableADDRESS_LINE2:
TStringField
DisplayLabel = 'Address 2'
FieldName =
'ADDRESS_LINE2'
Size = 30
end
<----->object
CustomerTableCITY: TStringField

end
<----->object
SalesTableTOTAL_VALUE:
TIntegerField
DisplayLabel = 'Total Value'
FieldName = 'TOTAL_VALUE'
Required = True
end
<----->object
SalesTableDISCOUNT: TFloatField
DisplayLabel = 'Discount'
FieldName = 'DISCOUNT'
Required = True
end
<----->object
SalesTableITEM_TYPE:
TStringField
DisplayLabel = 'Item Type'
FieldName = 'ITEM_TYPE'
Size = 12
end
<----->object SalesTableAGED:
TFloatField
DisplayLabel = 'Aged'
FieldName = 'AGED'
end
end
<----->object SalesSource:
TDataSource
DataSet = SalesTable
Left = 40
Top = 104
end
<----->object CustomerTable:
TTable
DatabaseName =
'EmployeeDemoDB'
IndexFieldNames = 'CUST_NO'
MasterFields = 'CUST_NO'
MasterSource = SalesSource
TableName = 'CUSTOMER'
Left = 128
Top = 56
<----->object
CustomerTableCUST_NO:
TIntegerField
DisplayLabel = 'Customer No'
FieldName = 'CUST_NO'

'EmployeeDemoDB'
IndexFieldNames = 'EMP_NO'
TableName = 'EMPLOYEE'
Left = 224
Top = 56
<----->object
EmployeeTableEMP_NO:
TSmallintField
DisplayLabel = 'Employee Number'
FieldName = 'EMP_NO'
Required = True
end
<----->object
EmployeeTableFIRST_NAME:
TStringField
DisplayLabel = 'First Name'
FieldName = 'FIRST_NAME'
Required = True
Size = 15
end
<----->object
EmployeeTableLAST_NAME:
TStringField
DisplayLabel = 'Last Name'
FieldName = 'LAST_NAME'
Required = True
end
<----->object
EmployeeTablePHONE_EXT:
TStringField
DisplayLabel = 'Phone Extension'
FieldName = 'PHONE_EXT'
Size = 4
end
<----->object
EmployeeTableHIRE_DATE:
TDateTimeField
DisplayLabel = 'Hire Date'
FieldName = 'HIRE_DATE'
Required = True
end
<----->object
EmployeeTableDEPT_NO:
TStringField
DisplayLabel = 'Dept No'
FieldName = 'DEPT_NO'

DisplayLabel = 'City'
FieldName = 'CITY'
Size = 25
end
<----->object
CustomerTableSTATE_PROVINCE:
TStringField
DisplayLabel = 'State or Province'
FieldName = 'STATE_PROVINCE'
Size = 15
end
<----->object
CustomerTableCOUNTRY:
TStringField
DisplayLabel = 'Country'
FieldName = 'COUNTRY'
Size = 15
end
<----->object
CustomerTablePOSTAL_CODE:
TStringField
DisplayLabel = 'Postal Code'
FieldName = 'POSTAL_CODE'
Size = 12
end
<----->object
CustomerTableON_HOLD:
TStringField
DisplayLabel = 'On Hold'
FieldName = 'ON_HOLD'
Size = 1
end
end
<----->object CustomerSource:
TDataSource
DataSet = CustomerTable
Left = 128
Top = 104
end
<----->object EmployeeTable:
TTable
AfterPost = EmployeeTableAfterPost
BeforeDelete = EmployeeTableBeforeDelete
DatabaseName =

TTable
DatabaseName = 'EmployeeDemoDB'
IndexFieldNames = 'EMP_NO'
MasterFields = 'EMP_NO'
MasterSource = EmployeeSource
TableName = 'SALARY_HISTORY'
Left = 328
Top = 56
<----->object
SalaryHistoryTableEMPLOYEE: TStringField
DisplayLabel = 'Employee'
FieldKind = fkLookup
FieldName = 'EMPLOYEE'
LookupDataSet = EmployeeLookup
LookupKeyFields = 'EMP_NO'
LookupResultField = 'FULL_NAME'
KeyFields = 'EMP_NO'
Size = 37
Lookup = True
end
<----->object
SalaryHistoryTableEMP_NO: TSmallintField
FieldName = 'EMP_NO'
Required = True
DisplayFormat = 'Employee Number'
end
<----->object
SalaryHistoryTableCHANGE_DATE: TDateTimeField
DisplayLabel = 'Change Date'
FieldName = 'CHANGE_DATE'
Required = True
end
<----->object
SalaryHistoryTableUPDATER_ID: TStringField
DisplayLabel = 'Updater ID'
FieldName = 'UPDATER_ID'
Required = True
end
<----->object

Required = True
Size = 3
end
<----->object
EmployeeTableJOB_CODE: TStringField
DisplayLabel = 'Job Code'
FieldName = 'JOB_CODE'
Required = True
Size = 5
end
<----->object
EmployeeTableJOB_GRADE: TSmallintField
DisplayLabel = 'Job Grade'
FieldName = 'JOB_GRADE'
Required = True
end
<----->object
EmployeeTableJOB_COUNTRY: TStringField
DisplayLabel = 'Job Country'
FieldName = 'JOB_COUNTRY'
Required = True
Size = 15
end
<----->object
EmployeeTableSALARY: TFloatField
DisplayLabel = 'Salary'
FieldName = 'SALARY'
Required = True
end
<----->object
EmployeeTableFULL_NAME: TStringField
DisplayLabel = 'Name'
FieldName = 'FULL_NAME'
Size = 37
end
end
<----->object EmployeeSource: TDataSource
DataSet = EmployeeTable
Left = 224
Top = 104
end
<----->object SalaryHistoryTable:

Left = 224
Top = 8
ParamData = <
item
DataType = ftInteger
Name = 'EMP_NUM'
ParamType = ptInput
end>
end
<----->object EmployeeLookup:
TTable
AfterPost =
EmployeeTableAfterPost
BeforeDelete =
EmployeeTableBeforeDelete
DatabaseName =
'EmployeeDemoDB'
IndexFieldNames = 'EMP_NO'
TableName = 'EMPLOYEE'
Left = 328
Top = 8
<----->object SmallintField1:
TSmallintField
DisplayLabel = 'Employee
Number'
FieldName = 'EMP_NO'
Required = True
end
<----->object StringField1:
TStringField
DisplayLabel = 'First Name'
FieldName = 'FIRST_NAME'
Required = True
Size = 15
end
<----->object StringField2:
TStringField
DisplayLabel = 'Last Name'
FieldName = 'LAST_NAME'
Required = True
end
<----->object StringField3:
TStringField
DisplayLabel = 'Phone
Extension'
FieldName = 'PHONE_EXT'
Size = 4
end

SalaryHistoryTableOLD_SALARY:
TFloatField
DisplayLabel = 'Old Salary'
FieldName = 'OLD_SALARY'
Required = True
end
<----->object
SalaryHistoryTablePERCENT_CH
ANGE: TFloatField
DisplayLabel = '% Change'
FieldName =
'PERCENT_CHANGE'
Required = True
end
<----->object
SalaryHistoryTableNEW_SALARY:
TFloatField
DisplayLabel = 'New Salary'
FieldName = 'NEW_SALARY'
end
end
<----->object
SalaryHistorySource: TDataSource
DataSet = SalaryHistoryTable
Left = 328
Top = 104
end
<----->object ShipOrderProc:
TStoredProc
DatabaseName =
'EmployeeDemoDB'
StoredProcName =
'SHIP_ORDER'
Left = 128
Top = 8
ParamData = <
item
DataType = ftString
Name = 'PO_NUM'
ParamType = ptInput
end>
end
<----->object
DeleteEmployeeProc: TStoredProc
DatabaseName =
'EmployeeDemoDB'
StoredProcName =
'DELETE_EMPLOYEE'

////////////////////////////////////

<----->object DateTimeField1: TDateTimeField
DisplayLabel = 'Hire Date'
FieldName = 'HIRE_DATE'
Required = True
end
<----->object StringField4: TStringField
DisplayLabel = 'Dept No'
FieldName = 'DEPT_NO'
Required = True
Size = 3
end
<----->object StringField5: TStringField
DisplayLabel = 'Job Code'
FieldName = 'JOB_CODE'
Required = True
Size = 5
end
<----->object SmallintField2: TSmallintField
DisplayLabel = 'Job Grade'
FieldName = 'JOB_GRADE'
Required = True
end
<----->object StringField6: TStringField
DisplayLabel = 'Job Country'
FieldName = 'JOB_COUNTRY'
Required = True
Size = 15
end
<----->object FloatField1: TFloatField
DisplayLabel = 'Salary'
FieldName = 'SALARY'
Required = True
end
<----->object StringField7: TStringField
DisplayLabel = 'Name'
FieldName = 'FULL_NAME'
Size = 37
end
end
End

(Test program for ADO Components)
موقعه : دلفي ٧ (النسخة الأصلية)
الملف النصي والتنفيذي

Procedures159

unit AdoMain;
{ Test program for ADO Components }
interface
uses
Variants, Windows, Sysutils, Forms, IniFiles, ImgList, Controls, Classes,
ActnList, Menus, Dialogs, ComCtrls, ComObj, ToolWin, DB, ADOInt,
Grids, DBGrids, Provider, ADODB, DBClient, DBCtrls, ExtCtrls,
StdCtrls, Buttons, SqlEdit;
type
TADODBTest = class(TForm)
Connection: TADOConnection;
MasterTable: TADOTable;
DetailTable: TADOTable;
MasterQuery: TADOQuery;
DetailQuery: TADOQuery;
MasterProc: TADOStoredProc;
ADODDataSet: TADODDataSet;
Provider: TDataSetProvider;
MasterClientData: TClientDataSet;
MasterDataSource: TDataSource;
DetailDataSource: TDataSource;
DetailGrid: TDBGrid;
MasterGrid: TDBGrid;
DBMemo1: TDBMemo;
DBImage1: TDBImage;
{ Actions }
ActionList1: TActionList;
SaveToFile: TAction;

البرنامج الشامل لتعليمات ADO
AdoTest٥
إعداد :
علاء الدين محمد اللباد
٠٩٤٤٥٧٥٣٧١
اسم البرنامج :

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FindNext: TButton;
Filtered: TCheckBox;
IndexFields: TEdit;
PrevQuery1: TSpeedButton;
Events: TListBox;
DescFields: TEdit;
CaseInsFields: TEdit;
MasterTableName: TComboBox;
DetailTableName: TComboBox;
MasterSQL: TMemo;
DetailSQL: TMemo;
GridSplitter: TSplitter;
ClearEventsButton: TToolButton;
LocateEdit: TEdit;
LocateField: TComboBox;
locPartialKey: TCheckBox;
LocateNull: TCheckBox;
UseClientCursorItem: TMenuItem;
UseadCmdTableDirect1: TMenuItem;
CursorTypeItem: TMenuItem;
CurTypeKeyset: TMenuItem;
Dynamic1: TMenuItem;
CurTypeUnspecified: TMenuItem;
CurTypeForwardOnly: TMenuItem;
CurTypeStatic: TMenuItem;
DBEditScroller: TScrollBox;
LockTypeItem: TMenuItem;
LckTypeUnspecified: TMenuItem;
LckTypeReadOnly: TMenuItem;
LckTypePessimistic: TMenuItem;
LckTypeOptimistic: TMenuItem;
LckTypeBatchOptimistic: TMenuItem;
ReadOnlyLabel: TLabel;
ConnectionString: TComboBox;
EditConnStr: TSpeedButton;
Label1: TLabel;
Label2: TLabel;
ProcedureNames: TGroupBox;
TableNames: TGroupBox;
QueryStrings: TGroupBox;
MasterProcName: TComboBox;
Splitter1: TSplitter;

OpenQuery: TAction;
OpenTable: TAction;
BatchUpdate: TAction;
ExitApplication: TAction;
CloseActiveDataSet: TAction;
LoadFromFile: TAction;
CancelBatch: TAction;
ExecuteCommand: TAction;
StreamFormOut: TAction;
StreamFormIn: TAction;
ClearField: TAction;
ViewEvents: TAction;
PrevQuery: TAction;
NextQuery: TAction;
RefreshData: TAction;
ClearEventLog: TAction;
DisplayDetails: TAction;
HelpAbout: TAction;
UseClientCursor: TAction;
UseTableDirect: TAction;
UseShapeProvider: TAction;
AsyncConnect: TAction;
AsyncExecute: TAction;
AsyncFetch: TAction;
OpenProcedure: TAction;
MainMenu1: TMainMenu;
FileReopen: TMenuItem;
FileMenu: TMenuItem;
PopupMenu1: TPopupMenu;
ToolBar1: TToolBar;
ImageList1: TImageList;
OpenDialog: TOpenDialog;
SaveDialog: TSaveDialog;
StatusBar: TStatusBar;
AreaSelector: TPageControl;
DataPanel: TPanel;
FilterPage: TTabSheet;
LocatePage: TTabSheet;
IndexPath: TTabSheet;
FieldsPage: TTabSheet;
SourcePage: TTabSheet;
IndexList: TListBox;
NavigatorPanel: TPanel;
BlobCtrlPanel: TPanel;
GridPanel: TPanel;
DBNavigator1: TDBNavigator;
Filter: TEdit;
FindFirst: TButton;

TButton;
ParameterType: TComboBox;
ToolButton3: TToolButton;
MidasApplyUpdatesButton: TToolButton;
MidasApplyUpdates: TAction;
ADOButton: TRadioButton;
MidasButton: TRadioButton;
MidasCancelUpdates: TAction;
MidasCancelButton: TToolButton;
ApplyUpdatesMidas1: TMenuItem;
CancelUpdatesMidas1: TMenuItem;
N6: TMenuItem;
SQLParams: TRadioButton;
ProcParams: TRadioButton;
TestButton: TButton;
FieldSchemaGrid: TDBGrid;
FieldSchemaSource: TDataSource;
FieldSchema: TADODataset;
FieldSchemaCOLUMN_NAME: TWideStringField;
FieldSchemaDATA_TYPE: TWordField;
FieldSchemaNUMERIC_PRECISION: TWordField;
FieldSchemaCHARACTER_MAXIMUM_LENGTH: TIntegerField;
FieldSchemaNUMERIC_SCALE: TSmallintField;
EnableBCD: TAction;
EnableBCD1: TMenuItem;
DisconnectDataSet: TAction;
DisconnectDataSet1: TMenuItem;
DetailClientData: TClientDataSet;
FilterGroupBox: TRadioGroup;
BlobAsImage: TAction;
BlobfieldasImage1: TMenuItem;
LoadBlobFromFile: TAction;
LoadBlobfromfile1: TMenuItem;
IndexOptions: TGroupBox;
idxCaseInsensitive: TCheckBox;
idxDescending: TCheckBox;

DetailMasterSource: TDataSource;
DetailQuerySource: TDataSource;
CloseConnection: TAction;
Disconnect1: TMenuItem;
BatchUpdates1: TMenuItem;
CancelBatch1: TMenuItem;
BatchUpdateButton: TToolButton;
CancelBatchButton: TToolButton;
AsyncConnect1: TMenuItem;
AsyncExecute1: TMenuItem;
AsyncFetch1: TMenuItem;
ADOCCommand: TADOCCommand;
ProgressBar: TProgressBar;
MaxRecords: TAction;
MaxRecords1: TMenuItem;
DetailProcName: TComboBox;
DetailProc: TADOStoredProc;
ToolButton1: TToolButton;
OpenProcedure1: TMenuItem;
DetailProcSource: TDataSource;
EditCommandText: TSpeedButton;
ParamPage: TTabSheet;
ParameterList: TListBox;
ParameterName: TEdit;
ParameterValue: TEdit;
ParameterSize: TEdit;
ParameterNameLabel: TLabel;
ParameterScale: TEdit;
ParameterPrecision: TEdit;
PTypeLabel: TLabel;
PValueLabel: TLabel;
PSizeLabel: TLabel;
PScaleLabel: TLabel;
PPrecisionLabel: TLabel;
ParameterDirectionGroup: TRadioGroup;
ParamAttributes: TGroupBox;
PANullableCheckBox: TCheckBox;
PASignedCheckBox: TCheckBox;
PALongCheckBox: TCheckBox;
AddParameterButton: TButton;
RefreshParametersButton:

StreamFormInClick(Sender: TObject);	idxPrimary: TCheckBox;
<-----> procedure LoadFromFileExecute(Sender: TObject);	idxUnique: TCheckBox;
<-----> procedure SaveToFileExecute(Sender: TObject);	<-----> procedure FilterKeyPress(Sender: TObject; var Key: Char);
<-----> procedure EditActionsUpdate(Sender: TObject);	<-----> procedure FormCreate(Sender: TObject);
<-----> procedure FieldsPageShow(Sender: TObject);	<-----> procedure FormDestroy(Sender: TObject);
<-----> procedure OpenQueryExecute(Sender: TObject);	<-----> procedure MasterSQLKeyPress(Sender: TObject; var Key: Char);
<-----> procedure ExecSQLExecute(Sender: TObject);	<-----> procedure IndexListClick(Sender: TObject);
<-----> procedure OpenTableExecute(Sender: TObject);	<-----> procedure GridTitleClick(Column: TColumn);
<-----> procedure BatchUpdateExecute(Sender: TObject);	<-----> procedure LocateButtonClick(Sender: TObject);
<-----> procedure MasterTableNameDropDown(Sender: TObject);	<-----> procedure FindFirstClick(Sender: TObject);
<-----> procedure ConnectionStringClick(Sender: TObject);	<-----> procedure FilterExit(Sender: TObject);
<-----> procedure ConnectionStringKeyPress(Sender: TObject; var Key: Char);	<-----> procedure DataSourceDataChange(Sender: TObject; Field: TField);
<-----> procedure FilteredClick(Sender: TObject);	<-----> procedure DataSetAfterOpen(DataSet: TDataSet);
<-----> procedure FilterPageShow(Sender: TObject);	<-----> procedure LocateFieldDropDown(Sender: TObject);
<-----> procedure IndexPageShow(Sender: TObject);	<-----> procedure FindNextClick(Sender: TObject);
<-----> procedure ExitApplicationExecute(Sender: TObject);	<-----> procedure MasterTableNameClick(Sender: TObject);
<-----> procedure CloseActiveDataSetExecute(Sender: TObject);	<-----> procedure PopupMenu1Popup(Sender: TObject);
<-----> procedure FileActionsUpdate(Sender: TObject);	<-----> procedure FieldSelect(Sender: TObject);
<-----> procedure	<-----> procedure GridColEnter(Sender: TObject);
	<-----> procedure StreamFormOutClick(Sender: TObject);
	<-----> procedure

DataSetNewRecord(DataSet: TDataSet);	MasterTableNameKeyPress(Sender: TObject; var Key: Char);
<-----> procedure DataSetAfterPost(DataSet: TDataSet);	<-----> procedure DetailTableNameClick(Sender: TObject);
<-----> procedure DataSetAfterInsert(DataSet: TDataSet);	<-----> procedure MasterTableAfterOpen(DataSet: TDataSet);
<-----> procedure DataSetAfterEdit(DataSet: TDataSet);	<-----> procedure MasterTableBeforeClose(DataSet: TDataSet);
<-----> procedure DataSetAfterDelete(DataSet: TDataSet);	<-----> procedure GridSetFocus(Sender: TObject);
<-----> procedure DataSetAfterCancel(DataSet: TDataSet);	<-----> procedure LocatePageShow(Sender: TObject);
<-----> procedure MasterQueryAfterOpen(DataSet: TDataSet);	<-----> procedure LocateNullClick(Sender: TObject);
<-----> procedure MasterQueryBeforeClose(DataSet: TDataSet);	<-----> procedure DataSetAfterScroll(DataSet: TDataSet);
<-----> procedure CancelBatchExecute(Sender: TObject);	<-----> procedure DataSetBeforeCancel(DataSet: TDataSet);
<-----> procedure ClearFieldExecute(Sender: TObject);	<-----> procedure DataSetBeforeClose(DataSet: TDataSet);
<-----> procedure ViewEventsExecute(Sender: TObject);	<-----> procedure DataSetBeforeDelete(DataSet: TDataSet);
<-----> procedure DisplayDetailsExecute(Sender: TObject);	<-----> procedure DataSetBeforeEdit(DataSet: TDataSet);
<-----> procedure DataSourceStateChange(Sender: TObject);	<-----> procedure DataSetBeforeInsert(DataSet: TDataSet);
<-----> procedure DataSourceUpdateData(Sender: TObject);	<-----> procedure DataSetBeforePost(DataSet: TDataSet);
<-----> procedure RefreshDataExecute(Sender: TObject);	<-----> procedure DataSetBeforeScroll(DataSet: TDataSet);
<-----> procedure ClearEventLogExecute(Sender: TObject);	<-----> procedure DataSetCalcFields(DataSet: TDataSet);
<-----> procedure ClearEventLogUpdate(Sender: TObject);	<-----> procedure DataSetError(DataSet: TDataSet; E: EDatabaseError;
	var Action: TDataAction);
	<-----> procedure

<-----> procedure DetailQueryBeforeOpen(DataSet: TDataSet);
<-----> procedure MasterProcBeforeOpen(DataSet: TDataSet);
<-----> procedure UseShapeProviderExecute(Sender: TObject);
<-----> procedure OnFilterRecord(DataSet: TDataSet; var Accept: Boolean);
<-----> procedure BinaryGetText(Sender: TField; var Text: string; DisplayText: Boolean);
<-----> procedure BinarySetText(Sender: TField; const Text: string);
<-----> procedure ConnectionBeginTransComplete(Co nnection: TADOConnection; TransactionLevel: Integer; const Error: Error; var EventStatus: TEventStatus);
<-----> procedure ConnectionCommitTransComplete(Connection: TADOConnection; const Error: Error; var EventStatus: TEventStatus);
<-----> procedure ConnectionConnectComplete(Conne ction: TADOConnection; const Error: Error; var EventStatus: TEventStatus);
<-----> procedure ConnectionDisconnect(Connection: TADOConnection; var EventStatus: TEventStatus);
<-----> procedure ConnectionExecuteComplete(Conne ction: TADOConnection; RecordsAffected: Integer; const Error: Error; var EventStatus: TEventStatus; const Command: Command; const Recordset: Recordset);
<-----> procedure ConnectionInfoMessage(Connection

TObject);
<-----> procedure HelpAboutExecute(Sender: TObject);
<-----> procedure DataSetAfterClose(DataSet: TDataSet);
<-----> procedure FileMenuClick(Sender: TObject);
<-----> procedure ClosedFileClick(Sender: TObject);
<-----> procedure FormCloseQuery(Sender: TObject; var CanClose: Boolean);
<-----> procedure PrevQueryExecute(Sender: TObject);
<-----> procedure PrevQueryUpdate(Sender: TObject);
<-----> procedure NextQueryExecute(Sender: TObject);
<-----> procedure MasterTableAfterScroll(DataSet: TDataSet);
<-----> procedure MasterTableBeforeScroll(DataSet: TDataSet);
<-----> procedure RadioItemClick(Sender: TObject);
<-----> procedure DataSetBeforeOpen(DataSet: TDataSet);
<-----> procedure BooleanActionExecute(Sender: TObject);
<-----> procedure EditConnStrClick(Sender: TObject);
<-----> procedure MasterTableBeforeOpen(DataSet: TDataSet);
<-----> procedure DetailTableBeforeOpen(DataSet: TDataSet);
<-----> procedure MasterQueryBeforeOpen(DataSet: TDataSet);

TObject);
<-----> procedure ProcNameDropDown(Sender: TObject);
<-----> procedure MasterProcNameKeyPress(Sender: TObject; var Key: Char);
<-----> procedure MasterProcNameClick(Sender: TObject);
<-----> procedure DetailProcNameClick(Sender: TObject);
<-----> procedure OpenProcedureExecute(Sender: TObject);
<-----> procedure DetailProcBeforeOpen(DataSet: TDataSet);
<-----> procedure MasterProcAfterOpen(DataSet: TDataSet);
<-----> procedure EditCommandTextClick(Sender: TObject);
<-----> procedure ParamPageShow(Sender: TObject);
<-----> procedure RefreshParametersButtonClick(Sen der: TObject);
<-----> procedure ParameterListClick(Sender: TObject);
<-----> procedure AddParameterButtonClick(Sender: TObject);
<-----> procedure ParameterDataChange(Sender: TObject);
<-----> procedure MasterSQLChange(Sender: TObject);
<-----> procedure MidasApplyUpdatesExecute(Sender : TObject);
<-----> procedure ADOButtonClick(Sender: TObject);
<-----> procedure MidasButtonClick(Sender:

: TADOConnection;
const Error: Error; var EventStatus: TEventStatus);
<-----> procedure ConnectionRollbackTransComplete(Connection: TADOConnection;
const Error: Error; var EventStatus: TEventStatus);
<-----> procedure ConnectionWillConnect(Connection : TADOConnection;
var ConnectionString, UserID, Password: WideString;
var ConnectOptions: TConnectOption; var EventStatus: TEventStatus);
<-----> procedure ConnectionWillExecute(Connection: TADOConnection;
var CommandText: WideString; var CursorType: TCursorType;
var LockType: TADOLockType; var CommandType: TCommandType;
var ExecuteOptions: TExecuteOptions; var EventStatus: TEventStatus;
const Command: _Command; const Recordset: _Recordset);
<-----> procedure CloseConnectionExecute(Sender: TObject);
<-----> procedure DataSetFetchComplete(DataSet: TCustomADODataset;
const Error: Error; var EventStatus: TEventStatus);
<-----> procedure ExceptionHandler(Sender: TObject; E: Exception);
<-----> procedure ConnectionLogin(Sender: TObject; Username, Password: String);
<-----> procedure MasterGridColumnMoved(Sender: TObject; FromIndex, ToIndex: Integer);
<-----> procedure MaxRecordsExecute(Sender:

TCustomADODataset;
FActiveDataSource:
TDataSource;
FStatusMsg: string;
FClosedTables: TStringList;
FMasterQueries: TStringList;
FDetailQueries: TStringList;
FQueryIndex: Integer;
FModifiedParameter: Integer;
FMovingColumn: Boolean;
FParamSource: TParameters;
FLastDataFile: String;
FLastFormFile: String;
function GetConfigFile: TIniFile;
<-----> procedure RefreshIndexNames;
<-----> procedure SetActiveDataSet(Value: TDataSet);
<-----> procedure SetEventsVisible(Visible: Boolean);
<-----> procedure SetQueryText;
<-----> procedure SetStatusMsg(const Msg: string);
<-----> procedure ShowHeapStatus(Sender: TObject; var Done: Boolean);
<-----> procedure UpdateReOpenMenu;
<-----> procedure OnHint(Sender: TObject);
<-----> procedure ClearProgressBar;
<-----> procedure ShowProgressBar(const Msg: string);
<-----> procedure ProcessQuery(SelectQuery: Boolean);
<-----> procedure WriteParameterData;
<-----> procedure UpdateParameterList;
<-----> procedure ShowIndexParams;
<-----> procedure SetRecordSetEvents(Hook: Boolean; DataSet: TCustomADODataset);
function GetActiveDataSet:

TObject);
<-----> procedure MasterClientDataReconcileError(D ataSet: TCustomClientDataSet; E: EReconcileError; UpdateKind: TUpdateKind; var Action: TReconcileAction);
<-----> procedure MidasCancelUpdatesExecute(Sende r: TObject);
<-----> procedure ParameterSourceClick(Sender: TObject);
<-----> procedure FieldSchemaDATA_TYPEGetText(Sender: TField; var Text: String; DisplayText: Boolean);
<-----> procedure DisconnectDataSetExecute(Sender: TObject);
<-----> procedure FieldValidate(Sender: TField);
<-----> procedure TestButtonClick(Sender: TObject);
<-----> procedure DataSetFetchProgress(DataSet: TCustomADODataset; Progress, MaxProgress: Integer; var EventStatus: TEventStatus);
<-----> procedure FilterGroupBoxClick(Sender: TObject);
<-----> procedure BlobAsImageUpdate(Sender: TObject);
<-----> procedure BlobAsImageExecute(Sender: TObject);
<-----> procedure LoadBlobFromFileExecute(Sender: TObject);
<-----> procedure ToolBar1Click(Sender: TObject);
private
FConfig: TIniFile;
FMaxErrors: Integer;
FPacketRecs: Integer;
FActiveDataSet: TDataSet;
FADOSource:

begin	TDataSet;
F := CreateMessageDialog(' mtInformation, [mbCancel]);	public
F.Height := Screen.Height div 2;	<-----> procedure
F.Width := Screen.Width div 2;	BindControls(DataSet: TDataSet);
Button := F.Components[2] as TButton;	<-----> procedure
Button.Top := F.ClientHeight - Button.Height - 5;	CheckConnection(CloseFirst: Boolean = False);
Button.Left := (F.ClientWidth - Button.Width) div 2;	<-----> procedure
F.Caption := 'Properties';	OpenDataSet(Source: TCustomADODataset);
with TMemo.Create(F) do	<-----> procedure
begin	StreamSettings(Write: Boolean);
SetBounds(5, 5, F.ClientWidth-10, F.ClientHeight - 40);	<-----> procedure LogEvent(const EventStr: string; Component: TComponent = nil);
Parent := F;	<-----> procedure
for I := 0 to Props.Count - 1 do	RefreshParameters(Parameters: TParameters);
with Props[I] do	property StatusMsg: string read FStatusMsg write SetStatusMsg;
Lines.Add(Format('%-30s: %s', [Name, VarToStr(Value)]));	property ActiveDataSet: TDataSet read GetActiveDataSet write SetActiveDataSet;
end;	property ActiveDataSource: TDataSource read FActiveDataSource write FActiveDataSource;
F.ShowModal;	property ADOSource: TCustomADODataset read FADOSource write FADOSource;
end;	property ConfigFile: TIniFile read GetConfigFile;
{SR *.dfm}	end;
procedure	var
TADODBTest.FormCreate(Sender: TObject);	ADODBTest: TADODBTest;
procedure SetupControls;	implementation
var	uses
I: Integer;	OLEDB, DBLogDlg, AdoConEd, RecError;
begin	procedure ShowProperties(Props: Properties);
for I := 0 to StatusBar.Panels.Count - 1 do	var
StatusBar.Panels[I].Text := '';	I: Integer;
ProgressBar.Parent := StatusBar;	F: TForm;
ProgressBar.SetBounds(0, 2, StatusBar.Panels[0].Width, StatusBar.Height - 2);	Button: TButton;
{ Set these dynamically since the form may have been scaled }	
DataPanel.Constraints.MinWidth := DataPanel.Width;	
AreaSelector.Constraints.MinWidth	

Application.Terminate;
end;
procedure TADODDBTest.HelpAboutExecute(Sender: TObject);
begin
ShowMessage(Caption+#13#10+'Copyright (c) 1999-2002 Borland Corporation');
end;
procedure TADODDBTest.OnHint(Sender: TObject);
begin
if FindVCLWindow(Mouse.CursorPos) <> ConnectionString then
ConnectionString.Hint := ConnectionString.Text;
StatusMsg := Application.Hint;
end;
procedure TADODDBTest.ExceptionHandler(Sender: TObject; E: Exception);
begin
ClearProgressBar;
SysUtils.ShowException(ExceptObject, ExceptAddr);
end;
{ View Options }
procedure TADODDBTest.SetEventsVisible(Visible: Boolean);
var
EventsWidth: Integer;
begin
Constraints.MinWidth := 0;
if Events.Visible <> Visible then
begin
DataPanel.Anchors := DataPanel.Anchors - [akRight];
AreaSelector.Anchors :=

:= AreaSelector.Width;
Constraints.MinHeight := Height - (DataPanel.Height - DataPanel.Constraints.MinHeight);
SetEventsVisible(ViewEvents.Checked);
end;
begin
FMaxErrors := -1;
FPacketRecs := -1;
FModifiedParameter := -1;
ActiveDataSource := MasterDataSource;
SetCurrentDirectory(PChar(Extract FilePath(ParamStr(0))));
Application.OnIdle := ShowHeapStatus;
Application.OnHint := OnHint;
FClosedTables := TStringList.Create;
FMasterQueries := TStringList.Create;
FDetailQueries := TStringList.Create;
StreamSettings(False);
SetupControls;
ParameterSourceClick(Self);
end;
procedure TADODDBTest.FormDestroy(Sender: TObject);
begin
if Assigned(FConfig) then
StreamSettings(True);
FConfig.Free;
FDetailQueries.Free;
FMasterQueries.Free;
FClosedTables.Free;
end;
procedure TADODDBTest.ExitApplicationExecute(Sender: TObject);
begin

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```

begin
if FConfig = nil then
  FConfig :=
  TIniFile.Create(ChangeFileExt(ParamStr(0), '.INI'));
  Result := FConfig;
end;

procedure
TADODDBTest.StreamSettings(Write
: Boolean);

procedure WriteStr(const
OptName: string; Value: Variant);
begin
  FConfig.WriteString('Settings',
OptName, Value);
end;

procedure WriteBool(const
OptName: string; Value: Boolean);
begin
  FConfig.WriteBool('Settings',
OptName, Value);
end;

procedure WriteStrings(const
SectName: string; Values: TStrings);
var
  I: Integer;
begin
  FConfig.EraseSection(SectName);
  for I := 0 to Values.Count - 1 do
    FConfig.WriteString(SectName,
IntToStr(I), Values[I]);
  end;

function ReadStr(const OptName:
string): Variant;
begin
  Result :=
  FConfig.ReadString('Settings',
OptName, '');
end;

function ReadBool(const OptName:
string): Boolean;
begin

```

```

AreaSelector.Anchors - [akRight];
try
  EventsWidth := Events.Width +
5;
  Events.Visible := Visible;
  if not Visible then
    EventsWidth := -EventsWidth;
  ClientWidth := ClientWidth +
EventsWidth;
finally
  DataPanel.Anchors :=
DataPanel.Anchors + [akRight];
  AreaSelector.Anchors :=
AreaSelector.Anchors + [akRight];
end;
end;
if Visible then
  Constraints.MinWidth :=
DataPanel.Constraints.MinWidth +
Events.Width + 22 else
  Constraints.MinWidth :=
DataPanel.Constraints.MinWidth +
18;
end;

procedure
TADODDBTest.ViewEventsExecute(S
ender: TObject);
begin
  ViewEvents.Checked := not
ViewEvents.Checked;

SetEventsVisible(ViewEvents.Check
ed);
end;

procedure
TADODDBTest.DisplayDetailsExecut
e(Sender: TObject);
begin
  DisplayDetails.Checked := not
DisplayDetails.Checked;
end;

{ Settings }

function
TADODDBTest.GetConfigFile:
TIniFile;

```

```

with TEdit(Components[I]) do
  WriteStr(Name, Text)
else if Components[I] is
TComboBox then
  with
TDBComboBox(Components[I]) do
    WriteStr(Name, Text)
  else if Components[I] is
TCheckBox then
    with
TCheckBox(Components[I]) do
      WriteBool(Name, Checked)
  else if Components[I] is
TRadioButton then
    with
TRadioButton(Components[I]) do
      WriteBool(Name, Checked)
  else if Components[I] is TAction
then
    with TAction(Components[I])
do
      WriteBool(Name, Checked)
  else if Components[I] is
TPageControl then
    with
TPageControl(Components[I]) do
      WriteStr(Name,
ActivePage.Caption)
  else if Components[I] is
TMenuItem then
    with
TMenuItem(Components[I]) do
      for J := 0 to Count-1 do
        if Items[J].Checked then
          begin
            WriteStr(Name, J);
            System.Break;
          end;
        end
      end
    else
      begin
        for I := Low(Components) to
High(Components) do
          if Components[I] is
TCustomEdit then
            with TEdit(Components[I]) do
              Text := ReadStr(Name)
            else if Components[I] is

```

```

Result :=
FConfig.ReadBool('Settings',
OptName, False);
end;

procedure ReadStrings(const
SectName: string; Values: TStrings);
var
  I: Integer;
  S: string;
begin
  for I := 0 to 99 do
    begin
      S :=
FConfig.ReadString(SectName,
IntToStr(I), '');
      if S = '' then Break;
      Values.Add(S);
    end;
  end;

function FindPage(const
PageName: string): TTabSheet;
var
  I: Integer;
begin
  for I := AreaSelector.PageCount -
1 downto 0 do
    begin
      Result := AreaSelector.Pages[I];
      if Result.Caption = PageName
then Exit;
    end;
  Result := SourcePage;
end;

procedure
ProcessComponents(Components:
array of TComponent);
var
  I,J: Integer;
begin
  if Write then
    begin
      for I := Low(Components) to
High(Components) do
        if Components[I] is
TCustomEdit then

```

MasterProcName, DetailProcName, MasterSQL, DetailSQL, ViewEvents, DisplayDetails, UseClientCursor, UseTableDirect, UseShapeProvider, CursorTypeItem, LockTypeItem, AsyncConnect, AsyncExecute, AsyncFetch, MidasButton, ProcParams, EnableBCD)];
if Write then
begin
WriteStrings('ConnectionStrings', ConnectionString.Items);
WriteStrings('ClosedTables', FClosedTables);
WriteStrings('MasterQueries', FMasterQueries);
WriteStrings('DetailQueries', FDetailQueries);
FConfig.UpdateFile;
end else
begin
ReadStrings('ConnectionStrings', ConnectionString.Items);
ReadStrings('ClosedTables', FClosedTables);
ReadStrings('MasterQueries', FMasterQueries);
ReadStrings('DetailQueries', FDetailQueries);
end;
end;
procedure TADODBTest.RadioItemClick(Sender: TObject);
begin
(Sender as TMenuItem).Checked := True;
end;
procedure TADODBTest.BooleanActionExecute(Sender: TObject);
begin
TAction(Sender).Checked := not TAction(Sender).Checked;
end;

TComboBox then
with
TComboBox(Components[I]) do
Text := ReadStr(Name)
else if Components[I] is TCheckBox then
with
TCheckBox(Components[I]) do
Checked := ReadBool(Name)
else if Components[I] is TRadioButton then
with
TRadioButton(Components[I]) do
Checked := ReadBool(Name)
else if Components[I] is TAction then
with TAction(Components[I]) do
Checked := ReadBool(Name)
else if Components[I] is TPageControl then
with
TPageControl(Components[I]) do
ActivePage := FindPage(ReadStr(Name))
else if Components[I] is TMenuItem then
with
TMenuItem(Components[I]) do
Items[ReadStr(Name)].Checked := True;
end;
end;
begin
GetConfigFile;
if not Write and (ReadStr('AreaSelector') = '') then
begin
ConnectionString.Text := 'FILE NAME=' + DataLinkDir + '\DBDEMOS.UDL';
Exit;
end;
ProcessComponents([AreaSelector, ConnectionString, MasterTableName, DetailTableName,

```

StatusBar.Panels[3].Text :=
Msg+'...';
while ProgressBar.Visible do
begin
  ProgressBar.StepIt;
  Application.ProcessMessages;
  Sleep(ProgressBar.Position);
end;
end;

procedure
TADODDBTest.ClearProgressBar;
begin
  ProgressBar.Hide;
  ProgressBar.Position := 0;
  StatusBar.Panels[3].Text := '';
end;

procedure
TADODDBTest.DataSourceDataChan
ge(Sender: TObject;
Field: TField);
const
  StatusStrs: array[TUpdateStatus]
of string = ('Unmodified',
'Modified', 'Inserted', 'Deleted');
begin
  if (Sender = ActiveDataSource) and
Assigned(ActiveDataSource.DataSet
) and
ActiveDataSource.DataSet.IsSequen
ced then
begin
    with ActiveDataSource.DataSet do
begin
      if IsEmpty then
begin
        StatusBar.Panels[1].Text := '';
        StatusBar.Panels[3].Text :=
'(empty)';
end else
begin
          StatusBar.Panels[1].Text :=
StatusStrs[UpdateStatus];
          if (State = dsBrowse) and (Field
= nil) then
begin
            StatusBar.Panels[3].Text :=

```

```

procedure
TADODDBTest.UseShapeProviderEx
ecute(Sender: TObject);
begin
  BooleanActionExecute(Sender);
  Connection.Close;
end;

procedure
TADODDBTest.MaxRecordsExecute(
Sender: TObject);
var
  MaxRecs: string;
begin
  MaxRecs :=
IntToStr(MaxRecords.Tag);
  if InputQuery(Application.Title,
MaxRecords.Hint, MaxRecs) then
    MaxRecords.Tag :=
StrToInt(MaxRecs);
end;

{ Status Information }

procedure
TADODDBTest.ShowHeapStatus(Sen
der: TObject; var Done: Boolean);
begin
  Caption := Format('ADO DB
Controls Test Application -
(Blocks=%d Bytes=%d)',
[AllocMemCount,
AllocMemSize]);
end;

procedure
TADODDBTest.SetStatusMsg(const
Msg: string);
begin
  StatusBar.Panels[0].Text := Msg;
end;

procedure
TADODDBTest.ShowProgressBar(co
nst Msg: string);
begin
  ProgressBar.Show;

```

Field.Value) then
StatusMsg := Format('Original Value: %s', [VarToStr(V)]) else
StatusMsg := '';
end;
end;
begin
Field := (Sender as TDBGrid).SelectedField;
if Assigned(Field) then
begin
(Sender as TDBGrid).Hint := Field.ClassName;
StatusBar.Panels[0].Text := Field.ClassName;
StatusBar.Panels[2].Text := NullStr[Field.IsNull];
TrackBlobs;
if ActiveDataSet.UpdateStatus = usModified then
ShowOriginalValues;
end;
end;
{ Connection Operations }
procedure TADODBTest.CheckConnection(CloseFirst: Boolean);
const
ConnectOptionValues: array [Boolean] of TConnectOption = (coConnectUnspecified, coAsyncConnect);
var
ConnStr: string;
Index: Integer;
begin
if not CloseFirst and Connection.Connected then Exit;
Connection.Close;
MasterClientData.Close;
ConnStr := ConnectionString.Text;
Connection.ConnectionString := ConnStr;
Connection.ConnectOptions := ConnectOptionValues[AsyncConnec

Format('%d of %d', [RecNo, RecordCount]);
StatusMsg := '';
end;
end;
if ActiveControl is TDBGrid then
GridColEnter(TDBGrid(ActiveControl));
end;
end;
LogEvent('OnChange', Sender as TComponent);
end;
procedure TADODBTest.GridColEnter(Sender : TObject);
const
NullStr: array[Boolean] of string = ('', '[NULL]');
var
Field: TField;
procedure TrackBlobs;
begin
if Field.DataSet <> MasterDataSource.DataSet then Exit;
if (Field is TMemoField) and (Field <> DBMemo1.Field) then
DBMemo1.DataField := Field.FieldName
else if (Field is TGraphicField) and (Field <> DBImage1.Field) then
DBImage1.DataField := Field.FieldName;
end;
procedure ShowOriginalValues;
var
V: Variant;
begin
if Field.Dataset.CanModify then
begin
V := Field.OldValue;
if not VarIsNull(V) and (V <>

AC.&P

procedure TADODDBTest.ConnectionStringClick(Sender: TObject);
begin
if (ConnectionString.Text <> " and not ConnectionString.DroppedDown then
begin
CheckConnection(True);
MasterTableName.Items.Clear;
MasterTableName.Text := ";
DetailTableName.Items.Clear;
DetailTableName.Text := ";
MasterProcName.Items.Clear;
MasterProcName.Text := ";
DetailProcName.Items.Clear;
DetailProcName.Text := ";
end;
end;
procedure TADODDBTest.ConnectionStringKeyPress(Sender: TObject; var Key: Char);
begin
if Key = #13 then
begin
if ConnectionString.DroppedDown then
ConnectionString.DroppedDown := False;
ConnectionStringClick(Sender);
Key := #0;
end;
end;
procedure TADODDBTest.CloseConnectionExecute(Sender: TObject);
begin
Connection.Close;
end;
{ Common DataSet Operations }

t.Checked];
if UseShapeProvider.Checked then
Connection.Provider := 'MSDDataShape';
Index := ConnectionString.Items.IndexOf(ConnStr);
if Index > 0 then
ConnectionString.Items.Delete(Index);
if Index <> 0 then
begin
ConnectionString.Items.Insert(0, ConnStr);
while ConnectionString.Items.Count > 20 do
ConnectionString.Items.Delete(20);
end;
ConnectionString.ItemIndex := 0;
Application.ProcessMessages;
Connection.Open;
if AsyncConnect.Checked and (stConnecting in Connection.State) then
ShowProgressBar('Connecting');
// ShowProperties(Connection.Properties);
end;
procedure TADODDBTest.EditConnStrClick(Sender: TObject);
begin
Connection.Close;
Connection.ConnectionString := ConnectionString.Text;
if EditConnectionString(Connection) then
begin
ConnectionString.Text := Connection.ConnectionString;
ConnectionStringClick(Sender);
end;
end;

```

ADOSource.Connection := nil;
end;

function
TADODDBTest.GetActiveDataSet:
TDataSet;
begin
  if not Assigned(FActiveDataSet)
  then
    DatabaseError('No active
dataset');
    Result := FActiveDataSet;
end;

procedure
TADODDBTest.SetActiveDataSet(Val
ue: TDataSet);

function GetDetailDataSet:
TDataSet;
var
  I: Integer;
begin
  Result := nil;
  if (Value = MasterTable) and
DetailTable.Active then
    Result := DetailTable
  else if (Value = MasterQuery) and
DetailQuery.Active then
    Result := DetailQuery
  else if (Value = MasterProc) and
DetailProc.Active then
    Result := DetailProc
  else for I := 0 to
Value.Fields.Count - 1 do
    if Value.Fields[I] is
TDataSetField then
      begin
        Result :=
TDataSetField(Value.Fields[I]).Nest
edDataSet;
        Break;
      end;
    end;
  end;

begin
  StatusBar.Panels[2].Text := '';
  MasterDataSource.Enabled :=

```

```

procedure
TADODDBTest.OpenDataSet(Source:
TCustomADODDataSet);

procedure ShowFetchProgress;
begin
  while stFetching in
ADOSource.RecordSetState do
    begin
      with ADOSource do
        StatusBar.Panels[3].Text :=
Format('%d of %d', [RecNo,
RecordCount]);
        Application.ProcessMessages;
      end;
    end;
  begin
    ClearEventLog.Execute;
    Screen.Cursor := crHourGlass;
    try
      Source.Close;
      MasterClientData.Close;
      ADOSource :=
TCustomADODDataSet(Source);
      SetRecordSetEvents(UseClientCuro
sr.Checked, ADOSource);
      Provider.DataSet := ADOSource;
      if MidasButton.Checked then
ActiveDataSet := MasterClientData
else
        begin
          ActiveDataSet := Source;
          ShowFetchProgress;
        end;
        if MasterGrid.Visible then
MasterGrid.SetFocus;
        finally
          Screen.Cursor := crDefault;
        end;
        StreamSettings(True);
      end;
    end;

procedure
TADODDBTest.DisconnectDataSetEx
ecute(Sender: TObject);
begin

```

```

if Connection = nil then
  Connection := Self.Connection;
  CheckConnection(False);
  if UseClientCursor.Checked then
    CursorLocation := clUseClient
  else
    CursorLocation := clUseServer;
  for I := 0 to
  CursorTypeItem.Count - 1 do
    if
    CursorTypeItem.Items[I].Checked
    then
      begin
        CursorType := TCursortype(I);
        Break;
      end;
    for I := 0 to LockTypeItem.Count
    - 1 do
      if
      LockTypeItem.Items[I].Checked
      then
        begin
          LockType := TADOLocktype(I);
          Break;
        end;
      ExecuteOptions := [];
      if AsyncExecute.Checked then
        ExecuteOptions :=
        [eoAsyncExecute];
      if AsyncFetch.Checked then
        ExecuteOptions :=
        ExecuteOptions +
        [eoAsyncFetchNonBlocking];
      MaxRecords :=
      Self.MaxRecords.Tag;
      EnableBCD :=
      Self.EnableBCD.Checked;
    end;
    LogEvent('BeforeOpen', DataSet);
  end;

  procedure
  TADODDBTest.DataSetAfterOpen(D
  ataSet: TDataSet);
  begin
    ClearProgressBar;
  //
  ShowProperties(ADOSource.Record

```

```

False;
DetailDataSource.Enabled := False;
try
  MasterGrid.DataSource := nil;
  FActiveDataSet := Value;
  DetailDataSource.DataSet := nil;
  MasterDataSource.DataSet :=
  Value;
  if Assigned(Value) then
    begin
      Value.Open;
      if AsyncExecute.Checked and
      (Value.State = dsOpening) then
        ShowProgressBar('Executing');
      if DisplayDetails.Checked then
        DetailDataSource.DataSet :=
        GetDetailDataSet;
    end;
    BindControls(Value);
  finally
    MasterDataSource.Enabled :=
    True;
    DetailDataSource.Enabled :=
    True;
  end;
  if Assigned(Value) then
    begin
      Update;
      StatusMsg := 'ActiveDataSet is ' +
      Value.Name;
      if
      Assigned(AreaSelector.ActivePage.O
      nShow) then
        AreaSelector.ActivePage.OnShow(ni
        l);
    end;
  end;

  procedure
  TADODDBTest.DataSetBeforeOpen(
  DataSet: TDataSet);
  var
  I: Integer;
  begin
    with DataSet as
    TCustomADODDataSet do
      begin

```


end;
end;
procedure TADODDBTest.MasterTableNameKey Press(Sender: TObject; var Key: Char);
begin
if Key = #13 then
begin
with Sender as TComboBox do
if DroppedDown then
DroppedDown := False;
OpenTable.Execute;
Key := #0;
end;
end;
procedure TADODDBTest.MasterTableNameCli ck(Sender: TObject);
begin
with Sender as TComboBox do
if not DroppedDown then
begin
DetailTableName.Text := '';
OpenTable.Execute;
end;
end;
procedure TADODDBTest.DetailTableNameClic k(Sender: TObject);
begin
with Sender as TComboBox do
if not DroppedDown and (DetailTable.TableName <> Text) then
OpenTable.Execute;
end;
procedure TADODDBTest.UpdateReOpenMenu;
var
I: Integer;
begin
while FileReOpen.Count > 0 do
FileReOpen.Items[0].Free;

Set.Fields[0].Properties);
LogEvent('AfterOpen', DataSet);
end;
procedure TADODDBTest.DataSetAfterClose(D ataSet: TDataSet);
begin
LogEvent('AfterClose', DataSet);
if DataSet = FActiveDataSet then
FActiveDataSet := nil;
if DataSet = ADOSource then
FilterGroupBox.ItemIndex := -1;
end;
procedure TADODDBTest.DataSetFetchComple te(DataSet: TCustomADODataset;
const Error: Error; var EventStatus: TEventStatus);
begin
LogEvent('FetchComplete', DataSet);
end;
procedure TADODDBTest.FormCloseQuery(Sen der: TObject;
var CanClose: Boolean);
begin
CloseActiveDataSet.Execute;
end;
{ Table Operations }
procedure TADODDBTest.MasterTableNameDr opDown(Sender: TObject);
begin
try
CheckConnection(False);
with Sender as TComboBox do
if Items.Count < 1 then
Connection.GetTableNames(Items);
except
{ Eat any exceptions so the combobox doesn't paint funny }

procedure TADODDBTest.CloseActiveDataSetE xecute(Sender: TObject);
begin
ActiveDataSet.Close;
end;
procedure TADODDBTest.MasterTableBeforeO pen(DataSet: TDataSet);
begin
DataSetBeforeOpen(DataSet);
MasterTable.TableDirect := UseTableDirect.Checked;
MasterTable.TableName := MasterTableName.Text;
DetailTable.MasterSource := nil;
end;
procedure TADODDBTest.DetailTableBeforeOp en(DataSet: TDataSet);
begin
DataSetBeforeOpen(DataSet);
DetailTable.TableDirect := UseTableDirect.Checked;
DetailTable.TableName := DetailTableName.Text;
end;
procedure TADODDBTest.MasterTableAfterOp en(DataSet: TDataSet);
var
I: Integer;
Field: TField;
MasterFields: string;
begin
if DetailTableName.Text <> '' then
begin
DetailTable.Open;
if MasterTableName.Text = DetailTableName.Text then
MasterFields := MasterTable.Fields[0].FieldName+' '
else

for I := 0 to FClosedTables.Count - 1 do
FileReOpen.Add(NewItem(Format('' %d) %s', [I, FClosedTables[I]]), 0, False, True, ClosedFileClick, 0, ''));
end;
procedure TADODDBTest.ClosedFileClick(Send er: TObject);
var
S: string;
Index, P, P2: Integer;
begin
S := Copy(TMenuItem(Sender).Caption, 5, MAXINT);
P := Pos(':', S);
P2 := Pos('/', S);
if P2 > 0 then
DetailTableName.Text := Copy(S, P2+1, MAXINT) else
begin
DetailTableName.Text := '';
P2 := MAXINT;
end;
MasterTableName.Text := Copy(S, P+1, P2-P-1);
Index := FClosedTables.IndexOf(S);
if Index > -1 then
FClosedTables.Delete(Index);
OpenTable.Execute;
end;
procedure TADODDBTest.OpenTableExecute(S ender: TObject);
begin
if MasterTableName.Text <> '' then
begin
MasterTable.Close;
OpenDataSet(MasterTable);
end;
end;

MasterTable.TableName;
if DetailTable.Active then
begin
TableEntry := TableEntry + '/' +
DetailTable.TableName;
DetailTable.Close;
end;
if
FClosedTables.IndexOf(TableEntry)
= -1 then
begin
FClosedTables.Insert(0,
TableEntry);
if FClosedTables.Count > 9 then
FClosedTables.Delete(9);
end;
end;
end;
begin
UpdateClosedTables;
DetailTable.Close;
DataSetBeforeClose(Dataset);
end;
{ Query Operations }
procedure
TADODDBTest.ProcessQuery(Select
Query: Boolean);
procedure UpdateQueryHistory;
var
DSQL: string;
begin
if
FMasterQueries.IndexOf(MasterSQ
L.Text) <> -1 then Exit;
FMasterQueries.Add(MasterSQL.T
ext);
DSQL := DetailSQL.Text;
if DSQL = '' then DSQL :=
'(empty)';
FDetailQueries.Insert(0, DSQL);
if FMasterQueries.Count > 9 then
begin
FMasterQueries.Delete(0);
FDetailQueries.Delete(0);

for I := 0 to
DetailTable.Fields.Count - 1 do
begin
Field :=
MasterTable.FindField(DetailTable.
Fields[I].FieldName);
if Field <> nil then
begin
if
DetailTable.IndexDefs.GetIndexFor
Fields(MasterFields +
Field.FieldName, False) <> nil then
MasterFields := MasterFields
+ Field.FieldName + ';';
end;
end;
if MasterFields = '' then
DatabaseError('Cannot
determine linking fields for detail');
SetLength(MasterFields,
Length(MasterFields)-1);
DetailTable.IndexFieldNames :=
MasterFields;
DetailTable.MasterFields :=
MasterFields;
DetailTable.MasterSource :=
DetailMasterSource;
end;
DataSetAfterOpen(DataSet);
end;
procedure
TADODDBTest.FileMenuClick(Sende
r: TObject);
begin
UpdateReOpenMenu;
FileReOpen.Enabled :=
FClosedTables.Count > 0;
end;
procedure
TADODDBTest.MasterTableBeforeCl
ose(DataSet: TDataSet);
procedure UpdateClosedTables;
var
TableEntry: string;
begin
TableEntry :=

```

end;

procedure
TADODDBTest.ExecSQLExecute(Sen
der: TObject);
begin
  ProcessQuery(False);
end;

procedure
TADODDBTest.OpenQueryExecute(S
ender: TObject);
begin
  ProcessQuery(True);
end;

procedure
TADODDBTest.PrevQueryUpdate(Se
nder: TObject);
begin
  PrevQuery.Enabled :=
FQueryIndex <
(FMasterQueries.Count - 1);
end;

procedure
TADODDBTest.PrevQueryExecute(Se
nder: TObject);
begin
  Assert(FQueryIndex <
(FMasterQueries.Count - 1));
  Inc(FQueryIndex);
  SetQueryText;
end;

procedure
TADODDBTest.NextQueryExecute(Se
nder: TObject);
begin
  if FQueryIndex > -1 then
    Dec(FQueryIndex);
    SetQueryText;
  end;

procedure
TADODDBTest.MasterSQLKeyPress(
Sender: TObject; var Key: Char);
begin

```

```

end;
end;

var
RecordsAffected: Integer;
begin
  CheckConnection(False);
  if SelectQuery then
    begin
      MasterQuery.Close;
      MasterQuery.SQL.Text :=
MasterSQL.Text;
      WriteParameterData;
      OpenDataSet(MasterQuery)
    end else
      begin
        if SQLParams.Checked then
          begin
            ADOCommand.CommandType
:= cmdText;
            ADOCommand.CommandText
:= MasterSQL.Text;
          end else
            begin
              ADOCommand.CommandType
:= cmdStoredProc;
              ADOCommand.CommandText
:= MasterProcName.Text;
            end;
            if ParameterList.Items.Count > 0
then
              begin
                WriteParameterData;

ADOCommand.Parameters.Assign(
FParamSource);
              end;

ADOCommand.Execute(RecordsAff
ected, EmptyParam);
              StatusMsg := Format('%d rows
were affected', [RecordsAffected]);
              if ProcParams.Checked then

MasterProc.Parameters.Assign(AD
OCommand.Parameters);
            end;
            UpdateQueryHistory;

```

MasterSQL.Text;	if Key = #13 then
end;	begin
procedure	OpenQuery.Execute;
TADODDBTest.DetailQueryBeforeOpen(DataSet: TDataSet);	Key := #0;
begin	end;
DataSetBeforeOpen(DataSet);	end;
DetailQuery.SQL.Text :=	procedure
DetailSQL.Text;	TADODDBTest.SetQueryText;
DetailQuerySource.Dataset :=	var
MasterQuery;	DSQL: string;
if DetailQuery.Parameters.Count =	begin
0 then	if FQueryIndex > -1 then
RefreshParameters(DetailQuery.Parameters);	begin
end;	MasterSQL.Text :=
procedure	FMasterQueries[FQueryIndex];
TADODDBTest.MasterQueryAfterOpen(DataSet: TDataSet);	DSQL :=
begin	FDetailQueries[FQueryIndex];
if Trim(DetailSQL.Text) <> '' then	if DSQL = '(empty)' then DSQL :=
DetailQuery.Open else	'';
DetailQuerySource.Dataset := nil;	DetailSQL.Text := DSQL;
DataSetAfterOpen(DataSet);	end else
end;	begin
procedure	MasterSQL.Text := '';
TADODDBTest.MasterQueryBeforeClose(DataSet: TDataSet);	DetailSQL.Text := '';
begin	end;
DetailQuery.Close;	end;
DataSetBeforeClose(DataSet);	procedure
end;	TADODDBTest.EditCommandTextClick(Sender: TObject);
{ Stored Procedures }	var
procedure	Command: string;
TADODDBTest.MasterProcBeforeOpen(DataSet: TDataSet);	begin
begin	CheckConnection(False);
DataSetBeforeOpen(DataSet);	Command := MasterSQL.Text;
MasterProc.ProcedureName :=	if EditSQL(Command,
MasterProcName.Text;	Connection.GetTableNames,
WriteParameterData;	Connection.GetFieldNames) then
end;	MasterSQL.Text := Command;
procedure	end;
TADODDBTest.MasterQueryBeforeOpen(DataSet: TDataSet);	procedure
begin	TADODDBTest.MasterQueryBeforeOpen(DataSet: TDataSet);
DataSetBeforeOpen(DataSet);	begin
MasterProc.ProcedureName :=	DataSetBeforeOpen(DataSet);
MasterProcName.Text;	MasterQuery.SQL.Text :=
WriteParameterData;	
end;	

var Key: Char);
begin
if Key = #13 then
begin
with Sender as TComboBox do
if DroppedDown then
DroppedDown := False;
Key := #0;
end;
end;
procedure
TADODDBTest.MasterProcNameClick(Sender: TObject);
begin
with Sender as TComboBox do
if not DroppedDown then
DetailProcName.Text := '';
end;
procedure
TADODDBTest.DetailProcNameClick(Sender: TObject);
begin
end;
{ Packet Save/Load }
procedure
TADODDBTest.LoadFromFileExecute(Sender: TObject);
begin
OpenDialog.FilterIndex := 1;
OpenDialog.FileName :=
FLastDataFile;
if OpenDialog.Execute then
begin
ADODDataSet.LoadFromFile(OpenDialog.FileName);
FLastDataFile :=
OpenDialog.FileName;
ActiveDataSet := ADODDataSet;
ADOSource := ADODDataSet;
end;
end;

procedure
TADODDBTest.MasterProcAfterOpen(DataSet: TDataSet);
begin
if DetailProcName.Text <> '' then
DetailProc.Open;
DataSetAfterOpen(DataSet);
end;
procedure
TADODDBTest.DetailProcBeforeOpen(DataSet: TDataSet);
begin
DataSetBeforeOpen(DataSet);
DetailProc.ProcedureName :=
DetailProcName.Text;
RefreshParameters(DetailProc.Parameters);
end;
procedure
TADODDBTest.OpenProcedureExecute(Sender: TObject);
begin
if MasterProcName.Text <> '' then
begin
MasterProc.Close;
OpenDataSet(MasterProc);
end;
end;
procedure
TADODDBTest.ProcNameDropDown(Sender: TObject);
begin
CheckConnection(False);
with Sender as TComboBox do
if Items.Count < 1 then
Connection.GetProcedureNames(Items);
end;
procedure
TADODDBTest.MasterProcNameKeyPress(Sender: TObject);

end;
procedure TADODDBTest.StreamFormInClick(Sender: TObject);
var Form: TADODDBTest;
begin OpenDialog.FilterIndex := 2; OpenDialog.FileName := FLastFormFile; if OpenDialog.Execute then begin Form := TADODDBTest.CreateNew(Applicati on, 0); ReadComponentResFile(OpenDialo g.FileName, Form); FLastFormFile := OpenDialog.FileName; Form.FormCreate(Form); end; end;
{ DB Control Linking }
procedure TADODDBTest.BindControls(DataSe t: TDataSet);
procedure DeletedBEditControls;
var I: Integer;
begin with DBEditScroller do for I := ComponentCount - 1 downto 0 do if (Components[I] is TDBEdit) or (Components[I] is TLabel) then Components[I].Free; end;
procedure SetDisplayType(ForwardOnly: Boolean);
begin if ForwardOnly then

procedure TADODDBTest.SaveToFileExecute(S ender: TObject);
begin SaveDialog.FilterIndex := 1; SaveDialog.FileName := FLastDataFile; if SaveDialog.Execute then begin ADOSource.SaveToFile(SaveDialog. FileName, pfADTG); FLastDataFile := SaveDialog.FileName; end; end;
procedure TADODDBTest.FileActionsUpdate(Se nder: TObject);
begin SaveToFile.Enabled := Assigned(FActiveDataSet) and ActiveDataSet.Active; CloseActiveDataSet.Enabled := SaveToFile.Enabled; DisconnectDataset.Enabled := SaveToFile.Enabled; CloseConnection.Enabled := Connection.Connected; end;
{ Streaming }
procedure TADODDBTest.StreamFormOutClick (Sender: TObject);
begin SaveDialog.FilterIndex := 2; SaveDialog.FileName := FLastFormFile; if SaveDialog.Execute then begin WriteComponentResFile(SaveDialog .FileName, Self); FLastFormFile := SaveDialog.FileName; end;

begin
AutoSize := False;
Alignment := taRightJustify;
Left := 3;
Top := LabelTop;
Width := 59;
Parent := DBEditScroller;
Caption := F.DisplayLabel+'!';
end;
end;
var
I: Integer;
Field: TField;
begin
DBMemo1.DataField := '';
DBImage1.DataField := '';
DetailGrid.Visible := False;
GridSplitter.Visible := False;
BlobCtrlPanel.Visible := False;
DBImage1.Visible := False;
DBMemo1.Visible := False;
ReadOnlyLabel.Visible := False;
if Assigned(DataSet) and DataSet.Active then
begin
SetDisplayType((DataSet is TCustomADODataset) and not TCustomADODataset(DataSet).Supports([coBookmark, coMovePrevious]));
for I := 0 to DataSet.FieldCount - 1 do
begin
Field := DataSet.Fields[I];
Field.OnValidate := FieldValidate;
case Field.DataType of
ftMemo:
if DBMemo1.DataField = '' then
begin
DBMemo1.DataField := Field.FieldName;
DBMemo1.Visible := True;
end;
ftGraphic:

begin
MasterGrid.Visible := False;
MasterGrid.DataSource := nil;
DBEditScroller.Height := GridPanel.Height;
DBEditScroller.HorzScrollBar.Position := 0;
DBEditScroller.VertScrollBar.Position := 0;
DBNavigator1.VisibleButtons := [nbNext, nbInsert, nbDelete, nbEdit, nbPost, nbCancel, nbRefresh];
end else
begin
MasterGrid.Visible := True;
MasterGrid.DataSource := MasterDataSource;
DBEditScroller.Height := 0;
DBNavigator1.VisibleButtons := [nbFirst, nbPrior, nbNext, nbLast, nbInsert, nbDelete, nbEdit, nbPost, nbCancel, nbRefresh];
end;
end;
procedure CreateDBEdit(F: TField);
var
LabelTop: Integer;
begin
with TDBEdit.Create(DBEditScroller) do
begin
Left := 65;
Top := (F.FieldNo - 1) * (Height + 5) + 5;
LabelTop := Top + 3;
Width := F.DisplayWidth * Canvas.TextWidth('0');
Parent := DBEditScroller;
DataSource := MasterDataSource;
DataField := F.FieldName;
end;
with TLabel.Create(DBEditScroller) do


```

: TObject);
begin
  if not Assigned(FActiveDataSet)
  then Exit;
  ActiveDataSource := (Sender as
  TDBGrid).DataSource;
  DBNavigator1.DataSource :=
  ActiveDataSource;

  DataSourceDataChange(ActiveData
  Source, nil);
end;

procedure
TADODBTest.PopupMenu1Popup(S
ender: TObject);
var
  I: Integer;
  MI: TMenuItem;
  F, CurField: TField;
begin
  with PopupMenu1, ActiveDataSet
  do
  begin
    if PopupMenu1.PopupComponent
    = DBMemo1 then
      CurField := DBMemo1.Field else
      CurField := DBImage1.Field;
    while Items.Count > 0 do
      Items.Delete(0);
    MI :=NewItem('(None)', 0, False,
    True, FieldSelect, 0, 'None');
    Items.Add(MI);
    for I := 0 to FieldCount - 1 do
      if Fields[I] is TBlobField then
        begin
          F := Fields[I];
          MI :=NewItem(F.FieldName, 0,
          F=CurField, True, FieldSelect, 0,
          'mi'+F.FieldName);
          MI.Tag := Integer(F);
          Items.Add(MI);
        end;
      end;
    end;
  end;
end;

procedure
TADODBTest.FieldSelect(Sender:

```

```

  if DBImage1.DataField = ''
  then
  begin
    DBImage1.DataField :=
    DataSet.Fields[I].FieldName;
    DBImage1.Visible := True;
  end;
  ftDataSet, ftReference:
  if DisplayDetails.Checked and
  (DetailDataSource.DataSet = nil)
  then
  begin
    DetailDataSource.DataSet :=
    TDataSetField(DataSet.Fields[I]).Ne
    stedDataSet;
  end;
  ftBytes, ftVarBytes:
  begin
    Field.OnGetText :=
    BinaryGetText;
    Field.OnSetText :=
    BinarySetText;
    Field.DisplayWidth :=
    (Field.Size + 3);
  end;
  else
  if not MasterGrid.Visible then
    CreateDBEdit(Field);
  end;
  end;
  BlobCtrlPanel.Visible :=
  DBMemo1.Visible or
  DBImage1.Visible;
  ReadOnlyLabel.Visible := not
  DataSet.CanModify;
  if
  Assigned(DetailDataSource.DataSet)
  then
  begin
    GridSplitter.Visible := True;
    DetailGrid.Visible := True;
  end;
  end else
  DeleteDBEditControls;
end;

procedure
TADODBTest.GridSetFocus(Sender

```

MidasApplyUpdates.Enabled := MasterClientData.Active and
((MasterClientData.ChangeCount > 0) or (MasterClientData.State in dsEditModes));
MidasCancelUpdates.Enabled := MidasApplyUpdates.Enabled;
LoadBlobFromFile.Enabled := Enabled and
(MasterGrid.SelectedField is TBlobField);
end;
procedure
TADODBTest.BatchUpdateExecute(Sender: TObject);
begin
if ADOSource.Connection = nil
then
begin
CheckConnection(False);
ADOSource.Connection := Connection;
end;
ADOSource.UpdateBatch;
end;
procedure
TADODBTest.CancelBatchExecute(Sender: TObject);
begin
ADOSource.CancelUpdates;
end;
procedure
TADODBTest.ClearFieldExecute(Sender: TObject);
var
Field: TField;
begin
Field := MasterGrid.SelectedField;
if Field = nil then Exit;
ActiveDataSet.Edit;
Field.Clear;
end;
procedure
TADODBTest.RefreshDataExecute(Sender: TObject);

TObject);
var
MI: TMenuItem;
begin
MI := TMenuItem(Sender);
if PopupMenu1.PopupComponent = DBImage1 then
try
if MI.Tag = 0 then
DBImage1.DataField := '' else
DBImage1.DataField :=
TField(MI.Tag).FieldName;
except
DBImage1.DataField := '';
raise;
end
else if
PopupMenu1.PopupComponent = DBMemo1 then
try
if MI.Tag = 0 then
DBMemo1.DataField := '' else
DBMemo1.DataField :=
TField(MI.Tag).FieldName;
except
DBMemo1.DataField := '';
raise;
end;
end;
{ Editing / Updates }
procedure
TADODBTest.EditActionsUpdate(Sender: TObject);
var
Enabled: Boolean;
begin
Enabled :=
Assigned(FActiveDataSet);
BatchUpdate.Enabled :=
Assigned(ADOSource) and
(ADOSource.LockType =
ltBatchOptimistic);
CancelBatch.Enabled :=
BatchUpdate.Enabled;
ClearField.Enabled := Enabled;
RefreshData.Enabled := Enabled;

TBlobField(MasterGrid.SelectedField).LoadFromFile(OpenDialog.FileName);	begin
end;	ActiveDataSet.Refresh;
{ Indexes }	end;
procedure TADODDBTest.IndexPageShow(Sender: TObject);	procedure TADODDBTest.BinaryGetText(Sender: TField; var Text: string; DisplayText: Boolean);
begin	begin
if not (Assigned(ActiveDataSource) and Assigned(ActiveDataSource.DataSet)) then Exit;	Text := Sender.AsString;
RefreshIndexNames;	end;
end;	procedure TADODDBTest.BinarySetText(Sender: TField; const Text: string);
procedure TADODDBTest.RefreshIndexNames;	begin
var	Sender.AsString := Text;
I: Integer;	end;
IndexDefs: TIndexDefs;	procedure TADODDBTest.BlobAsImageUpdate(Sender: TObject);
begin	begin
IndexList.Clear;	BlobAsImage.Enabled := Assigned(ActiveDataSource.DataSet) and ActiveDataSource.DataSet.Active and (MasterGrid.SelectedField is TBlobField);
if ActiveDataSet = MasterClientData then	end;
IndexDefs := MasterClientData.IndexDefs else	procedure TADODDBTest.BlobAsImageExecute(Sender: TObject);
if ADOSource is TADOTable then	begin
IndexDefs := TADOTable(ADOSource).IndexDefs else	BlobCtrlPanel.Visible := True;
if ADOSource is TADODataset then	DBImage1.Visible := True;
then	DBImage1.DataField := MasterGrid.SelectedField.FieldName;
IndexDefs := TADODataset(ADOSource).IndexDefs	end;
else	procedure TADODDBTest.LoadBlobFromFileExecute(Sender: TObject);
Exit;	begin
IndexDefs.Update;	OpenDialog.FilterIndex := 3;
for I := 0 to IndexDefs.Count - 1 do	if OpenDialog.Execute then
if IndexDefs[I].Name = " then	
IndexList.Items.Add('<primary>')	
else	
IndexList.Items.Add(IndexDefs[I].Name)	

```

end;

procedure
TADODBTest.IndexListClick(Sende
r: TObject);
begin
  ShowIndexParams;
  if ActiveDataSet is TADOTable
  then
    with TADOTable(ActiveDataSet)
    do
      begin
        try
          { Only Jet 4 supports setting
          indexname while open }
          MasterTable.IndexName :=
          IndexList.Items[IndexList.ItemInde
          x];
        except
          Close;
          MasterTable.IndexName :=
          IndexList.Items[IndexList.ItemInde
          x];
          OpenTableExecute(nil);
        end;
      end;
    end;
  end;

procedure
TADODBTest.GridTitleClick(Colu
mn: TColumn);
var
  DataSet: TDataSet;
begin
  if not FMovingColumn then
    begin
      DataSet := Column.Field.DataSet;
      if DataSet is
      TCustomADODDataSet then
        with
        TCustomADODDataSet(DataSet) do
          begin
            if (Pos(Column.Field.FieldName,
            Sort) = 1) and (Pos(' DESC', Sort) =
            0) then
              Sort :=
              Column.Field.FieldName + ' DESC'
            else
              Sort :=

```

```

ame);
  if IndexList.Items.Count > 0 then
    begin
      if (ADOSource = MasterTable)
      and
      (IndexList.Items.IndexOf(MasterTa
      ble.IndexName) > 0) then
        IndexList.ItemIndex :=
        IndexList.Items.IndexOf(MasterTab
        le.IndexName) else
          IndexList.ItemIndex := 0;
          ShowIndexParams;
        end;
      end;
    end;

procedure
TADODBTest.ShowIndexParams;
var
  IndexDef: TIndexDef;
begin
  if ActiveDataSource.DataSet is
  TADOTable then
    IndexDef :=
    TADOTable(ActiveDataSource.Data
    Set).IndexDefs[IndexList.ItemIndex]
  else
    if ActiveDataSource.DataSet is
    TADODDataSet then
      IndexDef :=
      TADODDataSet(ActiveDataSource.Da
      taSet).IndexDefs[IndexList.ItemInde
      x]
    else
      Exit;
      idxCaseInsensitive.Checked :=
      ixCaseInsensitive in
      IndexDef.Options;
      idxDescending.Checked :=
      ixDescending in IndexDef.Options;
      idxUnique.Checked := ixUnique in
      IndexDef.Options;
      idxPrimary.Checked := ixPrimary
      in IndexDef.Options;
      IndexFields.Text :=
      IndexDef.Fields;
      DescFields.Text :=
      IndexDef.DescFields;
      CaseInsFields.Text :=
      IndexDef.CaseInsFields;

```

Format('%s=%s%s%1:s', [Field.FullName, QuoteChar, LocValue]);
end;
end;
procedure TADODDBTest.FilterKeyPress(Sende r: TObject; var Key: Char);
begin
FilterGroupBox.ItemIndex := -1;
if Key = #13 then
FilteredClick(Sender);
end;
procedure TADODDBTest.FilterExit(Sender: TObject);
begin
if Assigned(FActiveDataSet) then
ActiveDataSet.Filter :=
Filter.Text;
end;
procedure TADODDBTest.FilteredClick(Sender: TObject);
begin
if Filtered.Checked then
ActiveDataSet.Filter :=
Filter.Text;
ActiveDataSet.Filtered :=
Filtered.Checked;
end;
procedure TADODDBTest.FindFirstClick(Sende r: TObject);
begin
ActiveDataSet.Filter := Filter.Text;
ActiveDataSet.FindFirst;
end;
procedure TADODDBTest.FindNextClick(Sende r: TObject);
begin
if ActiveDataSet.Filter <>
Filter.Text then

Column.Field.FieldName + ' ASC';
StatusMsg := 'Sorted on '+Sort;
end;
end;
FMovingColumn := False;
end;
procedure TADODDBTest.MasterGridColumn Moved(Sender: TObject; FromIndex, ToIndex: Integer);
begin
FMovingColumn := True;
end;
{ Filters }
procedure TADODDBTest.FilterPageShow(Send er: TObject);
var
Field: TField;
LocValue,
QuoteChar: string;
begin
if (Filter.Text = '') and
Assigned(FActiveDataSet) and
ActiveDataSet.Active then
begin
Field :=
MasterGrid.SelectedField;
if Field = nil then Exit;
with ActiveDataSet do
try
DisableControls;
MoveBy(3);
LocValue :=
VarToStr(Field.Value);
First;
finally
EnableControls;
end;
if Field.DataType in [ftString, ftMemo, ftFixedChar] then
QuoteChar := ''' else
QuoteChar := '';
Filter.Text :=

```

Field.FieldName;
with ActiveDataSet do
try
DisableControls;
MoveBy(3);
LocateEdit.Text :=
VarToStr(Field.Value);
First;
finally
EnableControls;
end;
end;
end;

procedure
TADODDBTest.LocateFieldDropDow
n(Sender: TObject);
begin

ActiveDataSet.GetFieldNames(Locat
eField.Items);
end;

procedure
TADODDBTest.LocateButtonClick(Se
nder: TObject);

function LocateValue: Variant;
var
I: Integer;
Values: TStringList;
begin
if LocateNull.Checked then
Result := Null
else if Pos(',', LocateEdit.Text) < 1
then
LocateValue := LocateEdit.Text
else
begin
Values := TStringList.Create;
try
Values.CommaText :=
LocateEdit.Text;
Result :=
VarArrayCreate([0, Values.Count-1],
varVariant);
for I := 0 to Values.Count - 1 do
Result[I] := Values[I];

```

```

ActiveDataSet.Filter :=
Filter.Text;
ActiveDataSet.FindNext;
end;

procedure
TADODDBTest.FilterGroupBoxClick
(Sender: TObject);
begin
if not Assigned(ADOSource) then
Exit;
case FilterGroupBox.ItemIndex of
0: ADOSource.FilterGroup :=
fgPendingRecords;
1: ADOSource.FilterGroup :=
fgAffectedRecords;
2: ADOSource.FilterGroup :=
fgFetchedRecords;
3: ADOSource.FilterGroup :=
fgPendingRecords;
else
ADOSource.FilterGroup :=
fgNone;
end;
end;

{ Locate }

procedure
TADODDBTest.LocatePageShow(Sen
der: TObject);
var
Field: TField;
begin
if (FActiveDataSet <> nil) and
ActiveDataSet.Active then
begin
Field :=
MasterGrid.SelectedField;
if LocateField.Items.Count = 0
then

LocateFieldDropDown(LocateField)
;
if (LocateField.Text = '') or
(LocateField.Items.IndexOf(Field.Fi
eldName) < 1) then
LocateField.Text :=

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execute(Sender: TObject);
begin
  StatusMsg := 'ApplyUpdates: '+
  IntToStr(MasterClientData.ApplyU
  pdates(-1));
  Beep;
end;

procedure
TADODBTest.MidasCancelUpdates
Execute(Sender: TObject);
begin
  MasterClientData.CancelUpdates;
  StatusMsg := 'Updates canceled';
end;

procedure
TADODBTest.MasterClientDataRec
oncileError(
  DataSet: TCustomClientDataSet;
  E: EReconcileError; UpdateKind:
  TUpdateKind;
  var Action: TReconcileAction);
begin
  Action :=
  HandleReconcileError(DataSet,
  UpdateKind, E);
end;

{ FieldSchema }

procedure
TADODBTest.FieldsPageShow(Send
er: TObject);
begin
  CheckConnection(False);

  Connection.OpenSchema(siColumns
  , VarArrayOf([Unassigned,
  Unassigned,
  MasterTableName.Text,
  Unassigned]), EmptyParam,
  FieldSchema);
end;

procedure
TADODBTest.FieldSchemaDATA_
TYPEGetText(Sender: TField;
  var Text: String; DisplayText:

```

```

finally
  Values.Free;
end;
end;
end;

var
  Options: TLocateOptions;
begin
  Options := [];
  if locPartialKey.Checked then
  Include(Options, loPartialKey);
  if
  ActiveDataSet.Locate(LocateField.T
  ext, LocateValue, Options) then
  StatusMsg := 'Record Found' else
  StatusMsg := 'Not found';
end;

procedure
TADODBTest.LocateNullClick(Send
er: TObject);
begin
  LocateEdit.Enabled := not
  LocateNull.Checked;
end;

{ Midas Testing }

procedure
TADODBTest.ADOButtonClick(Sen
der: TObject);
begin
  ActiveDataSet := ADOSource;
end;

procedure
TADODBTest.MidasButtonClick(Se
nder: TObject);
begin
  if Assigned(ADOSource) or
  MasterClientData.Active then
  ActiveDataSet :=
  MasterClientData;
end;

procedure
TADODBTest.MidasApplyUpdatesE

```

'adVarBinary';
\$000000CD: Text :=
'adLongVarBinary';
\$00000088: Text := 'adChapter';
\$00000040: Text := 'adFileTime';
\$00000089: Text :=
'adDBFileTime';
\$0000008A: Text :=
'adPropVariant';
\$0000008B: Text :=
'adVarNumeric';
else
Text := '<Unknown>';
end;
end;
{ Event Logging }
procedure
TADODDBTest.LogEvent(const
EventStr: string;
Component: TComponent = nil);
var
ItemCount: Integer;
begin
if (csDestroying in
ComponentState) or not
Events.Visible then Exit;
if (Component <> nil) and
(Component.Name <> '') then
Events.Items.Add(Format('%s(%s)',
[EventStr, Component.Name])) else
Events.Items.Add(EventStr);
ItemCount := Events.Items.Count;
Events.ItemIndex := ItemCount - 1;
if ItemCount >
(Events.ClientHeight div
Events.ItemHeight) then
Events.TopIndex := ItemCount -
1;
end;
procedure
TADODDBTest.ClearEventLogExecu
te(Sender: TObject);
begin

Boolean);
begin
case
FieldSchemaData_TYPE.Value of
\$00000000: Text := 'adEmpty';
\$00000010: Text := 'adTinyInt';
\$00000002: Text := 'adSmallInt';
\$00000003: Text := 'adInteger';
\$00000014: Text := 'adBigInt';
\$00000011: Text :=
'adUnsignedTinyInt';
\$00000012: Text :=
'adUnsignedSmallInt';
\$00000013: Text :=
'adUnsignedInt';
\$00000015: Text :=
'adUnsignedBigInt';
\$00000004: Text := 'adSingle';
\$00000005: Text := 'adDouble';
\$00000006: Text := 'adCurrency';
\$0000000E: Text := 'adDecimal';
\$00000083: Text := 'adNumeric';
\$0000000B: Text := 'adBoolean';
\$0000000A: Text := 'adError';
\$00000084: Text :=
'adUserDefined';
\$0000000C: Text := 'adVariant';
\$00000009: Text := 'adIDispatch';
\$0000000D: Text :=
'adIUnknown';
\$00000048: Text := 'adGUID';
\$00000007: Text := 'adDate';
\$00000085: Text := 'adDBDate';
\$00000086: Text := 'adDBTime';
\$00000087: Text :=
'adDBTimeStamp';
\$00000008: Text := 'adBSTR';
\$00000081: Text := 'adChar';
\$000000C8: Text := 'adVarChar';
\$000000C9: Text :=
'adLongVarChar';
\$00000082: Text := 'adWChar';
\$000000CA: Text :=
'adVarWChar';
\$000000CB: Text :=
'adLongVarWChar';
\$00000080: Text := 'adBinary';
\$000000CC: Text :=

begin	Events.Items.Clear;
LogEvent('BeforeCancel');	end;
end;	
	procedure
procedure	TADODDBTest.ClearEventLogUpdate(Sender: TObject);
TADODDBTest.DataSetBeforeDelete(DataSet: TDataSet);	begin
begin	ClearEventLog.Enabled :=
LogEvent('BeforeDelete', DataSet);	Events.Visible and
end;	(Events.Items.Count > 0);
	end;
procedure	procedure
TADODDBTest.DataSetBeforeEdit(DataSet: TDataSet);	TADODDBTest.SetRecordSetEvents(Hook: Boolean; DataSet: TCustomADODDataSet);
begin	begin
LogEvent('BeforeEdit', DataSet);	if Hook then
end;	begin
	DataSet.OnFetchComplete :=
	DataSetFetchComplete;
	DataSet.OnFetchProgress :=
	DataSetFetchProgress;
	end
	else
	begin
	DataSet.OnFetchComplete := nil;
	DataSet.OnFetchProgress := nil;
	end;
	end;
	procedure
	TADODDBTest.DataSetBeforeClose(DataSet: TDataSet);
	begin
	LogEvent('BeforeClose');
	end;
	procedure
	TADODDBTest.DataSetAfterScroll(DataSet: TDataSet);
	begin
	LogEvent('AfterScroll', DataSet);
	end;
	procedure
	TADODDBTest.DataSetBeforeCancel(DataSet: TDataSet);
procedure	
TADODDBTest.DataSetBeforeDelete(DataSet: TDataSet);	
begin	
LogEvent('BeforeDelete', DataSet);	
end;	
procedure	
TADODDBTest.DataSetBeforeEdit(DataSet: TDataSet);	
begin	
LogEvent('BeforeEdit', DataSet);	
end;	
procedure	
TADODDBTest.DataSetBeforeInsert(DataSet: TDataSet);	
begin	
LogEvent('BeforeInsert', DataSet);	
end;	
procedure	
TADODDBTest.DataSetBeforePost(DataSet: TDataSet);	
begin	
LogEvent('BeforePost', DataSet);	
end;	
procedure	
TADODDBTest.DataSetBeforeScroll(DataSet: TDataSet);	
begin	
LogEvent('BeforeScroll', DataSet);	
end;	
procedure	
TADODDBTest.DataSetCalcFields(DataSet: TDataSet);	
begin	
LogEvent('OnCalcFields', DataSet);	
end;	
procedure	

begin
LogEvent('AfterCancel', DataSet);
end;
procedure TADOODBTest.DataSourceStateChange(Sender: TObject);
begin
LogEvent('OnStateChange', Sender as TComponent);
end;
procedure TADOODBTest.DataSourceUpdateData(Sender: TObject);
begin
LogEvent('OnUpdateData', Sender as TComponent);
end;
procedure TADOODBTest.MasterTableBeforeScroll(DataSet: TDataSet);
begin
LogEvent('BeforeScroll', DataSet);
end;
procedure TADOODBTest.MasterTableAfterScroll(DataSet: TDataSet);
begin
LogEvent('AfterScroll', DataSet);
end;
procedure TADOODBTest.OnFilterRecord(DataSet: TDataSet; var Accept: Boolean);
begin
Accept := (DataSet.Fields[0].AsInteger = 2);
end;
procedure TADOODBTest.DataSetFetchProgress(DataSet: TCustomADODataSet; Progress, MaxProgress: Integer; var EventStatus: TEventStatus);
begin

TADOODBTest.DataSetError(DataSet: TDataSet;
E: EDatabaseError; var Action: TDataAction);
begin
LogEvent('OnDelete/OnEdit/OnPostErrors', DataSet);
end;
procedure TADOODBTest.DataSetNewRecord(DataSet: TDataSet);
begin
LogEvent('OnNewRecord', DataSet);
end;
procedure TADOODBTest.DataSetAfterPost(DataSet: TDataSet);
begin
LogEvent('AfterPost', DataSet);
end;
procedure TADOODBTest.DataSetAfterInsert(DataSet: TDataSet);
begin
LogEvent('AfterInsert', DataSet);
end;
procedure TADOODBTest.DataSetAfterEdit(DataSet: TDataSet);
begin
LogEvent('AfterEdit', DataSet);
end;
procedure TADOODBTest.DataSetAfterDelete(DataSet: TDataSet);
begin
LogEvent('AfterDelete', DataSet);
end;
procedure TADOODBTest.DataSetAfterCancel(DataSet: TDataSet);

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Connection);	LogEvent(Format('FetchProgress: %d of %d', [Progress, MaxProgress]), DataSet);
end;	end;
procedure	procedure
TADODDBTest.ConnectionDisconnect(Connection: TADOConnection;	TADODDBTest.FieldValidate(Sender: TField);
var EventStatus: TEventStatus);	begin
begin	LogEvent(Format('Val: %s=%s', [Sender.DisplayName, Sender.AsSTRING]));
LogEvent('Disconnect', Connection);	end;
end;	
procedure	{ Connection Events }
TADODDBTest.ConnectionExecuteComplete(Connection: TADOConnection;	procedure
RecordsAffected: Integer; const Error: Error;	TADODDBTest.ConnectionBeginTransactionComplete(
var EventStatus: TEventStatus; const Command: _Command;	Connection: TADOConnection;
const Recordset: _Recordset);	TransactionLevel: Integer;
begin	const Error: Error; var EventStatus: TEventStatus);
LogEvent('ExecuteComplete', Connection);	begin
end;	LogEvent('BeginTransComplete', Connection);
procedure	end;
TADODDBTest.ConnectionInfoMessage(Connection: TADOConnection;	procedure
const Error: Error; var EventStatus: TEventStatus);	TADODDBTest.ConnectionCommitTransactionComplete(Connection: TADOConnection;
begin	const Error: Error; var EventStatus: TEventStatus);
LogEvent('InfoMessage', Connection);	begin
end;	LogEvent('CommitTransComplete', Connection);
procedure	end;
TADODDBTest.ConnectionRollbackTransactionComplete(	procedure
Connection: TADOConnection;	TADODDBTest.ConnectionConnectComplete(Connection: TADOConnection;
const Error: Error;	const Error: Error; var EventStatus: TEventStatus);
var EventStatus: TEventStatus);	begin
begin	ClearProgressBar;
LogEvent('RollbackTransComplete', Connection);	LogEvent('ConnectComplete',
end;	
procedure	

MasterQuery.Parameters else
FParamSource :=
MasterProc.Parameters;
if not Showing then Exit;
UpdateParameterList;
end;
procedure
TADODDBTest.RefreshParameters(P
arameters: TParameters);
var
I: Integer;
NewParameter: TParameter;
begin
try
Parameters.Refresh;
except
end;
if Parameters.Count = 0 then Exit;
for I := 0 to Parameters.Count - 1
do
with Parameters[I] do
if Name[I] = '@' then
begin
NewParameter :=
Parameters.CreateParameter(Copy(
Name, 2, 100), DataType, Direction,
Size, Null);
NewParameter.Index := I;
Parameters[I].Free;
end;
end;
procedure
TADODDBTest.ParamPageShow(Sen
der: TObject);
var
FT: TFieldType;
begin
if ParameterType.Items.Count = 0
then
with ParameterType.Items do
for FT := low(TFieldType) to
high(TFieldType) do
Add(FieldTypeNames[FT]);
end;
procedure

TADODDBTest.ConnectionWillConn
ect(Connection: TADOConnection;
var ConnectionString, UserID,
Password: WideString;
var ConnectOptions:
TConnectOption; var EventStatus:
TEventStatus);
begin
LogEvent('WillConnect',
Connection);
end;
procedure
TADODDBTest.ConnectionWillExecu
te(Connection: TADOConnection;
var CommandText: WideString;
var CursorType: TCursorType;
var LockType: TADOLockType;
var CommandType:
TCommandType;
var ExecuteOptions:
TExecuteOptions; var EventStatus:
TEventStatus;
const Command: _Command;
const Recordset: _Recordset);
begin
LogEvent('WillExecute',
Connection);
end;
procedure
TADODDBTest.ConnectionLogin(Sen
der: TObject; Username,
Password: String);
begin
LogEvent(Format('OnLogin - UID:
%s PWD: %s',[UserName,
Password]), Sender as
TADOConnection);
end;
{ Parameters }
procedure
TADODDBTest.ParameterSourceClic
k(Sender: TObject);
begin
if SQLParams.Checked then
FParamSource :=

```

procedure
TADODDBTest.AddParameterButton
Click(Sender: TObject);
begin
  FParamSource.CreateParameter('P
aram'+IntToStr(FParamSource.Cou
nt+1), ftInteger, pdInput, 0, 0);
  FModifiedParameter := -1;
  UpdateParameterList;
end;

procedure
TADODDBTest.ParameterListClick(S
ender: TObject);
begin
  WriteParameterData;
  if ParameterList.ItemIndex < 0
then Exit;
  with
FParamSource[ParameterList.ItemI
ndex] do
    begin
      ParameterName.Text := Name;
      ParameterValue.Text :=
VarToStr(Value);
      ParameterType.Text :=
FieldTypeNames[DataType];
      ParameterSize.Text :=
IntToStr(Size);
      ParameterScale.Text :=
IntToStr(NumericScale);
      ParameterPrecision.Text :=
IntToStr(Precision);

      ParameterDirectionGroup.ItemInde
x := Ord(Direction)-1;
      PAMutableCheckbox.Checked :=
paMutable in Attributes;
      PALongCheckbox.Checked :=
paLong in Attributes;
      PASignedCheckbox.Checked :=
paSigned in Attributes;
    end;
    FModifiedParameter := -1;
end;

procedure
TADODDBTest.WriteParameterData;

```

```

TADODDBTest.UpdateParameterList
;
var
  I: Integer;
begin
  with ParameterList.Items do
    try
      BeginUpdate;
      Clear;
      for I := 0 to FParamSource.Count
- 1 do
        Add(FParamSource[I].DisplayNam
e);
        if ParameterList.Items.Count > 0
then
          begin
            if FModifiedParameter > -1 then
              ParameterList.ItemIndex :=
FModifiedParameter else
                ParameterList.ItemIndex := 0;
          end;
          ParameterListClick(ParameterList);
        end else
          begin
            ParameterName.Text := "";
            ParameterValue.Text := "";
          end;
        finally
          EndUpdate;
        end;
      end;

procedure
TADODDBTest.RefreshParametersB
uttonClick(Sender: TObject);
begin
  CheckConnection(False);
  if SQLParams.Checked then
    MasterQuery.SQL.Text :=
MasterSQL.Text else
      MasterProc.ProcedureName :=
MasterProcName.Text;
  RefreshParameters(FParamSource);
  UpdateParameterList;
end;

```

```

procedure
TADODDBTest.ParameterDataChange(Sender: TObject);
begin
  FModifiedParameter :=
  ParameterList.ItemIndex;
end;

procedure
TADODDBTest.MasterSQLChange(Sender: TObject);
begin
  ParameterList.Items.Clear;
end;

{ Test Code }

procedure
TADODDBTest.TestButtonClick(Sender: TObject);
begin
  { Put your test code here... }
end;

procedure
TADODDBTest.ToolBar1Click(Sender: TObject);
begin
end;

end.
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
الملف النصي للبرنامج
object ADODDBTest: TADODDBTest
  Left = 175
  Top = 114
  HorzScrollBar.Increment = 52
  VertScrollBar.Increment = 45
  AutoScroll = False
  Caption = 'ADO DB Controls Test Application'
  ClientHeight = 460
  ClientWidth = 680
  
```

```

var
  DataTypeIndex: Integer;
begin
  if FModifiedParameter < 0 then
    Exit;
  with
    FParamSource[FModifiedParameter] do
      begin
        if Name <> ParameterName.Text
        then
          begin
            Name := ParameterName.Text;
            ParameterList.Items[FModifiedParameter] := Name;
          end;
          DataTypeIndex :=
            ParameterType.Items.IndexOf(ParameterType.Text);
          if DataTypeIndex <> -1 then
            DataType :=
              TFieldType(DataTypeIndex) else
              DataType := ftInteger;
            Size :=
              StrToInt(ParameterSize.Text);
            NumericScale :=
              StrToInt(ParameterScale.Text);
            Precision :=
              StrToInt(ParameterPrecision.Text);
            Direction :=
              TParameterDirection(ParameterDirectionGroup.ItemIndex+1);
            if PNullableCheckbox.Checked
            then
              Attributes := [paNullable];
            if PALongCheckbox.Checked then
              Attributes := Attributes +
                [paLong];
            if PASignedCheckbox.Checked
            then
              Attributes := Attributes +
                [paSigned];
            if VarToStr(Value) <>
              ParameterValue.Text then
              Value := ParameterValue.Text;
            end;
            FModifiedParameter := -1;
          end;
        end;
      
```

Anchors = [akLeft, akTop, akRight]
Constraints.MinWidth = 500
TabOrder = 1
object SourcePage: TTabSheet
Caption = 'Source'
object EditConnStr: TSpeedButton
Left = 460
Top = 14
Width = 18
Height = 18
Caption = '...'
Font.Charset = ANSI_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
OnClick = EditConnStrClick
end
object Label2: TLabel
Left = 6
Top = -1
Width = 87
Height = 13
Caption = 'Connection String:'
Font.Charset = ANSI_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
object TableNamees: TGroupBox
Left = 5
Top = 38
Width = 133
Height = 76
Caption = ' Master/Detail Tables '
TabOrder = 1
object MasterTableName: TComboBox
Left = 8
Top = 18

Color = clBtnFace
ParentFont = True
Menu = MainMenu1
OldCreateOrder = True
Position = poScreenCenter
OnCloseQuery = FormCloseQuery
OnCreate = FormCreate
OnDestroy = FormDestroy
DesignSize = (
680
460)
PixelsPerInch = 96
TextHeight = 13
object Label1: TLabel
Left = 16
Top = 53
Width = 3
Height = 13
end
object StatusBar: TStatusBar
Left = 0
Top = 436
Width = 680
Height = 24
Panels = <
item
Text = 'Message'
Width = 300
end
item
Text = 'Modified'
Width = 80
end
item
Text = 'Null'
Width = 50
end
item
Text = 'RecNo'
Width = 50
end>
end
object AreaSelector: TPageControl
Left = 5
Top = 30
Width = 501
Height = 148
ActivePage = TabSheet1

AC.&P

Action = PrevQuery
Flat = True
Glyph.Data = {
ParentShowHint = False
ShowHint = True
end
object NextQuery1:
TSpeedButton
Left = 189
Top = 52
Width = 19
Height = 13
Action = NextQuery
Flat = True
Glyph.Data = {
ParentShowHint = False
ShowHint = True
end
object EditCommandText:
TSpeedButton
Left = 189
Top = 19
Width = 18
Height = 18
Caption = '...'
Font.Charset =
ANSI_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
OnClick =
EditCommandTextClick
end
object MasterSQL: TMemo
Left = 7
Top = 18
Width = 180
Height = 21
Lines.Strings = (
'Select * from Customer')
TabOrder = 0
OnChange =
MasterSQLChange
OnKeyPress =
MasterSQLKeyPress
end

Width = 116
Height = 21
DropDownCount = 20
ItemHeight = 13
Sorted = True
TabOrder = 0
Text = 'Customer'
OnClick =
MasterTableNameClick
OnDropDown =
MasterTableNameDropDown
OnKeyPress =
MasterTableNameKeyPress
end
object DetailTableName:
TComboBox
Left = 8
Top = 45
Width = 116
Height = 21
DropDownCount = 20
ItemHeight = 13
Sorted = True
TabOrder = 1
Text = 'Orders'
OnClick =
DetailTableNameClick
OnDropDown =
MasterTableNameDropDown
OnKeyPress =
MasterTableNameKeyPress
end
end
object QueryStrings:
TGroupBox
Left = 143
Top = 38
Width = 212
Height = 75
Caption = ' Master/Detail
Queries '
TabOrder = 2
object PrevQuery1:
TSpeedButton
Left = 189
Top = 39
Width = 19
Height = 13

MasterProcNameClick
OnDropDown =
ProcNameDropDown
OnKeyPress =
MasterProcNameKeyPress
end
object DetailProcName:
TComboBox
Left = 9
Top = 44
Width = 108
Height = 21
ItemHeight = 13
TabOrder = 1
OnClick =
DetailProcNameClick
OnDropDown =
ProcNameDropDown
end
end
end
object FieldsPage: TTabSheet
Caption = 'Fields'
OnShow = FieldsPageShow
object FieldSchemaGrid:
TDBGrid
Left = 0
Top = 0
Width = 493
Height = 120
Align = alClient
DataSource =
FieldSchemaSource
TabOrder = 0
TitleFont.Charset =
DEFAULT_CHARSET
TitleFont.Color =
clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans
Serif'
TitleFont.Style = []
end
end
object ParamPage: TTabSheet
Caption = 'Parameters'
ImageIndex = 6
OnShow = ParamPageShow

object DetailSQL: TMemo
Left = 7
Top = 45
Width = 180
Height = 21
Lines.Strings = (
'select * from orders where
CustNo = '
':CustNo')
TabOrder = 1
OnKeyPress =
MasterSQLKeyPress
end
end
object ConnectionString:
TComboBox
Left = 6
Top = 13
Width = 450
Height = 21
Hint = 'asdfasdf'
DropDownCount = 20
ItemHeight = 13
ParentShowHint = False
ShowHint = True
TabOrder = 0
OnClick =
ConnectionStringClick
OnKeyPress =
ConnectionStringKeyPress
end
object ProcedureNames:
TGroupBox
Left = 361
Top = 38
Width = 125
Height = 75
Caption = ' Stored Procedure '
TabOrder = 3
object MasterProcName:
TComboBox
Left = 9
Top = 17
Width = 108
Height = 21
ItemHeight = 13
TabOrder = 0
OnClick =

ItemHeight = 13
TabOrder = 0
OnClick = ParameterListClick
end
object ParameterName: TEdit
Left = 135
Top = 16
Width = 101
Height = 21
TabOrder = 1
OnChange =
ParameterDataChange
end
object ParameterValue: TEdit
Left = 135
Top = 93
Width = 101
Height = 21
TabOrder = 2
OnChange =
ParameterDataChange
end
object ParameterSize: TEdit
Left = 242
Top = 16
Width = 71
Height = 21
TabOrder = 3
OnChange =
ParameterDataChange
end
object ParameterScale: TEdit
Left = 242
Top = 55
Width = 71
Height = 21
TabOrder = 4
OnChange =
ParameterDataChange
end
object ParameterPrecision:
TEdit
Left = 242
Top = 93
Width = 71
Height = 21
TabOrder = 5
OnChange =

object ParameterNameLabel:
TLabel
Left = 135
Top = 2
Width = 28
Height = 13
Caption = 'Name'
end
object PTypeLabel: TLabel
Left = 135
Top = 40
Width = 24
Height = 13
Caption = 'Type'
end
object PValueLabel: TLabel
Left = 135
Top = 79
Width = 27
Height = 13
Caption = 'Value'
end
object PSizeLabel: TLabel
Left = 243
Top = 2
Width = 20
Height = 13
Caption = 'Size'
end
object PScaleLabel: TLabel
Left = 242
Top = 41
Width = 27
Height = 13
Caption = 'Scale'
end
object PPrecisionLabel: TLabel
Left = 242
Top = 79
Width = 43
Height = 13
Caption = 'Precision'
end
object ParameterList: TListBox
Left = 2
Top = 16
Width = 124
Height = 74

ParameterDataChange
end
object PALongCheckBox:
TCheckBox
Left = 87
Top = 13
Width = 52
Height = 17
Caption = 'Long'
TabOrder = 2
OnClick =
ParameterDataChange
end
end
object AddParameterButton:
TButton
Left = 7
Top = 94
Width = 54
Height = 23
Caption = 'Add'
TabOrder = 8
OnClick =
AddParameterButtonClick
end
object
RefreshParametersButton: TButton
Left = 66
Top = 94
Width = 54
Height = 23
Caption = 'Refresh'
TabOrder = 9
OnClick =
RefreshParametersButtonClick
end
object ParameterType:
TComboBox
Left = 135
Top = 55
Width = 101
Height = 21
ItemHeight = 13
TabOrder = 10
OnChange =
ParameterDataChange
end
object SQLParams:

ParameterDataChange
end
object
ParameterDirectionGroup:
TRadioGroup
Left = 322
Top = 2
Width = 162
Height = 57
Caption = ' Direction '
Columns = 2
Items.Strings = (
'Input'
'Output'
'In/Out'
'Return')
TabOrder = 6
OnClick =
ParameterDataChange
end
object ParamAttributes:
TGroupBox
Left = 322
Top = 63
Width = 162
Height = 52
Caption = ' Attributes '
TabOrder = 7
object PANullableCheckBox:
TCheckBox
Left = 11
Top = 13
Width = 72
Height = 17
Caption = 'Nullable'
TabOrder = 0
OnClick =
ParameterDataChange
end
object PASignedCheckBox:
TCheckBox
Left = 11
Top = 31
Width = 66
Height = 17
Caption = 'Signed'
TabOrder = 1
OnClick =

object Label13: TLabel
Left = 156
Top = 80
Width = 68
Height = 13
Caption = 'CaseInsFields:'
end
object IndexList: TListBox
Left = 8
Top = 17
Width = 137
Height = 100
ItemHeight = 13
TabOrder = 0
OnClick = IndexListClick
end
object IndexFields: TEdit
Left = 156
Top = 17
Width = 164
Height = 21
ReadOnly = True
TabOrder = 1
end
object DescFields: TEdit
Left = 156
Top = 56
Width = 164
Height = 21
ReadOnly = True
TabOrder = 2
end
object CaseInsFields: TEdit
Left = 156
Top = 96
Width = 164
Height = 21
ReadOnly = True
TabOrder = 3
end
object IndexOptions:
TGroupBox
Left = 333
Top = 2
Width = 159
Height = 113
Caption = ' Index Options '
TabOrder = 4

TRadioButton
Left = 5
Top = 1
Width = 43
Height = 14
Caption = 'SQL'
Checked = True
TabOrder = 11
TabStop = True
OnClick =
ParameterSourceClick
end
object ProcParams:
TRadioButton
Left = 50
Top = 1
Width = 73
Height = 14
Caption = 'StoredProc'
TabOrder = 12
OnClick =
ParameterSourceClick
end
end
object IndexPage: TTabSheet
Caption = 'Indexes'
OnShow = IndexPageShow
object Label11: TLabel
Left = 10
Top = 2
Width = 65
Height = 13
Caption = 'Index Names:'
end
object Label14: TLabel
Left = 156
Top = 3
Width = 30
Height = 13
Caption = 'Fields:'
end
object Label3: TLabel
Left = 156
Top = 40
Width = 55
Height = 13
Caption = 'DescFields:'
end

Caption = 'Filter:'
end
object Filter: TEdit
Left = 14
Top = 17
Width = 235
Height = 21
TabOrder = 0
OnExit = FilterExit
OnKeyPress = FilterKeyPress
end
object FindFirst: TButton
Left = 174
Top = 50
Width = 75
Height = 25
Caption = 'Find First'
TabOrder = 2
OnClick = FindFirstClick
end
object FindNext: TButton
Left = 174
Top = 84
Width = 75
Height = 25
Caption = 'Find &Next'
TabOrder = 3
OnClick = FindNextClick
end
object Filtered: TCheckBox
Left = 28
Top = 46
Width = 97
Height = 17
Caption = 'Filtered'
TabOrder = 1
OnClick = FilteredClick
end
object FilterGroupBox:
TRadioGroup
Left = 288
Top = 9
Width = 110
Height = 105
Caption = ' Filter Group '
Items.Strings = (
'Pending'
'Affected'

object idxCaseInsensitive:
TCheckBox
Left = 12
Top = 85
Width = 109
Height = 17
Caption = 'Case Insensitive'
Enabled = False
TabOrder = 0
end
object idxDescending:
TCheckBox
Left = 12
Top = 64
Width = 86
Height = 17
Caption = 'Descending'
Enabled = False
TabOrder = 1
end
object idxPrimary: TCheckBox
Left = 12
Top = 21
Width = 97
Height = 17
Caption = 'Primary'
Enabled = False
TabOrder = 2
end
object idxUnique: TCheckBox
Left = 12
Top = 42
Width = 97
Height = 17
Caption = 'Unique'
Enabled = False
TabOrder = 3
end
end
end
object FilterPage: TTabSheet
Caption = 'Filters'
OnShow = FilterPageShow
object Label10: TLabel
Left = 14
Top = 2
Width = 25
Height = 13

end
object LocateField: TComboBox
Left = 10
Top = 32
Width = 183
Height = 21
ItemHeight = 13
Sorted = True
TabOrder = 0
OnDropDown = LocateFieldDropDown
end
object locPartialKey: TCheckBox
Left = 217
Top = 74
Width = 97
Height = 16
Caption = 'Partial Key'
TabOrder = 4
end
object LocateNull: TCheckBox
Left = 217
Top = 48
Width = 97
Height = 17
Caption = 'Null Value'
TabOrder = 3
OnClick = LocateNullClick
end
end
end
object TabSheet1: TTabSheet
Caption = 'MiscTest'
object TestButton: TButton
Left = 8
Top = 7
Width = 75
Height = 25
Caption = 'Test'
TabOrder = 0
OnClick = TestButtonClick
end
end
end
object DataPanel: TPanel
Left = 5

'Fetched'
'Conflicting')
TabOrder = 4
OnClick = FilterGroupBoxClick
end
end
object LocatePage: TTabSheet
Caption = 'Locate'
OnShow = LocatePageShow
object LocateGroupBox: TGroupBox
Left = 4
Top = 1
Width = 329
Height = 114
Caption = 'Locate '
TabOrder = 0
object Label16: TLabel
Left = 10
Top = 16
Width = 36
Height = 13
Caption = 'Field(s):'
end
object Label17: TLabel
Left = 11
Top = 61
Width = 122
Height = 13
Caption = 'Values (comma delimited):'
end
object LocateButton: TButton
Left = 216
Top = 18
Width = 75
Height = 25
Caption = '&Locate'
TabOrder = 2
OnClick = LocateButtonClick
end
object LocateEdit: TEdit
Left = 10
Top = 79
Width = 183
Height = 21
TabOrder = 1

Checked = True
TabOrder = 1
TabStop = True
OnClick = ADOButtonClick
end
object MidasButton: TRadioButton
Left = 312
Top = 8
Width = 54
Height = 17
Caption = 'Midas'
TabOrder = 2
OnClick = MidasButtonClick
end
end
object BlobCtrlPanel: TPanel
Left = 315
Top = 30
Width = 185
Height = 219
Align = alRight
BevelOuter = bvNone
BorderWidth = 2
TabOrder = 2
Visible = False
object Splitter1: TSplitter
Left = 2
Top = 107
Width = 181
Height = 2
Cursor = crVSplit
Align = alBottom
Visible = False
end
object DBMemo1: TDBMemo
Left = 2
Top = 2
Width = 181
Height = 105
Align = alClient
DataSource = MasterDataSource
MaxLength = 1024
PopupMenu = PopupMenu1
TabOrder = 0
end
object DBImage1: TDBImage

Top = 183
Width = 501
Height = 250
Anchors = [akLeft, akTop, akRight, akBottom]
Constraints.MinHeight = 80
Constraints.MinWidth = 500
TabOrder = 2
object NavigatorPanel: TPanel
Left = 1
Top = 1
Width = 499
Height = 29
Align = alTop
BevelOuter = bvNone
TabOrder = 0
object ReadOnlyLabel: TLabel
Left = 403
Top = 9
Width = 60
Height = 13
Caption = 'Read Only'
Font.Charset = ANSI_CHARSET
Font.Color = clRed
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
Visible = False
end
object DBNavigator1: TDBNavigator
Left = 4
Top = 3
Width = 240
Height = 25
DataSource = MasterDataSource
TabOrder = 0
end
object ADOButton: TRadioButton
Left = 257
Top = 8
Width = 42
Height = 17
Caption = 'ADO'

OnTitleClick = GridTitleClick
end
object MasterGrid: TDBGrid
Left = 2
Top = 2
Width = 310
Height = 105
Align = alClient
DataSource = MasterDataSource
ParentShowHint = False
ShowHint = True
TabOrder = 1
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
OnColEnter = GridColEnter
OnColumnMoved = MasterGridColumnMoved
OnEnter = GridSetFocus
OnTitleClick = GridTitleClick
end
object DBEditScroller: TScrollBar
Left = 2
Top = 2
Width = 303
Height = 0
TabOrder = 2
end
end
end
object Events: TListBox
Left = 512
Top = 50
Width = 164
Height = 381
Anchors = [akTop, akRight, akBottom]
ItemHeight = 13
TabOrder = 3
end
object ToolBar1: TToolBar

Left = 2
Top = 109
Width = 181
Height = 108
Align = alBottom
DataSource = MasterDataSource
PopupMenu = PopupMenu1
TabOrder = 1
end
end
object GridPanel: TPanel
Left = 1
Top = 30
Width = 314
Height = 219
Align = alClient
BevelOuter = bvNone
BorderWidth = 2
TabOrder = 1
object GridSplitter: TSplitter
Left = 2
Top = 107
Width = 310
Height = 2
Cursor = crVSplit
Align = alBottom
Visible = False
end
object DetailGrid: TDBGrid
Left = 2
Top = 109
Width = 310
Height = 108
Align = alBottom
DataSource = DetailDataSource
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clWindowText
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
Visible = False
OnColEnter = GridColEnter
OnEnter = GridSetFocus

end
object SavePacketButton: TToolButton
Left = 129
Top = 0
Action = SaveToFile
end
object Sep2: TToolButton
Left = 152
Top = 0
Width = 14
Caption = 'Sep2'
ImageIndex = 1
Style = tbsDivider
end
object ClearFieldButton: TToolButton
Left = 166
Top = 0
Action = ClearField
end
object Sep3: TToolButton
Left = 189
Top = 0
Width = 14
Caption = 'Sep3'
ImageIndex = 1
Style = tbsDivider
end
object BatchUpdateButton: TToolButton
Left = 203
Top = 0
Action = BatchUpdate
end
object CancelBatchButton: TToolButton
Left = 226
Top = 0
Action = CancelBatch
end
object Sep4: TToolButton
Left = 249
Top = 0
Width = 14
Caption = 'Sep4'
ImageIndex = 21
Style = tbsSeparator

Left = 0
Top = 0
Width = 680
Height = 29
BorderWidth = 1
Caption = 'ToolBar1'
Flat = True
Images = ImageList1
ParentShowHint = False
ShowHint = True
TabOrder = 4
OnClick = ToolBar1Click
object OpenTableButton: TToolButton
Left = 0
Top = 0
Action = OpenTable
end
object OpenQueryButton: TToolButton
Left = 23
Top = 0
Action = OpenQuery
end
object ToolButton1: TToolButton
Left = 46
Top = 0
Action = OpenProcedure
end
object CloseActiveButton: TToolButton
Left = 69
Top = 0
Action = CloseActiveDataSet
end
object Sep1: TToolButton
Left = 92
Top = 0
Width = 14
Caption = 'Sep1'
ImageIndex = 11
Style = tbsSeparator
end
object LoadPacketButton: TToolButton
Left = 106
Top = 0
Action = LoadFromFile

end
object OpenFileDialog: TOpenDialog
DefaultExt = 'dtg'
Filter =
'TableGram Files (* .dtg)|*.dtg|Delphi form (* .dfm)|*.dfm|All File' + 's (*.*)|*.*'
Title = 'Load Data File'
Left = 627
Top = 57
end
object SaveDialog: TSaveDialog
DefaultExt = 'dtg'
Filter =
'TableGram Files (* .dtg)|*.dtg|Delphi form (* .dfm)|*.dfm|All File' + 's (*.*)|*.*'
Options = [ofOverwritePrompt]
Title = 'Save Data File'
Left = 459
Top = 371
end
object PopupMenu1: TPopupMenu
OnPopup = PopupMenu1Popup
Left = 544
Top = 115
object AssignField1: TMenuItem
Caption = '&Assign Field'
OnClick = FieldSelect
end
end
object DetailDataSource: TDataSource
OnStateChange = DataSourceStateChange
OnDataChange = DataSourceDataChange
OnUpdateData = DataSourceUpdateData
Left = 19
Top = 393
end
object MainMenu1: TMainMenu
Left = 529
Top = 58
object FileMenu: TMenuItem

end
object MidasApplyUpdatesButton: TToolButton
Left = 263
Top = 0
Action = MidasApplyUpdates
end
object MidasCancelButton: TToolButton
Left = 286
Top = 0
Action = MidasCancelUpdates
end
object ToolButton3: TToolButton
Left = 309
Top = 0
Width = 14
Caption = 'ToolButton3'
ImageIndex = 9
Style = tbsSeparator
end
object ClearEventsButton: TToolButton
Left = 323
Top = 0
Action = ClearEventLog
end
end
object ProgressBar: TProgressBar
Left = 0
Top = 438
Width = 301
Height = 22
Step = 1
TabOrder = 5
Visible = False
end
object MasterDataSource: TDataSource
OnStateChange = DataSourceStateChange
OnDataChange = DataSourceDataChange
OnUpdateData = DataSourceUpdateData
Left = 19
Top = 283

end
object N1: TMenuItem
Caption = '-'
end
object Saveformtofile1: TMenuItem
Action = StreamFormOut
end
object LoadFormfromFile1: TMenuItem
Action = StreamFormIn
end
object N2: TMenuItem
Caption = '-'
end
object Exit1: TMenuItem
Action = ExitApplication
end
end
object EditMenu: TMenuItem
Caption = '&Edit'
object BatchUpdates1: TMenuItem
Action = BatchUpdate
end
object CancelBatch1: TMenuItem
Action = CancelBatch
end
object N6: TMenuItem
Caption = '-'
end
object ApplyUpdatesMidas1: TMenuItem
Action = MidasApplyUpdates
end
object CancelUpdatesMidas1: TMenuItem
Action = MidasCancelUpdates
end
object N7: TMenuItem
Caption = '-'
end
object ClearField1: TMenuItem
Action = ClearField
end
object RefreshData1: TMenuItem

Caption = '&File'
OnClick = FileMenuClick
object OpenTable1: TMenuItem
Action = OpenTable
end
object OpenQuery1: TMenuItem
Action = OpenQuery
end
object OpenProcedure1: TMenuItem
Action = OpenProcedure
end
object FileReopen: TMenuItem
Caption = 'Reopen'
object ReopenHolder: TMenuItem
Caption = 'PlaceHolder'
end
end
object ExecuteQuery1: TMenuItem
Action = ExecuteCommand
end
object CloseActiveDataset1: TMenuItem
Action = CloseActiveDataSet
end
object DisconnectDataSet1: TMenuItem
Action = DisconnectDataSet
end
object Disconnect1: TMenuItem
Action = CloseConnection
end
object N3: TMenuItem
Caption = '-'
end
object LoadDatapacket1: TMenuItem
Action = LoadFromFile
end
object SaveDataPacket1: TMenuItem
Action = SaveToFile
end
object LoadBlobfromfile1: TMenuItem
Action = LoadBlobFromFile

object CurTypeForwardOnly: TMenuItem
Caption = '&Forward Only'
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
object CurTypeKeyset: TMenuItem
Caption = '&Keyset'
Checked = True
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
object Dynamic1: TMenuItem
Caption = '&Dynamic'
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
object CurTypeStatic: TMenuItem
Caption = '&Static'
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
object LockTypeItem: TMenuItem
Caption = '&Lock Type'
object LckTypeUnspecified: TMenuItem
Caption = '&Unspecified'
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
object LckTypeReadOnly: TMenuItem
Caption = '&Read Only'
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
object LckTypePessimistic: TMenuItem

Action = RefreshData
end
end
object ViewMenu: TMenuItem
Caption = '&View'
object DisplayDetailTable1: TMenuItem
Action = DisplayDetails
end
object BlobfieldasImage1: TMenuItem
Action = BlobAsImage
end
object N5: TMenuItem
Caption = '-'
end
object ViewEvents1: TMenuItem
Action = ViewEvents
end
object ClearEventLog1: TMenuItem
Action = ClearEventLog
end
end
object SettingsMenu: TMenuItem
Caption = '&Settings'
object UseClientCursorItem: TMenuItem
Action = UseClientCursor
end
object UseadCmdTableDirect1: TMenuItem
Action = UseTableDirect
end
object UseShapeProvider1: TMenuItem
Action = UseShapeProvider
end
object CursorTypeItem: TMenuItem
Caption = 'C&ursor Type'
object CurTypeUnspecified: TMenuItem
Caption = '&Unspecified'
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end

AC.&P

Action = HelpAbout
Caption = '&About...'
end
end
end
object ActionList1: TActionList
Images = ImageList1
Left = 624
Top = 190
object BatchUpdate: TAction
Category = 'Edit'
Caption = '&Apply Batch Updates'
Hint = 'Apply pending batch updates to the server'
ImageIndex = 3
ShortCut = 16450
OnExecute = BatchUpdateExecute
OnUpdate = EditActionsUpdate
end
object CancelBatch: TAction
Category = 'Edit'
Caption = '&Cancel Batch Updates'
Hint = 'Cancel pending batch updates'
ImageIndex = 14
OnExecute = CancelBatchExecute
end
object OpenProcedure: TAction
Category = 'File'
Caption = 'Open &Procedure'
Hint = 'Open stored procedure(s)'
ImageIndex = 12
ShortCut = 16464
OnExecute = OpenProcedureExecute
end
object OpenTable: TAction
Category = 'File'
Caption = 'Open &Table'
Hint = 'Open Table(s)'
ImageIndex = 0
ShortCut = 16468
OnExecute = OpenTableExecute

Caption = '&Pessimistic'
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
object LckTypeOptimistic: TMenuItem
Caption = '&Optimistic'
Checked = True
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
object LckTypeBatchOptimistic: TMenuItem
Caption = '&Batch Optimistic'
GroupIndex = 1
RadioItem = True
OnClick = RadioItemClick
end
end
object MaxRecords1: TMenuItem
Action = MaxRecords
end
object EnableBCD1: TMenuItem
Action = EnableBCD
end
object N4: TMenuItem
Caption = '-'
end
object AsyncConnect1: TMenuItem
Action = AsyncConnect
end
object AsyncExecute1: TMenuItem
Action = AsyncExecute
end
object AsyncFetch1: TMenuItem
Action = AsyncFetch
end
end
object HelpMenu: TMenuItem
Caption = '&Help'
object HelpAboutItem: TMenuItem

Category = 'File'
Caption = '&Execute Command'
Hint = 'Execute the current query'
Shortcut = 16453
OnExecute = ExecSQLExecute
end
object StreamFormOut: TAction
Category = 'File'
Caption = 'Stream &Form Out...'
Hint = 'Stream for to a form file'
OnExecute = StreamFormOutClick
end
object StreamFormIn: TAction
Category = 'File'
Caption = 'Stream Form &In...'
Hint = 'Stream in form file'
OnExecute = StreamFormInClick
end
object ClearField: TAction
Category = 'Edit'
Caption = '&Clear Field'
Hint = 'Set the current field to Null'
ImageIndex = 6
Shortcut = 24643
OnExecute = ClearFieldExecute
end
object ViewEvents: TAction
Category = 'View'
Caption = '&Events'
Hint = 'Display event information'
OnExecute = ViewEventsExecute
end
object DisplayDetails: TAction
Category = 'View'
Caption = '&Display Detail Table'
Checked = True
Hint = 'Display detail or nested table in the lower grid'
OnExecute = DisplayDetailsExecute
end
object RefreshData: TAction

end
object OpenQuery: TAction
Category = 'File'
Caption = 'Open &Query'
Hint = 'Open Query(s)'
ImageIndex = 1
Shortcut = 16465
OnExecute = OpenQueryExecute
end
object LoadFromFile: TAction
Category = 'File'
Caption = 'Load data from a file...'
Hint = 'Load data from a file'
ImageIndex = 10
Shortcut = 16460
OnExecute = LoadFromFileExecute
end
object CloseActiveDataSet: TAction
Category = 'File'
Caption = '&Close Active Dataset'
Hint = 'Close the active dataset'
ImageIndex = 2
OnExecute = CloseActiveDataSetExecute
OnUpdate = FileActionsUpdate
end
object SaveToFile: TAction
Category = 'File'
Caption = '&Save data to a file...'
Hint = 'Save data to a file'
ImageIndex = 11
Shortcut = 16467
OnExecute = SaveToFileExecute
end
object ExitApplication: TAction
Category = 'File'
Caption = 'E&xit'
Hint = 'Exit the application'
Shortcut = 32856
OnExecute = ExitApplicationExecute
end
object ExecuteCommand: TAction

AC.&P

OnExecute =
BooleanActionExecute
end
object UseShapeProvider:
TAction
Category = 'Settings'
Caption = 'Use &Shape
Provider'
Hint = 'Use the Shape Provider'
OnExecute =
UseShapeProviderExecute
end
object CloseConnection: TAction
Category = 'File'
Caption = '&Close Connection'
Hint = 'Close the current
connection'
OnExecute =
CloseConnectionExecute
end
object AsyncConnect: TAction
Category = 'Settings'
Caption = 'AsyncConnect'
Hint = 'Make the connection
asynchronously'
OnExecute =
BooleanActionExecute
end
object AsyncExecute: TAction
Category = 'Settings'
Caption = 'AsyncExecute'
Hint = 'Execute the command
asynchronously'
OnExecute =
BooleanActionExecute
end
object AsyncFetch: TAction
Category = 'Settings'
Caption = 'AsyncFetch'
Hint = 'Fetch records
asynchronously'
OnExecute =
BooleanActionExecute
end
object MaxRecords: TAction
Category = 'Settings'
Caption = '&Max Records...'
Hint = 'Specify the max number

Category = 'Edit'
Caption = 'Re&fresh Data'
OnExecute =
RefreshDataExecute
end
object ClearEventLog: TAction
Category = 'View'
Caption = '&Clear Event Log'
Hint = 'Clear the event log'
ImageIndex = 7
OnExecute =
ClearEventLogExecute
OnUpdate =
ClearEventLogUpdate
end
object HelpAbout: TAction
Caption = 'HelpAbout'
Hint = 'Display About Box'
OnExecute = HelpAboutExecute
end
object PrevQuery: TAction
Category = 'File'
Hint = 'Display the previous
query from the history list'
OnExecute = PrevQueryExecute
OnUpdate = PrevQueryUpdate
end
object NextQuery: TAction
Category = 'File'
Hint = 'Display the next query
from the history list, or insert new
one.'
OnExecute = NextQueryExecute
end
object UseClientCursor: TAction
Category = 'Settings'
Caption = 'Use &Client Cursor'
Checked = True
Hint = 'Use client side cursor'
OnExecute =
BooleanActionExecute
end
object UseTableDirect: TAction
Category = 'Settings'
Caption = 'Use
adCmd&TableDirect'
Hint = 'Use the
adCmdTableDirect command type'

Hint = 'View the current blob field in a DBImage'
OnExecute = BlobAsImageExecute
OnUpdate = BlobAsImageUpdate
end
object LoadBlobFromFile: TAction
Category = 'Edit'
Caption = '&Load Blob from file...'
Hint = 'Load blob data from a file'
OnExecute = LoadBlobFromFileExecute
end
end
object ImageList1: TImageList
Left = 347
Top = 366
Bitmap = {
00000}
end
object Connection: TADOConnection
LoginPrompt = False
Provider =
'C:\Program Files\Common Files\System\OLE DB\Data Links\BDDemos.u' +
'dl'
OnDisconnect = ConnectionDisconnect
OnInfoMessage = ConnectionInfoMessage
OnBeginTransComplete = ConnectionBeginTransComplete
OnCommitTransComplete = ConnectionCommitTransComplete
OnRollbackTransComplete = ConnectionRollbackTransComplete
OnConnectComplete = ConnectionConnectComplete
OnWillConnect = ConnectionWillConnect
OnExecuteComplete =

of records in a dataset'
OnExecute = MaxRecordsExecute
end
object MidasApplyUpdates: TAction
Category = 'Edit'
Caption = 'Apply Updates (Midas)'
Hint = 'Apply pending Midas updates'
ImageIndex = 13
ShortCut = 16449
OnExecute = MidasApplyUpdatesExecute
end
object MidasCancelUpdates: TAction
Category = 'Edit'
Caption = 'Cancel Updates (Midas)'
Hint = 'Cancel pending Midas updates'
ImageIndex = 9
OnExecute = MidasCancelUpdatesExecute
end
object EnableBCD: TAction
Category = 'Settings'
Caption = 'EnableBCD'
Checked = True
Hint = 'Configure datasets to use BCD fields for numeric field types'
OnExecute = BooleanActionExecute
end
object DisconnectDataSet: TAction
Category = 'File'
Caption = '&Disconnect DataSet'
Hint = 'Disconnect the dataset from the connection'
OnExecute = DisconnectDataSetExecute
end
object BlobAsImage: TAction
Category = 'View'
Caption = '&Blob field as Image'

BeforeInsert =
DataSetBeforeInsert
AfterInsert = DataSetAfterInsert
BeforeEdit = DataSetBeforeEdit
AfterEdit = DataSetAfterEdit
BeforePost = DataSetBeforePost
AfterPost = DataSetAfterPost
BeforeCancel =
DataSetBeforeCancel
AfterCancel =
DataSetAfterCancel
BeforeDelete =
DataSetBeforeDelete
AfterDelete = DataSetAfterDelete
BeforeScroll =
DataSetBeforeScroll
AfterScroll = DataSetAfterScroll
onDeleteError = DataSetError
onEditError = DataSetError
onNewRecord =
DataSetNewRecord
onPostError = DataSetError
Left = 435
Top = 252
end
object MasterQuery: TADOQuery
Connection = Connection
BeforeOpen =
MasterQueryBeforeOpen
AfterOpen =
MasterQueryAfterOpen
BeforeClose =
MasterQueryBeforeClose
AfterClose = DataSetAfterClose
BeforeInsert =
DataSetBeforeInsert
AfterInsert = DataSetAfterInsert
BeforeEdit = DataSetBeforeEdit
AfterEdit = DataSetAfterEdit
BeforePost = DataSetBeforePost
AfterPost = DataSetAfterPost
BeforeCancel =
DataSetBeforeCancel
AfterCancel =
DataSetAfterCancel
BeforeDelete =
DataSetBeforeDelete
AfterDelete = DataSetAfterDelete
BeforeScroll =
DataSetBeforeScroll
AfterScroll = DataSetAfterScroll
onDeleteError = DataSetError
onEditError = DataSetError
onNewRecord =
DataSetNewRecord
onPostError = DataSetError
Left = 540
Top = 355
end
object DetailTable: TADOTable
Connection = Connection
BeforeOpen =
DetailTableBeforeOpen
AfterOpen = DataSetAfterOpen
BeforeClose = DataSetBeforeClose
AfterClose = DataSetAfterClose

ConnectionExecuteComplete
onWillExecute =
ConnectionWillExecute
onLogin = ConnectionLogin
Left = 541
Top = 162
end
object MasterTable: TADOTable
Connection = Connection
BeforeOpen =
MasterTableBeforeOpen
AfterOpen =
MasterTableAfterOpen
BeforeClose =
MasterTableBeforeClose
AfterClose = DataSetAfterClose
BeforeInsert =
DataSetBeforeInsert
AfterInsert = DataSetAfterInsert
BeforeEdit = DataSetBeforeEdit
AfterEdit = DataSetAfterEdit
BeforePost = DataSetBeforePost
AfterPost = DataSetAfterPost
BeforeCancel =
DataSetBeforeCancel
AfterCancel =
DataSetAfterCancel
BeforeDelete =
DataSetBeforeDelete
AfterDelete = DataSetAfterDelete
BeforeScroll =
DataSetBeforeScroll
AfterScroll = DataSetAfterScroll
onDeleteError = DataSetError
onEditError = DataSetError
onNewRecord =
DataSetNewRecord
onPostError = DataSetError
Left = 540
Top = 355
end
object DetailTable: TADOTable
Connection = Connection
BeforeOpen =
DetailTableBeforeOpen
AfterOpen = DataSetAfterOpen
BeforeClose = DataSetBeforeClose
AfterClose = DataSetAfterClose

BeforeOpen =
MasterProcBeforeOpen
AfterOpen =
MasterProcAfterOpen
BeforeClose = DataSetBeforeClose
AfterClose = DataSetAfterClose
BeforeInsert =
DataSetBeforeInsert
AfterInsert = DataSetAfterInsert
BeforeEdit = DataSetBeforeEdit
AfterEdit = DataSetAfterEdit
BeforePost = DataSetBeforePost
AfterPost = DataSetAfterPost
BeforeCancel =
DataSetBeforeCancel
AfterCancel =
DataSetAfterCancel
BeforeDelete =
DataSetBeforeDelete
AfterDelete = DataSetAfterDelete
BeforeScroll =
DataSetBeforeScroll
AfterScroll = DataSetAfterScroll
OnDeleteError = DataSetError
OnEditError = DataSetError
OnNewRecord =
DataSetNewRecord
OnPostError = DataSetError
Parameters = <>
Prepared = True
Left = 543
Top = 219
end
object ADODataset:
TADODataset
Connection = Connection
BeforeOpen = DataSetBeforeOpen
AfterOpen = DataSetAfterOpen
BeforeClose = DataSetBeforeClose
AfterClose = DataSetAfterClose
BeforeInsert =
DataSetBeforeInsert
AfterInsert = DataSetAfterInsert
BeforeEdit = DataSetBeforeEdit
AfterEdit = DataSetAfterEdit
BeforePost = DataSetBeforePost
AfterPost = DataSetAfterPost
BeforeCancel =

BeforeScroll =
DataSetBeforeScroll
AfterScroll = DataSetAfterScroll
OnDeleteError = DataSetError
OnEditError = DataSetError
OnNewRecord =
DataSetNewRecord
OnPostError = DataSetError
Parameters = <>
Left = 622
Top = 123
end
object DetailQuery: TADOQuery
Connection = Connection
BeforeOpen =
DetailQueryBeforeOpen
AfterOpen = DataSetAfterOpen
BeforeClose = DataSetBeforeClose
BeforeInsert =
DataSetBeforeInsert
AfterInsert = DataSetAfterInsert
BeforeEdit = DataSetBeforeEdit
AfterEdit = DataSetAfterEdit
BeforePost = DataSetBeforePost
AfterPost = DataSetAfterPost
BeforeCancel =
DataSetBeforeCancel
AfterCancel =
DataSetAfterCancel
BeforeDelete =
DataSetBeforeDelete
AfterDelete = DataSetAfterDelete
BeforeScroll =
DataSetBeforeScroll
AfterScroll = DataSetAfterScroll
OnDeleteError = DataSetError
OnEditError = DataSetError
OnNewRecord =
DataSetNewRecord
OnPostError = DataSetError
DataSource = DetailQuerySource
Parameters = <>
Left = 189
Top = 228
end
object MasterProc:
TADOStoredProc
Connection = Connection

end>
Left = 624
Top = 300
end
object Provider: TDataSetProvider
Left = 110
Top = 336
end
object DetailProc: TADOStoredProc
Connection = Connection
BeforeOpen = DetailProcBeforeOpen
AfterOpen = DataSetAfterOpen
BeforeClose = DataSetBeforeClose
AfterClose = DataSetAfterClose
BeforeInsert = DataSetBeforeInsert
AfterInsert = DataSetAfterInsert
BeforeEdit = DataSetBeforeEdit
AfterEdit = DataSetAfterEdit
BeforePost = DataSetBeforePost
AfterPost = DataSetAfterPost
BeforeCancel = DataSetBeforeCancel
AfterCancel = DataSetAfterCancel
BeforeDelete = DataSetBeforeDelete
AfterDelete = DataSetAfterDelete
BeforeScroll = DataSetBeforeScroll
AfterScroll = DataSetAfterScroll
OnDeleteError = DataSetError
OnEditError = DataSetError
OnNewRecord = DataSetNewRecord
OnPostError = DataSetError
DataSource = DetailProcSource
Parameters = <>
Prepared = True
Left = 360
Top = 252
end
object DetailProcSource: TDataSource
DataSet = MasterProc
Left = 265

DataSetBeforeCancel
AfterCancel = DataSetAfterCancel
BeforeDelete = DataSetBeforeDelete
AfterDelete = DataSetAfterDelete
BeforeScroll = DataSetBeforeScroll
AfterScroll = DataSetAfterScroll
OnDeleteError = DataSetError
OnEditError = DataSetError
OnNewRecord = DataSetNewRecord
OnPostError = DataSetError
Parameters = <>
Left = 632
Top = 243
end
object DetailMasterSource: TDataSource
DataSet = MasterTable
Left = 131
Top = 269
end
object DetailQuerySource: TDataSource
DataSet = MasterQuery
Left = 110
Top = 221
end
object MasterClientData: TClientDataSet
Aggregates = <>
Params = <>
ProviderName = 'Provider'
OnReconcileError = MasterClientDataReconcileError
Left = 228
Top = 336
end
object ADOCommand: TADOCommand
Connection = Connection
Prepared = True
Parameters = <
item
Size = -1
Value = Null

FieldName =
'NUMERIC_SCALE'
end
end
object DetailClientData:
TClientDataSet
Aggregates = <>
Params = <>
Left = 160
Top = 384
end
End
انتهى البرنامج والآن مع الصور والرسوم من إعداد علاء الدين اللباد ٠٩٤٤٥٧٥٣٧١

Top = 253
end
object FieldSchemaSource:
TDataSource
DataSet = FieldSchema
Left = 538
Top = 287
end
object FieldSchema: TADODataset
Parameters = <>
Left = 617
Top = 366
object
FieldSchemaCOLUMN_NAME:
TWideStringField
DisplayLabel = 'FieldName'
DisplayWidth = 20
FieldName =
'COLUMN_NAME'
Size = 30
end
object FieldSchemaDATA_TYPE:
TWordField
DisplayLabel = 'Type'
DisplayWidth = 20
FieldName = 'DATA_TYPE'
OnGetText =
FieldSchemaDATA_TYPEGetText
end
object
FieldSchemaCHARACTER_MAXI
MUM_LENGTH: TIntegerField
DisplayLabel = 'Size'
FieldName =
'CHARACTER_MAXIMUM_LEN
GTH'
end
object
FieldSchemaNUMERIC_PRECISIO
N: TWordField
DisplayLabel = 'Precision'
FieldName =
'NUMERIC_PRECISION'
end
object
FieldSchemaNUMERIC_SCALE:
TSmallintField
DisplayLabel = 'Scale'

الملف التنفيذي لبرنامج
(Actions)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
Actions
ProcedureS 16
unit Main;
interface
uses
Windows, Messages, SysUtils,
Variants, Classes, Graphics,
Controls, Forms,
Dialogs, StdActns, ExtActns,
ActnList, ImgList, ComCtrls,
ToolWin,
StdCtrls, Menus, Buttons, ExtCtrls,
jpeg, ListActns;
type
TForm1 = class(TForm)
ActionList1: TActionList;
ImageList1: TImageList;
RichEditBold1: TRichEditBold;

GroupedAction21: TMenuItem;
GroupedAction31: TMenuItem;
N1: TMenuItem;
AutoCheckAction1: TMenuItem;
FileRun1: TFileRun;
Label1: TLabel;
Run1: TMenuItem;
N2: TMenuItem;
FileOpen1: TFileOpen;
Open1: TMenuItem;
BrowseURL1: TBrowseURL;
DownLoadURL1: TDownLoadURL;
SendMail1: TSendMail;
GroupedAction12: TMenuItem;
BrowseURL2: TMenuItem;
DownloadURL2: TMenuItem;
SendMail2: TMenuItem;
ColorSelect1: TColorSelect;
Dialog1: TMenuItem;
SelectColor1: TMenuItem;
OpenPicture1: TOpenPicture;
FontEdit1: TFontEdit;
PreviousTab1: TPreviousTab;
NextTab1: TNextTab;
Button3: TBitBtn;
Button4: TBitBtn;
SelectFont1: TMenuItem;
OpenPicture2: TMenuItem;
PageControl2: TPageControl;
ListTab: TTabSheet;
AutoCheckTab: TTabSheet;
DialogTab: TTabSheet;
FormatTab: TTabSheet;
EditTab: TTabSheet;
SearchTab: TTabSheet;
ToolBar2: TToolBar;
ToolButton18: TToolButton;
ToolButton19: TToolButton;
ToolButton20: TToolButton;
ToolButton21: TToolButton;
Memo2: TMemo;
Image1: TImage;
Panel1: TPanel;
SpeedButton1: TSpeedButton;
Button2: TBitBtn;
Button1: TBitBtn;
ToolBar1: TToolBar;

RichEditItalic1: TRichEditItalic;
RichEditUnderline1: TRichEditUnderline;
RichEditStrikeOut1: TRichEditStrikeOut;
RichEditBullets1: TRichEditBullets;
RichEditAlignLeft1: TRichEditAlignLeft;
RichEditAlignRight1: TRichEditAlignRight;
RichEditAlignCenter1: TRichEditAlignCenter;
SearchFind1: TSearchFind;
SearchFindNext1: TSearchFindNext;
SearchReplace1: TSearchReplace;
SearchFindFirst1: TSearchFindFirst;
GroupAction1: TAction;
GroupAction2: TAction;
GroupAction3: TAction;
AutoCheckAction: TAction;
StatusBar1: TStatusBar;
MainMenu1: TMainMenu;
File1: TMenuItem;
FileExit1: TFileExit;
Exit1: TMenuItem;
Search1: TMenuItem;
Find1: TMenuItem;
FindFirst1: TMenuItem;
FindNext1: TMenuItem;
Replace1: TMenuItem;
Edit1: TMenuItem;
EditCut1: TEditCut;
EditCopy1: TEditCopy;
EditPaste1: TEditPaste;
EditSelectAll1: TEditSelectAll;
EditUndo1: TEditUndo;
EditDelete1: TEditDelete;
Cut1: TMenuItem;
Copy1: TMenuItem;
Paste1: TMenuItem;
Delete1: TMenuItem;
SelectAll1: TMenuItem;
Undo1: TMenuItem;
AutoCheck1: TMenuItem;
GroupedAction11: TMenuItem;

RadioButton2: TRadioButton;
RadioButton3: TRadioButton;
ToolButton16: TToolButton;
ToolButton17: TToolButton;
ToolButton22: TToolButton;
ToolButton23: TToolButton;
ListBox1: TListBox;
ListBox2: TListBox;
SpeedButton4: TSpeedButton;
SpeedButton5: TSpeedButton;
SpeedButton6: TSpeedButton;
SpeedButton7: TSpeedButton;
SpeedButton8: TSpeedButton;
ListControlCopySelection1: TListControlCopySelection;
ListControlDeleteSelection1: TListControlDeleteSelection;
ListControlSelectAll1: TListControlSelectAll;
ListControlClearSelection1: TListControlClearSelection;
ListControlMoveSelection1: TListControlMoveSelection;
Label8: TLabel;
Label9: TLabel;
StaticText1: TStaticText;
StaticText2: TStaticText;
StaticText3: TStaticText;
Label11: TLabel;
Label7: TLabel;
Label10: TLabel;
ShortCutTab: TTabSheet;
Button7: TBitBtn;
ShortCutAction: TAction;
HotKey1: THotKey;
Button8: TBitBtn;
AddShortCut: TAction;
Label12: TLabel;
Label13: TLabel;
ShortCutList: TListBox;
Label14: TLabel;
FileOpenWith1: TFileOpenWith;
OpenWith1: TMenuItem;
FileTab: TTabSheet;
Label3: TLabel;
Button9: TBitBtn;
Button10: TBitBtn;
FileSaveAs1: TFileSaveAs;

ToolButton5: TToolButton;
ToolButton6: TToolButton;
ToolButton7: TToolButton;
ToolButton8: TToolButton;
ToolButton11: TToolButton;
ToolButton12: TToolButton;
ToolButton1: TToolButton;
ToolButton2: TToolButton;
RichEdit1: TRichEdit;
ToolBar3: TToolBar;
ToolButton3: TToolButton;
ToolButton4: TToolButton;
ToolButton9: TToolButton;
ToolButton10: TToolButton;
ToolButton13: TToolButton;
ToolButton14: TToolButton;
Memo3: TMemo;
ListBoxTab: TTabSheet;
CheckBox2: TCheckBox;
CheckBox1: TCheckBox;
StaticListAction1: TStaticListAction;
DeleteAction: TAction;
AddAction: TAction;
ClearAction: TAction;
ActiveAction: TAction;
SetIndexAction: TAction;
Label4: TLabel;
Label5: TLabel;
Label6: TLabel;
ListView1: TListView;
ComboBoxEx1: TComboBoxEx;
AddBtn: TBitBtn;
AddEdit: TEdit;
DeleteBtn: TBitBtn;
DelEdit: TEdit;
Button5: TBitBtn;
IdxEdit: TEdit;
Button6: TBitBtn;
ActiveBtn: TBitBtn;
GroupedActions11: TMenuItem;
Previous1: TMenuItem;
Next1: TMenuItem;
ToolBar4: TToolBar;
ToolButton15: TToolButton;
SpeedButton2: TSpeedButton;
SpeedButton3: TSpeedButton;
RadioButton1: TRadioButton;

{ Private declarations }
<-----> procedure
UpdateShortCutList;
public
{ Public declarations }
end;
var
Form1: TForm1;
implementation
{ \$R *.dfm }
procedure
TForm1.FileOpen1Accept(Sender:
TObject);
begin
Label3.Caption :=
FileOpen1.Dialog.FileName;
end;
procedure
TForm1.FormCreate(Sender:
TObject);
begin
FontEdit1.Dialog.Font.Assign(Font);
// Make sure the following actions
are enabled even though they don't
do anything
GroupAction1.DisableIfNoHandler
:= False;
GroupAction2.DisableIfNoHandler
:= False;
GroupAction3.DisableIfNoHandler
:= False;
AutoCheckAction.DisableIfNoHandl
er := False;
UpdateShortCutList;
end;
procedure
TForm1.ColorSelect1Accept(Sender
: TObject);
begin
Color :=
ColorSelect1.Dialog.Color;

FilePrintSetup1: TFilePrintSetup;
N3: TMenuItem;
PrintSetup1: TMenuItem;
Memo1: TMemo;
Button11: TBitBtn;
Button12: TBitBtn;
LabeledEdit1: TLabeledEdit;
Button13: TBitBtn;
<-----> procedure
FileOpen1Accept(Sender: TObject);
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
ColorSelect1Accept(Sender:
TObject);
<-----> procedure
OpenPicture1Accept(Sender:
TObject);
<-----> procedure
FontEdit1Accept(Sender: TObject);
<-----> procedure
DeleteActionExecute(Sender:
TObject);
<-----> procedure
AddActionExecute(Sender:
TObject);
<-----> procedure
ClearActionExecute(Sender:
TObject);
<-----> procedure
ActiveActionExecute(Sender:
TObject);
<-----> procedure
SetIndexActionExecute(Sender:
TObject);
<-----> procedure
ShortCutActionExecute(Sender:
TObject);
<-----> procedure
AddShortCutExecute(Sender:
TObject);
<-----> procedure
FileSaveAs1Accept(Sender:
TObject);
<-----> procedure
SearchTabShow(Sender: TObject);
<-----> procedure
EditTabShow(Sender: TObject);
private

StaticListAction1.Active;	end;
if StaticListAction1.Active then	
ActiveBtn.Caption := 'Set InActive'	procedure
else	TForm1.OpenPicture1Accept(Sender: TObject);
ActiveBtn.Caption := 'Set Active';	begin
end;	Image1.Picture.LoadFromFile(OpenPicture1.Dialog.FileName);
	end;
procedure	
TForm1.SetIndexActionExecute(Sender: TObject);	procedure
begin	TForm1.FontEdit1Accept(Sender: TObject);
StaticListAction1.ItemIndex := StrToInt(IdxEdit.Text);	begin
end;	Font.Assign(FontEdit1.Dialog.Font);
	end;
procedure	
TForm1.ShortCutActionExecute(Sender: TObject);	procedure
begin	TForm1.DeleteActionExecute(Sender: TObject);
ShowMessage('ShortCut action executed');	begin
end;	StaticListAction1.Items.Delete(StrToInt(DelEdit.Text));
	end;
procedure	
TForm1.UpdateShortCutList;	procedure
var	TForm1.AddActionExecute(Sender: TObject);
I: Integer;	begin
begin	with StaticListAction1.Items.Add do
ShortCutList.Items.BeginUpdate;	Caption := AddEdit.Text;
try	end;
ShortCutList.Items.Clear;	
ShortCutList.Items.Add(ShortCutToText(ShortCutAction.ShortCut));	procedure
for I := 0 to ShortCutAction.SecondaryShortCuts.Count - 1 do	TForm1.ClearActionExecute(Sender: TObject);
ShortCutList.Items.Add(ShortCutToText(ShortCutAction.SecondaryShortCuts.ShortCuts[I]));	begin
finally	StaticListAction1.Items.Clear;
ShortCutList.Items.EndUpdate;	end;
end;	
end;	procedure
	TForm1.ActiveActionExecute(Sender: TObject);
procedure	begin
	StaticListAction1.Active := not

1-<---<--- (OBJECT) Form1: TForm1
Left = -4
Top = -4
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsSingle
Caption = 'Action Demo'
ClientHeight = 692
ClientWidth = 1024
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu1
OldCreateOrder = False
ShowHint = True
OnCreate = FormCreate
DesignSize = (1024 692)
PixelsPerInch = 96
TextHeight = 13
2- <---<--- (OBJECT) Label1: TLabel
Left = 6
Top = 658
Width = 197
Height = 13
Anchors = [akLeft, akBottom]
Caption = 'Below is a StatusBar with AutoHint = True'
end
<---<--- (OBJECT) Label8: TLabel
Left = 8
Top = 5
Width = 159
Height = 13
Caption = '(all of the menu items use actions)'
end
//////// (OBJECT) Label11: TLabel
Left = 7
Top = 321

TForm1.AddShortCutExecute(Sender: TObject);
begin
ShortCutAction.SecondaryShortCut s.Add(ShortCutToText(HotKey1.Ho tKey));
UpdateShortCutList;
end;
procedure TForm1.FileSaveAs1Accept(Sender: TObject);
begin
Memo1.Lines.SaveToFile(FileSaveA s1.Dialog.FileName);
end;
procedure TForm1.SearchTabShow(Sender: TObject);
begin
Memo2.SetFocus;
end;
procedure TForm1.EditTabShow(Sender: TObject);
begin
Memo3.SetFocus;
end;
end.

Actions
برنامج شامل بلغة البرمجة الدلفي
إعداد علاء الدين اللباد
٠٩٤٤٥٧٥٣٧١
(ACTION)
الملف النصي : ١٨٩ (OBJECT)

DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
end
//////// (OBJECT) PageControl2: TPageControl
Left = 5
Top = 26
Width = 470
Height = 290
ActivePage = ShortCutTab
TabOrder = 3
//////// (OBJECT) FileTab: TTabSheet
Caption = 'File'
ImageIndex = 8
//////// (OBJECT) Label3: TLabel
Left = 93
Top = 10
Width = 158
Height = 13
Caption = '(select File|Open and select a file)'
Font.Charset = DEFAULT_CHARSET
Font.Color = clRed
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) Button9: TBitBtn
Left = 6
Top = 5
Width = 75
Height = 25
Action = FileOpen1
Caption = '&Open...'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'

Width = 259
Height = 13
Caption = 'Any control with a Blue caption is connected to actions'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) StatusBar1: TStatusBar
Left = 0
Top = 673
Width = 1024
Height = 19
AutoHint = True
Panels = <>
end
//////// (OBJECT) Button3: TBitBtn
Left = 320
Top = 324
Width = 75
Height = 25
Action = PreviousTab1
Caption = '&Previous'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 1
end
//////// (OBJECT) Button4: TBitBtn
Left = 400
Top = 324
Width = 75
Height = 25
Action = NextTab1
Caption = '&Next'
Font.Charset =

Glyph.Data = {
000}
end
//////// (OBJECT) Button12:
TBitBtn
Left = 134
Top = 65
Width = 75
Height = 25
Action = FileOpenWith1
Caption = 'Open &With...'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 4
end
//////// (OBJECT) LabeledEdit1:
TLabeledEdit
Left = 219
Top = 67
Width = 161
Height = 21
EditLabel.Width = 156
EditLabel.Height = 13
EditLabel.Caption = 'Specify a
filename or leave blank'
TabOrder = 5
end
//////// (OBJECT) Button13:
TBitBtn
Left = 7
Top = 65
Width = 75
Height = 25
Action = FileRun1
Caption = '&Run...'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 6

Font.Style = []
ParentFont = False
TabOrder = 0
Glyph.Data = {
F7C}
end
//////// (OBJECT) Button10:
TBitBtn
Left = 6
Top = 35
Width = 75
Height = 25
Action = FilePrintSetup1
Caption = 'Print Set&up...'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 1
end
//////// (OBJECT) Memo1: TMemo
Left = 89
Top = 132
Width = 366
Height = 123
Lines.Strings = (
'Memo1')
TabOrder = 2
end
//////// (OBJECT) Button11:
TBitBtn
Left = 6
Top = 132
Width = 75
Height = 25
Action = FileSaveAs1
Caption = 'Save &As...'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 3

end
//////// (OBJECT) ToolButton14:
TToolButton
Left = 285
Top = 2
Action = EditSelectAll1
end
end
//////// (OBJECT) Memo3: TMemo
Left = 0
Top = 57
Width = 462
Height = 205
Align = alClient
Lines.Strings = (
'Memo3')
TabOrder = 1
end
//////// (OBJECT) StaticText2:
TStaticText
Left = 0
Top = 40
Width = 462
Height = 17
Align = alTop
Caption = '(all of these buttons
use actions)'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
end
end
//////// (OBJECT) SearchTab:
TTabSheet
Caption = 'Search'
ImageIndex = 5
OnShow = SearchTabShow
//////// (OBJECT) ToolBar2:
TToolBar
Left = 0
Top = 0
Width = 462
Height = 40

end
end
//////// (OBJECT) EditTab:
TTabSheet
Caption = 'Edit'
ImageIndex = 4
OnShow = EditTabShow
//////// (OBJECT) ToolBar3:
TToolBar
Left = 0
Top = 0
Width = 462
Height = 40
ButtonHeight = 36
ButtonWidth = 57
Caption = 'ToolBar3'
Images = ImageList1
ShowCaptions = True
TabOrder = 0
//////// (OBJECT) ToolButton3:
TToolButton
Left = 0
Top = 2
Action = EditCut1
end
//////// (OBJECT) ToolButton4:
TToolButton
Left = 57
Top = 2
Action = EditCopy1
end
//////// (OBJECT) ToolButton9:
TToolButton
Left = 114
Top = 2
Action = EditPaste1
end
//////// (OBJECT) ToolButton10:
TToolButton
Left = 171
Top = 2
Action = EditDelete1
end
//////// (OBJECT) ToolButton13:
TToolButton
Left = 228
Top = 2
Action = EditUndo1

//////// (OBJECT) StaticText3:
TStaticText
Left = 0
Top = 40
Width = 462
Height = 17
Align = alTop
Caption = '(all of these buttons use actions)'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
end
end
//////// (OBJECT) AutoCheckTab:
TTabSheet
Caption = 'AutoCheck'
ImageIndex = 1
//////// (OBJECT) SpeedButton2:
TSpeedButton
Left = 241
Top = 77
Width = 101
Height = 22
Action = GroupAction2
AllowAllUp = True
GroupIndex = 1
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) SpeedButton3:
TSpeedButton
Left = 242
Top = 51
Width = 100
Height = 22
Action = GroupAction1
AllowAllUp = True

ButtonHeight = 36
ButtonWidth = 58
Caption = 'ToolBar2'
Images = ImageList1
ShowCaptions = True
TabOrder = 0
//////// (OBJECT) ToolButton18:
TToolButton
Left = 0
Top = 2
Action = SearchFind1
end
//////// (OBJECT) ToolButton19:
TToolButton
Left = 58
Top = 2
Action = SearchFindNext1
end
//////// (OBJECT) ToolButton20:
TToolButton
Left = 116
Top = 2
Action = SearchReplace1
end
//////// (OBJECT) ToolButton21:
TToolButton
Left = 174
Top = 2
Action = SearchFindFirst1
end
end
//////// (OBJECT) Memo2: TMemo
Left = 0
Top = 57
Width = 462
Height = 205
Align = alClient
HideSelection = False
Lines.Strings = (
'Here is some sample text for testing the search and replace acti' +
'ons. Simply click one of the '
'actions to find or replace text within the memo.')
ScrollBars = ssVertical
TabOrder = 1
end

Font.Style = []
ParentFont = False
TabOrder = 0
end
//////// (OBJECT) CheckBox1:
TCheckBox
Left = 25
Top = 174
Width = 124
Height = 17
Action = AutoCheckAction
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 1
end
//////// (OBJECT) ToolBar4:
TToolBar
Left = 0
Top = 0
Width = 462
Height = 40
AutoSize = True
ButtonHeight = 36
ButtonWidth = 93
Caption = 'ToolBar4'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Images = ImageList1
ParentFont = False
ShowCaptions = True
TabOrder = 2
//////// (OBJECT) ToolButton15:
TToolButton
Left = 0
Top = 2
Action = AutoCheckAction
end
//////// (OBJECT) ToolButton16:
TToolButton

GroupIndex = 1
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) Label9: TLabel
Left = 8
Top = 243
Width = 259
Height = 13
Caption = '(all of the controls
on this tab are connected to actions)'
end
//////// (OBJECT) Label7: TLabel
Left = 9
Top = 51
Width = 170
Height = 112
AutoSize = False
Caption =
'The two checkboxes below are
both connected to the same action a'
+
'nd illustrate the use of the
AutoCheck proeprty of actions. Als'
+
'o notice the items on the
AutoCheck menu stay in sync as well
wi' +
'thout writing any code.'
WordWrap = True
end
//////// (OBJECT) CheckBox2:
TCheckBox
Left = 25
Top = 152
Width = 124
Height = 17
Action = AutoCheckAction
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'

//////// (OBJECT) RadioButton2:
TRadioButton
Left = 240
Top = 126
Width = 113
Height = 17
Action = GroupAction2
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 4
end
//////// (OBJECT) RadioButton3:
TRadioButton
Left = 240
Top = 145
Width = 113
Height = 17
Action = GroupAction3
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 5
end
end
//////// (OBJECT) ListTab:
TTabSheet
Caption = 'Static List'
//////// (OBJECT) Label4: TLabel
Left = 14
Top = 151
Width = 63
Height = 13
Caption = 'ComboBoxEx'
end
//////// (OBJECT) Label5: TLabel
Left = 193
Top = 145
Width = 39
Height = 13

Left = 93
Top = 2
Width = 8
Caption = 'ToolButton16'
ImageIndex = 0
Style = tbsSeparator
end
//////// (OBJECT) ToolButton17:
TToolButton
Left = 101
Top = 2
Action = GroupAction1
Grouped = True
Style = tbsCheck
end
//////// (OBJECT) ToolButton22:
TToolButton
Left = 194
Top = 2
Action = GroupAction2
Grouped = True
Style = tbsCheck
end
//////// (OBJECT) ToolButton23:
TToolButton
Left = 287
Top = 2
Action = GroupAction3
Grouped = True
Style = tbsCheck
end
end
//////// (OBJECT) RadioButton1:
TRadioButton
Left = 240
Top = 107
Width = 113
Height = 17
Action = GroupAction1
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 3
end

Top = 10
Width = 107
Height = 25
Action = AddAction
Caption = '&Add Item'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
end
//////// (OBJECT) AddEdit: TEdit
Left = 129
Top = 12
Width = 121
Height = 21
TabOrder = 3
Text = 'New Item'
end
//////// (OBJECT) DeleteBtn: TBitBtn
Left = 15
Top = 47
Width = 107
Height = 25
Action = DeleteAction
Caption = '&Delete Item at Index'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 4
end
//////// (OBJECT) DelEdit: TEdit
Left = 129
Top = 47
Width = 121
Height = 21
TabOrder = 5
Text = '0'
end

Caption = 'ListView'
end
//////// (OBJECT) Label6: TLabel
Left = 132
Top = 112
Width = 201
Height = 29
AutoSize = False
Caption = 'The controls below are connected to same TStaticListAction'
WordWrap = True
end
//////// (OBJECT) ListView1: TListView
Left = 190
Top = 163
Width = 143
Height = 94
Action = StaticListAction1
Columns = < item
Width = -2
WidthType = (-2)
end>
HideSelection = False
RowSelect = True
SmallImages = ImageList1
TabOrder = 0
ViewStyle = vsReport
end
//////// (OBJECT) ComboBoxEx1: TComboBoxEx
Left = 16
Top = 169
Width = 128
Height = 22
Action = StaticListAction1
ItemHeight = 16
TabOrder = 1
Text = 'StaticListAction1'
Images = ImageList1
DropDownCount = 8
end
//////// (OBJECT) AddBtn: TBitBtn
Left = 15

Action = ActiveAction
Caption = 'Set InActive'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 9
end
end
//////// (OBJECT) DialogTab: TTabSheet
Caption = 'Dialog'
ImageIndex = 2
//////// (OBJECT) Image1: TImage
Left = 0
Top = 28
Width = 462
Height = 234
Align = alClient
Proportional = True
end
//////// (OBJECT) Panel1: TPanel
Left = 0
Top = 0
Width = 462
Height = 28
Align = alTop
BevelOuter = bvNone
TabOrder = 0
//////// (OBJECT) SpeedButton1: TSpeedButton
Left = 2
Top = 2
Width = 83
Height = 22
Action = ColorSelect1
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) Button2:

//////// (OBJECT) Button5: TBitBtn
Left = 15
Top = 116
Width = 107
Height = 25
Action = ClearAction
Caption = '&Clear'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 6
end
//////// (OBJECT) IdxEdit: TEdit
Left = 129
Top = 83
Width = 121
Height = 21
TabOrder = 7
Text = '-1'
end
//////// (OBJECT) Button6: TBitBtn
Left = 15
Top = 82
Width = 107
Height = 25
Action = SetIndexAction
Caption = 'Set &Index'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 8
end
//////// (OBJECT) ActiveBtn: TBitBtn
Left = 267
Top = 10
Width = 75
Height = 25

Caption = 'ToolBar1'
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Images = ImageList1
ParentFont = False
ShowCaptions = True
TabOrder = 0
//////// (OBJECT) ToolButton5:
TToolButton
Left = 0
Top = 2
Action = RichEditBold1
end
//////// (OBJECT) ToolButton6:
TToolButton
Left = 64
Top = 2
Action = RichEditItalic1
end
//////// (OBJECT) ToolButton7:
TToolButton
Left = 128
Top = 2
Action = RichEditStrikeOut1
end
//////// (OBJECT) ToolButton8:
TToolButton
Left = 192
Top = 2
Action = RichEditUnderline1
Wrap = True
end
//////// (OBJECT) ToolButton11:
TToolButton
Left = 0
Top = 38
Action = RichEditBullets1
end
//////// (OBJECT) ToolButton12:
TToolButton
Left = 64
Top = 38
Action = RichEditAlignLeft1
end

TBitBtn
Left = 93
Top = 2
Width = 83
Height = 22
Action = FontEdit1
Caption = 'Se&lect Font...'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 0
end
//////// (OBJECT) Button1:
TBitBtn
Left = 183
Top = 2
Width = 87
Height = 22
Action = OpenPicture1
Caption = '&Open Picture...'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 1
end
end
end
//////// (OBJECT) FormatTab:
TTabSheet
Caption = 'Format'
ImageIndex = 3
//////// (OBJECT) ToolBar1:
TToolBar
Left = 0
Top = 0
Width = 462
Height = 76
AutoSize = True
ButtonHeight = 36
ButtonWidth = 64

ImageIndex = 7
//////// (OBJECT) SpeedButton4:
TSpeedButton
Left = 164
Top = 21
Width = 90
Height = 19
Action =
ListControlClearSelection1
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) SpeedButton5:
TSpeedButton
Left = 164
Top = 44
Width = 90
Height = 19
Action =
ListControlCopySelection1
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) SpeedButton6:
TSpeedButton
Left = 164
Top = 68
Width = 90
Height = 19
Action =
ListControlDeleteSelection1
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False

//////// (OBJECT) ToolButton1:
TToolButton
Left = 128
Top = 38
Action =
RichEditAlignCenter1
end
//////// (OBJECT) ToolButton2:
TToolButton
Left = 192
Top = 38
Action = RichEditAlignRight1
end
end
//////// (OBJECT) RichEdit1:
TRichEdit
Left = 0
Top = 93
Width = 462
Height = 169
Align = alClient
HideSelection = False
Lines.Strings = (
'RichEdit1')
TabOrder = 1
end
//////// (OBJECT) StaticText1:
TStaticText
Left = 0
Top = 76
Width = 462
Height = 17
Align = alTop
Caption = '(all of these buttons
use actions)'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
end
end
//////// (OBJECT) ListBoxTab:
TTabSheet
Caption = 'List'

Items.Strings = (
'one'
'two'
'three'
'four'
'five'
'six'
'seven'
'eight'
'nine'
'ten')
MultiSelect = True
TabOrder = 0
end
//////// (OBJECT) ListBox2:
TListBox
Left = 260
Top = 21
Width = 154
Height = 151
ItemHeight = 13
TabOrder = 1
end
end
//////// (OBJECT) ShortCutTab:
TTabSheet
Caption = 'ShortCuts'
ImageIndex = 7
//////// (OBJECT) Label12: TLabel
Left = 126
Top = 41
Width = 221
Height = 13
Caption = 'This action responds to the following shortcuts:'
end
//////// (OBJECT) Label13: TLabel
Left = 23
Top = 139
Width = 330
Height = 30
AutoSize = False
Caption =
'Type a shortcut key and click the Add ShortCut button to add a n'
+
'ew shortcut to the ShortCutAction'

end
//////// (OBJECT) SpeedButton7:
TSpeedButton
Left = 164
Top = 91
Width = 90
Height = 19
Action =
ListControlMoveSelection1
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) SpeedButton8:
TSpeedButton
Left = 164
Top = 115
Width = 90
Height = 19
Action = ListControlSelectAll1
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
//////// (OBJECT) Label10: TLabel
Left = 20
Top = 4
Width = 298
Height = 13
Caption = 'These list actions work on listboxes, listviews and comboboxes.'
end
//////// (OBJECT) ListBox1:
TListBox
Left = 18
Top = 21
Width = 138
Height = 151
ItemHeight = 13

Caption = 'Add ShortCut'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
end
//////// (OBJECT) ShortCutList: TListBox
Left = 126
Top = 58
Width = 121
Height = 69
ItemHeight = 13
TabOrder = 3
end
end
end
//////// (OBJECT) ActionList1: TActionList
Images = ImageList1
Left = 425
Top = 104
//////// (OBJECT) RichEditBold1: TRichEditBold
Category = 'Format'
AutoCheck = True
Caption = '&Bold'
Hint = 'Bold'
ImageIndex = 0
Shortcut = 16450
end
//////// (OBJECT) RichEditItalic1: TRichEditItalic
Category = 'Format'
AutoCheck = True
Caption = '&Italic'
Hint = 'Italic'
ImageIndex = 1
Shortcut = 16457
end
//////// (OBJECT) RichEditUnderline1: TRichEditUnderline
Category = 'Format'

FocusControl = HotKey1
WordWrap = True
end
//////// (OBJECT) Label14: TLabel
Left = 17
Top = 7
Width = 321
Height = 13
Caption = 'This tab illustrates the new SecondaryShortCuts property of TAct' + 'ion:'
end
//////// (OBJECT) Button7: TBitBtn
Left = 19
Top = 59
Width = 98
Height = 25
Action = ShortCutAction
Caption = 'ShortCut Action'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 0
end
//////// (OBJECT) HotKey1: THotKey
Left = 22
Top = 174
Width = 121
Height = 19
HotKey = 49217
Modifiers = [hkCtrl, hkAlt]
TabOrder = 1
end
//////// (OBJECT) Button8: TBitBtn
Left = 21
Top = 200
Width = 75
Height = 25
Action = AddShortCut

AutoCheck = True
Caption = '&Center'
Hint = 'Center|Centers text between margins'
ImageIndex = 7
end
//////// (OBJECT) SearchFind1: TSearchFind
Category = 'Search'
Caption = '&Find...'
Dialog.Options = [frDown, frFindNext, frHideUpDown]
Hint = 'Find|Finds the specified text'
ImageIndex = 8
ShortCut = 16454
end
//////// (OBJECT) SearchFindNext1: TSearchFindNext
Category = 'Search'
Caption = 'Find &Next'
Hint = 'Find Next|Repeats the last find'
ImageIndex = 9
SearchFind = SearchFind1
ShortCut = 114
end
//////// (OBJECT) SearchReplace1: TSearchReplace
Category = 'Search'
Caption = '&Replace'
Hint = 'Replace|Replaces specific text with different text'
ImageIndex = 10
end
//////// (OBJECT) SearchFindFirst1: TSearchFindFirst
Category = 'Search'
Caption = 'F&ind First'
Hint = 'Find First|Finds the first occurrence of specified text'
end
//////// (OBJECT) GroupAction1: TAction
Category = 'AutoCheck'
AutoCheck = True
Caption = 'Grouped Action 1'
GroupIndex = 1

AutoCheck = True
Caption = '&Underline'
Hint = 'Underline'
ImageIndex = 2
ShortCut = 16469
end
//////// (OBJECT) RichEditStrikeOut1: TRichEditStrikeOut
Category = 'Format'
AutoCheck = True
Caption = '&Strikeout'
Hint = 'Strikeout'
ImageIndex = 3
end
//////// (OBJECT) RichEditBullets1: TRichEditBullets
Category = 'Format'
AutoCheck = True
Caption = '&Bullets'
Hint = 'Bullets|Inserts a bullet on the current line'
ImageIndex = 4
end
//////// (OBJECT) RichEditAlignLeft1: TRichEditAlignLeft
Category = 'Format'
AutoCheck = True
Caption = 'Align &Left'
Hint = 'Align Left|Aligns text at the left indent'
ImageIndex = 5
end
//////// (OBJECT) RichEditAlignRight1: TRichEditAlignRight
Category = 'Format'
AutoCheck = True
Caption = 'Align &Right'
Hint = 'Align Right|Aligns text at the right indent'
ImageIndex = 6
end
//////// (OBJECT) RichEditAlignCenter1: TRichEditAlignCenter
Category = 'Format'

AC.&P

end
//////// (OBJECT) EditCut1: TEditCut
Category = 'Edit'
Caption = 'Cu&t'
Hint = 'Cut|Cuts the selection and puts it on the Clipboard'
ImageIndex = 12
ShortCut = 16472
end
//////// (OBJECT) EditCopy1: TEditCopy
Category = 'Edit'
Caption = '&Copy'
Hint = 'Copy|Copies the selection and puts it on the Clipboard'
ImageIndex = 13
ShortCut = 16451
end
//////// (OBJECT) EditPaste1: TEditPaste
Category = 'Edit'
Caption = '&Paste'
Hint = 'Paste|Inserts Clipboard contents'
ImageIndex = 14
ShortCut = 16470
end
//////// (OBJECT) EditSelectAll1: TEditSelectAll
Category = 'Edit'
Caption = 'Select &All'
Hint = 'Select All|Selects the entire document'
ShortCut = 16449
end
//////// (OBJECT) EditUndo1: TEditUndo
Category = 'Edit'
Caption = '&Undo'
Hint = 'Undo|Reverts the last action'
ImageIndex = 15
ShortCut = 16474
end
//////// (OBJECT) EditDelete1: TEditDelete
Category = 'Edit'

Hint =
'Grouped Action where only one action can be checked at any give ' +
'time'
end
//////// (OBJECT) GroupAction2: TAction
Category = 'AutoCheck'
AutoCheck = True
Caption = 'Grouped Action 2'
GroupIndex = 1
Hint =
'Grouped Action where only one action can be checked at any give ' +
'time'
end
//////// (OBJECT) GroupAction3: TAction
Category = 'AutoCheck'
AutoCheck = True
Caption = 'Grouped Action 3'
GroupIndex = 1
Hint =
'Grouped Action where only one action can be checked at any give ' +
'time'
end
//////// (OBJECT) AutoCheckAction: TAction
Category = 'AutoCheck'
AutoCheck = True
Caption = 'AutoCheck Action'
Hint =
'AutoCheck action: when it is executed it will automatically set ' + 'it''s checked state without having to write any code'
end
//////// (OBJECT) FileExit1: TFileExit
Category = 'File'
Caption = 'E&xit'
Hint = 'Exit|Quits the application'
ImageIndex = 11

item
Caption = 'five'
ImageIndex = 5
end
item
Caption = 'six'
end>
end
//////// (OBJECT) DeleteAction:
TAction
Category = 'Buttons'
Caption = '&Delete Item at Index'
Hint = 'Delete the item indicated from the StaticListAction'
OnExecute = DeleteActionExecute
end
//////// (OBJECT) AddAction:
TAction
Category = 'Buttons'
Caption = '&Add Item'
Hint = 'Add the item to the StaticListAction'
OnExecute = AddActionExecute
end
//////// (OBJECT) ClearAction:
TAction
Category = 'Buttons'
Caption = '&Clear'
Hint = 'Clear the StaticListAction'
OnExecute = ClearActionExecute
end
//////// (OBJECT) ActiveAction:
TAction
Category = 'Buttons'
Caption = 'Set InActive'
Hint = 'Toggle the Active property of the StaticListAction'
OnExecute = ActiveActionExecute
end
//////// (OBJECT) SetIndexAction:
TAction
Category = 'Buttons'
Caption = 'Set &Index'

Caption = '&Delete'
Hint = 'Delete|Erases the selection'
ImageIndex = 16
ShortCut = 46
end
//////// (OBJECT) FileRun1:
TFileRun
Category = 'File'
Browse = True
BrowseDlg.Filter = 'Programs|.exe;*.com;*.bat;*.cmd|All Files|*.*'
BrowseDlg.Options = [ofHideReadOnly, ofFileMustExist, ofEnableSizing]
BrowseDlg.Title = 'Run'
Caption = '&Run...'
Hint = 'Run|Runs an application'
Operation = 'open'
ShowCmd = scShowNormal
end
//////// (OBJECT) StaticListAction1: TStaticListAction
Category = 'List'
Caption = 'StaticListAction1'
Images = ImageList1
Items = <
item
Caption = 'zero'
ImageIndex = 0
end
item
Caption = 'one'
ImageIndex = 1
end
item
Caption = 'two'
ImageIndex = 2
end
item
Caption = 'three'
ImageIndex = 3
end
item
Caption = 'four'
ImageIndex = 4
end

Category = 'Dialog'
Caption = '&Open Picture...'
Hint = 'Open Picture'
ShortCut = 16463
OnAccept = OpenPicture1Accept
end
//////// (OBJECT) FontEdit1:
TFontEdit
Category = 'Dialog'
Caption = 'Se&lect Font...'
Dialog.Font.Charset =
DEFAULT_CHARSET
Dialog.Font.Color =
clWindowText
Dialog.Font.Height = -11
Dialog.Font.Name = 'MS Sans
Serif'
Dialog.Font.Style = []
Hint = 'Font Select'
OnAccept = FontEdit1Accept
end
//////// (OBJECT) PreviousTab1:
TPreviousTab
Category = 'Tab'
TabControl = PageControl2
Caption = '&Previous'
Enabled = False
Hint = 'Previous|Go back to the
previous tab'
end
//////// (OBJECT) NextTab1:
TNextTab
Category = 'Tab'
TabControl = PageControl2
Caption = '&Next'
Enabled = False
Hint = 'Next|Go to the next tab'
end
//////// (OBJECT)
ListControlCopySelection1:
TListControlCopySelection
Category = 'List'
Caption = 'Copy >>'
Destination = ListBox2
ListControl = ListBox1
end
//////// (OBJECT)
ListControlDeleteSelection1:

Hint = 'Set the selected item of
the StaticListAction'
OnExecute =
SetIndexActionExecute
end
//////// (OBJECT) FileOpen1:
TFileOpen
Category = 'File'
Caption = '&Open...'
Hint = 'Open|Opens an existing
file'
ImageIndex = 17
ShortCut = 16463
OnAccept = FileOpen1Accept
end
//////// (OBJECT) BrowseURL1:
TBrowseURL
Category = 'Internet'
Caption = '&Browse URL'
Hint = 'Browses to
http://www.borland.com'
URL = 'http://www.borland.com'
end
//////// (OBJECT) DownLoadURL1:
TDownLoadURL
Category = 'Internet'
Caption = '&Download URL'
Hint = 'Downloads
http://www.borland.com to a file
called "test"'
URL = 'http://www.borland.com'
Filename = 'test'
end
//////// (OBJECT) SendMail1:
TSendMail
Category = 'Internet'
Caption = '&Send Mail...'
Hint = 'Send email'
end
//////// (OBJECT) ColorSelect1:
TColorSelect
Category = 'Dialog'
Caption = 'Select &Color...'
Hint = 'Color Select'
OnAccept = ColorSelect1Accept
end
//////// (OBJECT) OpenPicture1:
TOpenPicture

Caption = 'Open &With...'
Dialog.Filter = 'All Files|*.*'
Dialog.Options = [ofHideReadOnly, ofFileMustExist, ofEnableSizing]
Dialog.Title = 'Open With'
end
//////// (OBJECT) FileSaveAs1: TFileSaveAs
Category = 'File'
Caption = 'Save &As...'
Dialog.Filter = 'Text File|*.txt|All Files|*.*'
Hint = 'Save As|Saves the active file with a new name'
ImageIndex = 18
OnAccept = FileSaveAs1Accept
end
//////// (OBJECT) FilePrintSetup1: TFilePrintSetup
Category = 'File'
Caption = 'Print Set&up...'
Hint = 'Print Setup'
end
end
//////// (OBJECT) ImageList1: TImageList
Left = 426
Top = 150
Bitmap = {
000000000000}
end
//////// (OBJECT) MainMenu1: TMainMenu
Images = ImageList1
Left = 424
Top = 58
//////// (OBJECT) File1: TMenuItem
Caption = '&File'
//////// (OBJECT) Open1: TMenuItem
Action = FileOpen1
end
//////// (OBJECT) OpenWith1: TMenuItem
Action = FileOpenWith1

TListControlDeleteSelection
Category = 'List'
Caption = 'Delete >>'
ListControl = ListBox2
end
//////// (OBJECT)
ListControlSelectAll1: TListControlSelectAll
Category = 'List'
Caption = '<< Select All'
end
//////// (OBJECT)
ListControlClearSelection1: TListControlClearSelection
Category = 'List'
Caption = 'Clear'
end
//////// (OBJECT)
ListControlMoveSelection1: TListControlMoveSelection
Category = 'List'
Caption = 'Move >>'
Destination = ListBox2
ListControl = ListBox1
end
//////// (OBJECT) ShortCutAction: TAction
Category = 'ShortCut'
Caption = 'ShortCut Action'
ShortCut = 16466
SecondaryShortCuts.Strings = (
'Ctrl+Alt+W'
'Ctrl+Alt+X'
'Ctrl+Alt+Y'
'Ctrl+Shift+Z')
OnExecute = ShortCutActionExecute
end
//////// (OBJECT) AddShortCut: TAction
Category = 'ShortCut'
Caption = 'Add ShortCut'
OnExecute = AddShortCutExecute
end
//////// (OBJECT) FileOpenWith1: TFileOpenWith
Category = 'File'

//////// (OBJECT) Search1:
TMenuItem
Caption = '&Search'
//////// (OBJECT) Find1:
TMenuItem
Action = SearchFind1
end
//////// (OBJECT) FindFirst1:
TMenuItem
Action = SearchFindFirst1
end
//////// (OBJECT) FindNext1:
TMenuItem
Action = SearchFindNext1
end
//////// (OBJECT) Replace1:
TMenuItem
Action = SearchReplace1
end
end
//////// (OBJECT) AutoCheck1:
TMenuItem
Caption = '&AutoCheck'
//////// (OBJECT)
GroupedAction11: TMenuItem
Action = GroupAction1
AutoCheck = True
end
//////// (OBJECT)
GroupedAction21: TMenuItem
Action = GroupAction2
AutoCheck = True
end
//////// (OBJECT)
GroupedAction31: TMenuItem
Action = GroupAction3
AutoCheck = True
end
//////// (OBJECT) N1: TMenuItem
Caption = '-'
end
//////// (OBJECT)
AutoCheckAction1: TMenuItem
Action = AutoCheckAction
AutoCheck = True
end
end
//////// (OBJECT)

end
//////// (OBJECT) N3: TMenuItem
Caption = '-'
end
//////// (OBJECT) PrintSetup1:
TMenuItem
Action = FilePrintSetup1
end
//////// (OBJECT) Run1:
TMenuItem
Action = FileRun1
end
//////// (OBJECT) N2: TMenuItem
Caption = '-'
end
//////// (OBJECT) Exit1:
TMenuItem
Action = FileExit1
end
end
//////// (OBJECT) Edit1:
TMenuItem
Caption = '&Edit'
//////// (OBJECT) Cut1:
TMenuItem
Action = EditCut1
end
//////// (OBJECT) Copy1:
TMenuItem
Action = EditCopy1
end
//////// (OBJECT) Paste1:
TMenuItem
Action = EditPaste1
end
//////// (OBJECT) Delete1:
TMenuItem
Action = EditDelete1
end
//////// (OBJECT) SelectAll1:
TMenuItem
Action = EditSelectAll1
end
//////// (OBJECT) Undo1:
TMenuItem
Action = EditUndo1
end
end

هذا البرنامج يحتوي على أكثر من ١٠٠ تعليمة وموضوعا مختلفا وهو برنامج شامل لكل التعليمات البرمجية السابقة التي مرت خلال الدروس السابقة وعند قدرة الطالب على تشكيل هذا البرنامج بنفسه يصبح قادرا على وضع نفسه في أول طريق البرمجة وعندها نقول له مبروك فان طريق الألف ميل يبدأ بخطوة وأنت قد قطعت أكثر من ربع المسافة لكي تصبح مبرمجا وتكون قادرا على تشكيل أي برنامج بنفسك حسب المعطيات التي توصلت إليها وبهذا البرنامج تكون قد صنعت على الأقل ٢٠ برنامجا فرعيا وأنا أو من بان من يحفظ ألف بيت شعر يستطيع أن يكتب قصيدة وبالتالي فان من يحفظ ٢٠ برنامجا مختلفا يستطيع أن يكون مبرمجا .

علاء الدين اللباد

٠٩٤٤٥٧٥٣٧١

ALAEDDI LUBBAD C.C

GroupedAction12: TMenuItem
Caption = '&Internet'
//////// (OBJECT) BrowseURL2:
TMenuItem
Action = BrowseURL1
end
//////// (OBJECT)
DownloadURL2: TMenuItem
Action = DownLoadURL1
end
//////// (OBJECT) SendMail2:
TMenuItem
Action = SendMail1
end
end
//////// (OBJECT) Dialog1:
TMenuItem
Caption = 'Dialog'
//////// (OBJECT) SelectColor1:
TMenuItem
Action = ColorSelect1
end
//////// (OBJECT) SelectFont1:
TMenuItem
Action = FontEdit1
end
//////// (OBJECT) OpenPicture2:
TMenuItem
Action = OpenPicture1
end
end
//////// (OBJECT)
GroupedActions11: TMenuItem
AutoCheck = True
Caption = 'Tab'
Checked = True
//////// (OBJECT) Previous1:
TMenuItem
Action = PreviousTab1
end
//////// (OBJECT) Next1:
TMenuItem
Action = NextTab1
end
end
end
end¹

¹ علاء الدين اللباد للمحاسبة والبرمجيات ٠٩٤٤٥٧٥٣٧١

Form1);
Application.Run;
end.
الواجهة الرئيسية (الملف التنفيذي)
unit Main;
interface
uses
Windows, Messages, SysUtils,
Variants, Classes, Graphics,
Controls, Forms,
Dialogs, StdActns, ExtActns,
ActnList, ImgList, ComCtrls,
ToolWin,
StdCtrls, Menus, Buttons, ExtCtrls,
jpeg, ListActns;
type
TForm1 = class(TForm)
ActionList1: TActionList;
ImageList1: TImageList;
RichEditBold1: TRichEditBold;
RichEditItalic1: TRichEditItalic;
RichEditUnderline1:
TRichEditUnderline;
RichEditStrikeOut1:
TRichEditStrikeOut;
RichEditBullets1:
TRichEditBullets;
RichEditAlignLeft1:
TRichEditAlignLeft;
RichEditAlignRight1:
TRichEditAlignRight;
RichEditAlignCenter1:
TRichEditAlignCenter;
SearchFind1: TSearchFind;
SearchFindNext1:
TSearchFindNext;
SearchReplace1: TSearchReplace;
SearchFindFirst1:
TSearchFindFirst;
GroupAction1: TAction;
GroupAction2: TAction;
GroupAction3: TAction;
AutoCheckAction: TAction;
StatusBar1: TStatusBar;
MainMenu1: TMainMenu;

الملف التنفيذي للبرنامج (program Actions) ويحتوي على ٣٢ (procedure) مختلفا بحيث يتعلم الطالب أكثر التعليمات البرمجية المتداولة في لغة البرمجة الدلفي ٧
program Actions;
Uses
Forms,
Main in '..\..\ÇãÉáÉ ää ÇãÈÑãÇãÌ
ÏáÝí 7\Actions\Main.pas' {Form1};
{SR *.res}
Begin
Application.Initialize;
Application.CreateForm(TForm1,

AC.&P

Button3: TBitBtn;
Button4: TBitBtn;
SelectFont1: TMenuItem;
OpenPicture2: TMenuItem;
PageControl2: TPageControl;
ListTab: TTabSheet;
AutoCheckTab: TTabSheet;
DialogTab: TTabSheet;
FormatTab: TTabSheet;
EditTab: TTabSheet;
SearchTab: TTabSheet;
ToolBar2: TToolBar;
ToolButton18: TToolButton;
ToolButton19: TToolButton;
ToolButton20: TToolButton;
ToolButton21: TToolButton;
Memo2: TMemo;
Image1: TImage;
Panel1: TPanel;
SpeedButton1: TSpeedButton;
Button2: TBitBtn;
Button1: TBitBtn;
ToolBar1: TToolBar;
ToolButton5: TToolButton;
ToolButton6: TToolButton;
ToolButton7: TToolButton;
ToolButton8: TToolButton;
ToolButton11: TToolButton;
ToolButton12: TToolButton;
ToolButton1: TToolButton;
ToolButton2: TToolButton;
RichEdit1: TRichEdit;
ToolBar3: TToolBar;
ToolButton3: TToolButton;
ToolButton4: TToolButton;
ToolButton9: TToolButton;
ToolButton10: TToolButton;
ToolButton13: TToolButton;
ToolButton14: TToolButton;
Memo3: TMemo;
ListBoxTab: TTabSheet;
CheckBox2: TCheckBox;
CheckBox1: TCheckBox;
StaticListAction1:
TStaticListAction;
DeleteAction: TAction;
AddAction: TAction;
ClearAction: TAction;

File1: TMenuItem;
FileExit1: TFileExit;
Exit1: TMenuItem;
Search1: TMenuItem;
Find1: TMenuItem;
FindFirst1: TMenuItem;
FindNext1: TMenuItem;
Replace1: TMenuItem;
Edit1: TMenuItem;
EditCut1: TEditCut;
EditCopy1: TEditCopy;
EditPaste1: TEditPaste;
EditSelectAll1: TEditSelectAll;
EditUndo1: TEditUndo;
EditDelete1: TEditDelete;
Cut1: TMenuItem;
Copy1: TMenuItem;
Paste1: TMenuItem;
Delete1: TMenuItem;
SelectAll1: TMenuItem;
Undo1: TMenuItem;
AutoCheck1: TMenuItem;
GroupedAction11: TMenuItem;
GroupedAction21: TMenuItem;
GroupedAction31: TMenuItem;
N1: TMenuItem;
AutoCheckAction1: TMenuItem;
FileRun1: TFileRun;
Label1: TLabel;
Run1: TMenuItem;
N2: TMenuItem;
FileOpen1: TFileOpen;
Open1: TMenuItem;
BrowseURL1: TBrowseURL;
DownLoadURL1:
TDownLoadURL;
SendMail1: TSendMail;
GroupedAction12: TMenuItem;
BrowseURL2: TMenuItem;
DownloadURL2: TMenuItem;
SendMail2: TMenuItem;
ColorSelect1: TColorSelect;
Dialog1: TMenuItem;
SelectColor1: TMenuItem;
OpenPicture1: TOpenPicture;
FontEdit1: TFontEdit;
PreviousTab1: TPreviousTab;
NextTab1: TNextTab;

AC.&P

StaticText1: TStaticText;
StaticText2: TStaticText;
StaticText3: TStaticText;
Label11: TLabel;
Label7: TLabel;
Label10: TLabel;
ShortCutTab: TTabSheet;
Button7: TBitBtn;
ShortCutAction: TAction;
HotKey1: THotKey;
Button8: TBitBtn;
AddShortCut: TAction;
Label12: TLabel;
Label13: TLabel;
ShortCutList: TListBox;
Label14: TLabel;
FileOpenWith1: TFileOpenWith;
OpenWith1: TMenuItem;
FileTab: TTabSheet;
Label3: TLabel;
Button9: TBitBtn;
Button10: TBitBtn;
FileSaveAs1: TFileSaveAs;
FilePrintSetup1: TFilePrintSetup;
N3: TMenuItem;
PrintSetup1: TMenuItem;
Memo1: TMemo;
Button11: TBitBtn;
Button12: TBitBtn;
LabeledEdit1: TLabeledEdit;
Button13: TBitBtn;
ALALUBBAD1: TMenuItem;
ACC1: TMenuItem;
Action1: TAction;
Window1: TMenuItem;
Show1: TMenuItem;
Hide1: TMenuItem;
N4: TMenuItem;
ArrangeAll1: TMenuItem;
Cascade1: TMenuItem;
ile1: TMenuItem;
NewWindow1: TMenuItem;
(-----procedure-----)
FileOpen1Accept(Sender: TObject);
(-----procedure-----)
FormCreate(Sender: TObject);
(-----procedure-----)
ColorSelect1Accept(Sender:

ActiveAction: TAction;
SetIndexAction: TAction;
Label4: TLabel;
Label5: TLabel;
Label6: TLabel;
ListView1: TListView;
ComboBoxEx1: TComboBoxEx;
AddBtn: TBitBtn;
AddEdit: TEdit;
DeleteBtn: TBitBtn;
DelEdit: TEdit;
Button5: TBitBtn;
IdxEdit: TEdit;
Button6: TBitBtn;
ActiveBtn: TBitBtn;
GroupedActions11: TMenuItem;
Previous1: TMenuItem;
Next1: TMenuItem;
ToolBar4: TToolBar;
ToolButton15: TToolButton;
SpeedButton2: TSpeedButton;
SpeedButton3: TSpeedButton;
RadioButton1: TRadioButton;
RadioButton2: TRadioButton;
RadioButton3: TRadioButton;
ToolButton16: TToolButton;
ToolButton17: TToolButton;
ToolButton22: TToolButton;
ToolButton23: TToolButton;
ListBox1: TListBox;
ListBox2: TListBox;
SpeedButton4: TSpeedButton;
SpeedButton5: TSpeedButton;
SpeedButton6: TSpeedButton;
SpeedButton7: TSpeedButton;
SpeedButton8: TSpeedButton;
ListControlCopySelection1: TListControlCopySelection;
ListControlDeleteSelection1: TListControlDeleteSelection;
ListControlSelectAll1: TListControlSelectAll;
ListControlClearSelection1: TListControlClearSelection;
ListControlMoveSelection1: TListControlMoveSelection;
Label8: TLabel;
Label9: TLabel;

```

(-----procedure-----)
TForm1.FileOpen1Accept(Sender:
TObject);
begin
Label3.Caption :=
FileOpen1.Dialog.FileName;
end;

(-----procedure-----)
TForm1.FormCreate(Sender:
TObject);
begin
FontEdit1.Dialog.Font.Assign(Font);
// Make sure the following actions
are enabled even though they don't
do anything
GroupAction1.DisableIfNoHandler
:= False;
GroupAction2.DisableIfNoHandler
:= False;
GroupAction3.DisableIfNoHandler
:= False;

AutoCheckAction.DisableIfNoHandl
er := False;
UpdateShortCutList;
end;

(-----procedure-----)
TForm1.ColorSelect1Accept(Sender
:TObject);
begin
Color :=
ColorSelect1.Dialog.Color;
end;

(-----procedure-----)
TForm1.OpenPicture1Accept(Sende
r: TObject);
begin
Image1.Picture.LoadFromFile(Open
Picture1.Dialog.FileName);
end;

(-----procedure-----)
TForm1.FontEdit1Accept(Sender:
TObject);
    
```

```

TObject);
(-----procedure-----)
OpenPicture1Accept(Sender:
TObject);
(-----procedure-----)
FontEdit1Accept(Sender: TObject);
(-----procedure-----)
DeleteActionExecute(Sender:
TObject);
(-----procedure-----)
AddActionExecute(Sender:
TObject);
(-----procedure-----)
ClearActionExecute(Sender:
TObject);
(-----procedure-----)
ActiveActionExecute(Sender:
TObject);
(-----procedure-----)
SetIndexActionExecute(Sender:
TObject);
(-----procedure-----)
ShortCutActionExecute(Sender:
TObject);
(-----procedure-----)
AddShortCutExecute(Sender:
TObject);
(-----procedure-----)
FileSaveAs1Accept(Sender:
TObject);
(-----procedure-----)
SearchTabShow(Sender: TObject);
(-----procedure-----)
EditTabShow(Sender: TObject);
private
{ Private declarations }
(-----procedure-----)
UpdateShortCutList;
public
{ Public declarations }
end;

var
Form1: TForm1;

implementation

{$R *.dfm}
    
```


end;
(-----procedure-----) TForm1.ShortCutActionExecute(Sender: TObject);
begin
ShowMessage('ShortCut action executed');
end;
(-----procedure-----) TForm1.UpdateShortCutList;
var
I: Integer;
begin
ShortCutList.Items.BeginUpdate;
try
ShortCutList.Items.Clear;
ShortCutList.Items.Add(ShortCutToText(ShortCutAction.ShortCut));
for I := 0 to ShortCutAction.SecondaryShortCuts.Count - 1 do
ShortCutList.Items.Add(ShortCutToText(ShortCutAction.SecondaryShortCuts.ShortCuts[I]));
finally
ShortCutList.Items.EndUpdate;
end;
end;
(-----procedure-----) TForm1.AddShortCutExecute(Sender: TObject);
begin
ShortCutAction.SecondaryShortCuts.Add(ShortCutToText(HotKey1.HotKey));
UpdateShortCutList;
end;
(-----procedure-----) TForm1.FileSaveAs1Accept(Sender: TObject);
begin

begin
Font.Assign(FontEdit1.Dialog.Font);
end;
(-----procedure-----) TForm1.DeleteActionExecute(Sender: TObject);
begin
StaticListAction1.Items.Delete(StrToInt(DelEdit.Text));
end;
(-----procedure-----) TForm1.AddActionExecute(Sender: TObject);
begin
with StaticListAction1.Items.Add do
Caption := AddEdit.Text;
end;
(-----procedure-----) TForm1.ClearActionExecute(Sender: TObject);
begin
StaticListAction1.Items.Clear;
end;
(-----procedure-----) TForm1.ActiveActionExecute(Sender: TObject);
begin
StaticListAction1.Active := not StaticListAction1.Active;
if StaticListAction1.Active then
ActiveBtn.Caption := 'Set InActive'
else
ActiveBtn.Caption := 'Set Active';
end;
(-----procedure-----) TForm1.SetIndexActionExecute(Sender: TObject);
begin
StaticListAction1.ItemIndex := StrToInt(IdxEdit.Text);

AC.&P

```
Memo1.Lines.SaveToFile(FileSaveAs1.Dialog.FileName);
end;

(-----procedure-----)
 TForm1.SearchTabShow(Sender: TObject);
begin
 Memo2.SetFocus;
end;

(-----procedure-----)
 TForm1.EditTabShow(Sender: TObject);
begin
 Memo3.SetFocus;
end;

end.
```

انتهى البرنامج ونأمل أن تكونوا قد حققتم الفائدة
المرجوة منه والله ولي التوفيق.

علاء الدين محمد اللباد

٠٩٤٤٥٧٥٣٧١

Caption = 'Marine Adventures'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -16
Font.Name = 'Times New Roman'
Font.Style = [fsItalic, fsUnderline]
ParentFont = False
end
-----< object \\Bevel1: TBevel
Left = 10
Top = 150
Width = 147
Height = 2
Style = bsRaised
end
-----< object \\Label1: TLabel
Left = 60
Top = 158
Width = 47
Height = 13
Caption = 'Loading...'
end
-----< object \\Image1: TImage
Left = 40
Top = 11
Width = 87
Height = 113
Picture.Data = {
end
end
End
-----< object \\SearchDlg: TSearchDlg
Left = 226
Top = 118
ActiveControl = DBGrid1
BorderIcons = [biSystemMenu]
BorderStyle = bsDialog
Caption = 'SearchDlg'
ClientHeight = 299
ClientWidth = 282
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET

<-----> Objects 10
الملف النصي لبرنامج
(MastApp)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
الملف النصي للبرنامج اعداد
علاء الدين اللباد
٠٩٤٤٥٧٥٣٧١
160 object
-----< object \\SplashForm: TSplashForm
Left = 605
Top = 209
ActiveControl = Panel1
BorderIcons = []
BorderStyle = bsNone
ClientHeight = 178
ClientWidth = 168
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
-----< object \\Panel1: TPanel
Left = 0
Top = 0
Width = 168
Height = 178
Align = alClient
BevelInner = bvLowered
Color = clSilver
TabOrder = 0
-----< object \\Label3: TLabel
Left = 23
Top = 125
Width = 116
Height = 19

AC.&P

dgRowSelect]
TabOrder = 2
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
OnDbClick = DBGrid1DbClick
Columns = <
item
Expanded = False
FieldName = 'PartNo'
Visible = True
end
item
Expanded = False
FieldName = 'Description'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'VendorNo'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'OnHand'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'OnOrder'
Visible = True
end
item
Expanded = False
FieldName = 'BackOrd'
Width = 64
Visible = True
end
item
Expanded = False
FieldName = 'Cost'
Width = 64

Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
-----< object \\ Label1: TLabel
Left = 9
Top = 11
Width = 69
Height = 13
Alignment = taRightJustify
AutoSize = False
Caption = 'Search Field:'
end
-----< object \\ Label2: TLabel
Left = 7
Top = 40
Width = 71
Height = 13
Alignment = taRightJustify
AutoSize = False
Caption = 'Search Text:'
end
-----< object \\ SearchButton:
TSpeedButton
Left = 248
Top = 36
Width = 23
Height = 23
Hint = 'Search'
Enabled = False
Glyph.Data = {
NumGlyphs = 2
ParentShowHint = False
ShowHint = True
OnClick = SearchButtonClick
end
-----< object \\ DBGrid1: TDBGrid
Left = 8
Top = 66
Width = 264
Height = 181
DataSource = DataSource
Options = [dgTitles, dgIndicator,
dgColLines, dgRowLines,

AC.&P

-----< object \\ TDataSource
DataSet = MastData.Parts
Left = 47
Top = 253
end
End
-----< object \\ TQueryCustDlg
Left = 372
Top = 297
ActiveControl = FromEdit
BorderIcons = [biSystemMenu]
BorderStyle = bsDialog
Caption = 'Specify Date Range'
ClientHeight = 96
ClientWidth = 318
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
-----< object \\ TBevel1: TBevel
Left = 5
Top = 6
Width = 225
Height = 84
Shape = bsFrame
end
-----< object \\ TLabel1: TLabel
Left = 12
Top = 34
Width = 23
Height = 13
Caption = '&From'
FocusControl = FromEdit
end
-----< object \\ TLabel2: TLabel

Visible = True
end
item
Expanded = False
FieldName = 'ListPrice'
Visible = True
end>
end
-----< object \\ OKBtn: TButton
Left = 115
Top = 265
Width = 75
Height = 25
Caption = '&OK'
Default = True
ModalResult = 1
TabOrder = 3
end
-----< object \\ CancelBtn: TButton
Left = 199
Top = 265
Width = 75
Height = 25
Cancel = True
Caption = '&Cancel'
ModalResult = 2
TabOrder = 4
end
-----< object \\ SearchEd: TEdit
Left = 80
Top = 36
Width = 161
Height = 21
TabOrder = 1
OnChange = SearchEdChange
OnKeyPress = SearchEdKeyPress
end
-----< object \\ OrderCombo: TComboBox
Left = 80
Top = 8
Width = 192
Height = 21
Style = csDropDownList
ItemHeight = 13
TabOrder = 0
OnChange = OrderComboChange
end

AC.&P

ShowHint = True
OnClick = PopupCalToBtnClick
end
-----< object \\ FromEdit: TEdit
Left = 46
Top = 31
Width = 147
Height = 21
TabOrder = 0
end
-----< object \\ ToEdit: TEdit
Left = 46
Top = 60
Width = 147
Height = 21
TabOrder = 1
end
-----< object \\ CancelBtn: TButton
Left = 240
Top = 34
Width = 70
Height = 25
Cancel = True
Caption = '&Cancel'
ModalResult = 2
TabOrder = 2
end
-----< object \\ OkBtn: TButton
Left = 240
Top = 6
Width = 70
Height = 25
Caption = '&OK'
Default = True
ModalResult = 1
TabOrder = 3
OnClick = OkBtnClick
end
End
////////////////////////////////////
////////
-----< object \\ PickRpt: TPickRpt
Left = 535
Top = 233
HelpContext = 5
BorderStyle = bsDialog
Caption = 'Report Selection'
ClientHeight = 106

Left = 12
Top = 63
Width = 13
Height = 13
Caption = '&To'
FocusControl = ToEdit
end
-----< object \\ Msglab: TLabel
Left = 12
Top = 11
Width = 197
Height = 16
AutoSize = False
Caption = 'Customers with LastInvoiceDate ranging:'
WordWrap = True
end
-----< object \\ PopupCalBtnFrom: TSpeedButton
Left = 197
Top = 31
Width = 21
Height = 21
Hint = 'Browse calendar'
Glyph.Data = {
33333300000033333333333333333330
00000}
Layout = blGlyphRight
ParentShowHint = False
ShowHint = True
OnClick = PopupCalBtnFromClick
end
-----< object \\ PopupCalToBtn: TSpeedButton
Left = 197
Top = 60
Width = 21
Height = 21
Hint = 'Browse calendar'
Glyph.Data = {
33333300000033333333333333333330
00000}
Layout = blGlyphRight
ParentShowHint = False

AC.&P

Left = 151
Top = 40
Width = 73
Height = 25
Caption = '&View'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ModalResult = 1
ParentFont = False
TabOrder = 2
OnClick = ViewBtnClick
end
-----< object \ ReportType: TRadioGroup
Left = 9
Top = 6
Width = 129
Height = 87
Caption = '&Report'
ItemIndex = 0
Items.Strings = ('C&ustomers Report' '&Orders Report' '&Invoice Report')
TabOrder = 3
end
End
////////////////////////////////////
-----< object \ PickOrderNoDlg: TPickOrderNoDlg
Left = 380
Top = 170
AutoScroll = False
Caption = 'Order No.'
ClientHeight = 190
ClientWidth = 166
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'

ClientWidth = 238
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
-----< object \ OKBtn: TButton
Left = 150
Top = 11
Width = 73
Height = 25
Caption = '&Print'
Default = True
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ModalResult = 1
ParentFont = False
TabOrder = 0
OnClick = OKBtnClick
end
-----< object \ CloseBtn: TButton
Left = 151
Top = 69
Width = 73
Height = 25
Cancel = True
Caption = '&Cancel'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ModalResult = 2
ParentFont = False
TabOrder = 1
end
-----< object \ ViewBtn: TButton

AC.&P

-----< object \ OrdersByDateReport: TOrdersByDateReport
Left = 0
Top = 0
Width = 816
Height = 780
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'Arial'
Font.Style = []
OldCreateOrder = True
PixelsPerInch = 96
TextHeight = 16
End
-----< object \ MainForm: TMainForm
Left = 224
Top = 122
HelpContext = 1
ActiveControl = MainPanel
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsSingle
Caption = 'Marine Adventures Order Entry'
ClientHeight = 84
ClientWidth = 401
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Menu = MainMenu
OldCreateOrder = True
OnCreate = FormCreate
OnDestroy = FormDestroy
PixelsPerInch = 96

Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
-----< object \ Label1: TLabel
Left = 5
Top = 1
Width = 94
Height = 13
Caption = '&Select an Order No.'
FocusControl = DBLookupListBox1
end
-----< object \ CancelBtn: TButton
Left = 86
Top = 160
Width = 75
Height = 25
Cancel = True
Caption = '&Cancel'
ModalResult = 2
TabOrder = 0
end
-----< object \ OKBtn: TButton
Left = 2
Top = 160
Width = 75
Height = 25
Caption = '&OK'
Default = True
ModalResult = 1
TabOrder = 1
end
-----< object \ DBLookupListBox1: TDBLookupListBox
Left = 5
Top = 16
Width = 153
Height = 134
KeyField = 'OrderNo'
ListField = 'OrderNo'
ListSource = MastData.OrdersSource
TabOrder = 2
end
End

AC.&P

Caption = 'P&arts'
Glyph.Data = {
Layout = blGlyphTop
Spacing = 3
OnClick = BrowseParts
end
-----< object \\ ReportBtn:
TSpeedButton
Left = 196
Top = 1
Width = 66
Height = 45
Hint = 'Print custom reports'
Caption = '&Reports'
Glyph.Data = {
0000}
Layout = blGlyphTop
Spacing = 0
OnClick = ReportBtnClick
end
-----< object \\ HelpBtn:
TSpeedButton
Left = 261
Top = 1
Width = 66
Height = 45
Hint = 'View technical help about
the application'
Caption = '&Help'
Glyph.Data = {
0303}
Layout = blGlyphTop
NumGlyphs = 2
Spacing = 0
OnClick = HelpBtnClick
end
-----< object \\ CloseBtn:
TSpeedButton
Left = 326
Top = 1
Width = 66
Height = 45
Hint = 'Close the application'
Caption = 'Cl&ose'
Glyph.Data = {
Layout = blGlyphTop
NumGlyphs = 2

TextHeight = 13
-----< object \\ MainPanel: TPanel
Left = 0
Top = 0
Width = 401
Height = 49
Align = alTop
ParentShowHint = False
ShowHint = True
TabOrder = 0
-----< object \\ OrderBtn:
TSpeedButton
Left = 1
Top = 1
Width = 66
Height = 45
Hint = 'Enter new order'
Caption = '&New Order'
Glyph.Data = {
33333333333333000000}
Layout = blGlyphTop
Spacing = 0
OnClick = NewOrder
end
-----< object \\ BrowseBtn:
TSpeedButton
Left = 66
Top = 1
Width = 66
Height = 45
Hint = 'Browse and edit orders'
Caption = '&Browse'
Glyph.Data = {
33333333333333365F0}
Layout = blGlyphTop
Spacing = 0
OnClick = BrowseCustOrd
end
-----< object \\ PartsBtn:
TSpeedButton
Left = 131
Top = 1
Width = 66
Height = 45
Hint = 'Browse and edit
inventory'

AC.&P

OnClick = CloseApp
end
end
-----< object \ ViewMenu:
TMenuItem
Caption = '&View'
OnClick = ViewMenuClick
-----< object \ ViewOrders:
TMenuItem
Caption = '&Orders...'
OnClick = BrowseCustOrd
end
-----< object \
ViewPartsInventory: TMenuItem
Caption = '&Parts/Inventory...'
OnClick = BrowseParts
end
-----< object \ N7: TMenuItem
Caption = '-'
end
-----< object \ ViewStayOnTop:
TMenuItem
Caption = '&Stay On Top'
OnClick = ToggleStayonTop
end
-----< object \ N1: TMenuItem
Caption = '-'
end
-----< object \ ViewLocal:
TMenuItem
Caption = '&Local Data
(Paradox Data)'
Checked = True
GroupIndex = 1
RadioItem = True
OnClick = ViewLocalClick
end
-----< object \ ViewRemote:
TMenuItem
Caption = '&Remote Data
(Local Interbase)'
GroupIndex = 1
RadioItem = True
OnClick = ViewRemoteClick
end
end
-----< object \ HelpMenu:
TMenuItem
Caption = '&Help'

Spacing = 0
OnClick = CloseApp
end
end
-----< object \ MainMenu:
TMainMenu
Left = 36
Top = 52
-----< object \ FileMenu:
TMenuItem
Caption = '&File'
-----< object \ FileNewOrder:
TMenuItem
Caption = '&New Order...'
OnClick = NewOrder
end
-----< object \ N5: TMenuItem
Caption = '-'
end
-----< object \ FilePrintReport:
TMenuItem
Caption = 'Print &Report'
-----< object \ PrintCustList:
TMenuItem
Caption = '&Customer List'
OnClick = CustomerReport
end
-----< object \ PrintOrders:
TMenuItem
Caption = '&Order History...'
OnClick = OrderReport
end
-----< object \ PrintInvoice:
TMenuItem
Caption = '&Invoice'
OnClick = InvoiceReport
end
end
-----< object \ FilePrinterSetup:
TMenuItem
Caption = 'Printer Setup...'
OnClick = PrinterSetupClick
end
-----< object \ N4: TMenuItem
Caption = '-'
end
end
-----< object \ FileExit:
TMenuItem
Caption = 'E&xit'

AC.&P

Caption = 'ListPrice'
end
-----< object \ Label6: TLabel
Left = 8
Top = 122
Width = 61
Height = 13
Caption = 'Backordered'
end
-----< object \ DBEdit2: TDBEdit
Left = 80
Top = 29
Width = 225
Height = 21
HelpContext = 6
DataField = 'Description'
DataSource = PartsSource1
TabOrder = 1
end
-----< object \ DBEdit4: TDBEdit
Left = 80
Top = 74
Width = 82
Height = 21
HelpContext = 6
DataField = 'OnHand'
DataSource = PartsSource1
TabOrder = 3
end
-----< object \ DBEdit5: TDBEdit
Left = 80
Top = 97
Width = 82
Height = 21
HelpContext = 6
DataField = 'OnOrder'
DataSource = PartsSource1
TabOrder = 4
end
-----< object \ DBEdit7: TDBEdit
Left = 80
Top = 141
Width = 102
Height = 21
HelpContext = 6
DataField = 'Cost'
DataSource = PartsSource1
TabOrder = 6

TabOrder = 1
-----< object \ Label1: TLabel
Left = 8
Top = 11
Width = 33
Height = 13
Caption = 'PartNo'
end
-----< object \ Label2: TLabel
Left = 8
Top = 33
Width = 53
Height = 13
Caption = 'Description'
end
-----< object \ Label3: TLabel
Left = 8
Top = 55
Width = 34
Height = 13
Caption = 'Vendor'
end
-----< object \ Label4: TLabel
Left = 8
Top = 77
Width = 40
Height = 13
Caption = 'OnHand'
end
-----< object \ Label5: TLabel
Left = 8
Top = 100
Width = 40
Height = 13
Caption = 'OnOrder'
end
-----< object \ Label7: TLabel
Left = 8
Top = 144
Width = 21
Height = 13
Caption = 'Cost'
end
-----< object \ Label8: TLabel
Left = 8
Top = 166
Width = 40
Height = 13

AC.&P

Left = 147
Top = 235
Width = 75
Height = 25
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 2
end
-----< object \\ TButton
Left = 232
Top = 235
Width = 75
Height = 25
Cancel = True
Caption = 'Cancel'
ModalResult = 2
TabOrder = 3
end
-----< object \\ TDataSource
DataSet = MastData.Parts
Left = 24
Top = 232
end
End
////////////////////////////////////
-----< object \\ TEdCustForm
Left = 253
Top = 134
HelpContext = 1
ActiveControl = DBEdName
BorderIcons = [biSystemMenu, biMinimize]
BorderStyle = bsDialog
Caption = 'Edit Customers'
ClientHeight = 307
ClientWidth = 376
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'

end
-----< object \\ TDBEdit
Left = 80
Top = 163
Width = 102
Height = 21
HelpContext = 6
DataField = 'ListPrice'
DataSource = PartsSource1
TabOrder = 7
end
-----< object \\ TDBEdit
Left = 80
Top = 6
Width = 102
Height = 21
HelpContext = 6
DataField = 'PartNo'
DataSource = PartsSource1
TabOrder = 0
end
-----< object \\ TDBEdit
Left = 80
Top = 119
Width = 45
Height = 21
HelpContext = 6
DataField = 'BackOrd'
DataSource = PartsSource1
TabOrder = 5
end
-----< object \\ TDBLookupComboBox
Left = 80
Top = 51
Width = 225
Height = 21
DataField = 'VendorNo'
DataSource = PartsSource1
KeyField = 'VendorNo'
ListField = 'VendorName'
ListSource = MastData.VendorSource
TabOrder = 2
end
end
-----< object \\ TButton

AC.&P

end	Font.Style = []
-----< object \\ Label6: TLabel	OldCreateOrder = True
Left = 124	Position = poScreenCenter
Top = 134	OnCloseQuery = FormCloseQuery
Width = 25	PixelsPerInch = 96
Height = 13	TextHeight = 13
Caption = 'State'	-----< object \\ Panel2: TPanel
end	Left = 0
-----< object \\ Label7: TLabel	Top = 39
Left = 192	Width = 376
Top = 134	Height = 228
Width = 43	Align = alClient
Height = 13	BevelOuter = bvNone
Caption = 'Zip Code'	TabOrder = 0
end	-----< object \\ Label1: TLabel
-----< object \\ Label8: TLabel	Left = 248
Left = 289	Top = 12
Top = 132	Width = 35
Width = 36	Height = 13
Height = 13	Caption = 'CustNo'
Caption = 'Country'	end
end	-----< object \\ Label2: TLabel
-----< object \\ Label9: TLabel	Left = 20
Left = 248	Top = 12
Top = 53	Width = 44
Width = 31	Height = 13
Height = 13	Caption = 'Company'
Caption = 'Phone'	end
end	-----< object \\ Label3: TLabel
-----< object \\ Label11: TLabel	Left = 20
Left = 284	Top = 53
Top = 186	Width = 25
Width = 44	Height = 13
Height = 13	Caption = 'Add1'
Caption = 'Tax Rate'	end
end	-----< object \\ Label4: TLabel
-----< object \\ Label13: TLabel	Left = 20
Left = 144	Top = 93
Top = 188	Width = 25
Width = 58	Height = 13
Height = 13	Caption = 'Add2'
Caption = 'Last Invoice'	end
end	-----< object \\ Label5: TLabel
-----< object \\ Label14: TLabel	Left = 20
Left = 248	Top = 133
Top = 92	Width = 17
Width = 17	Height = 13
Height = 13	Caption = 'City'

AC.&P

MastData.CustSource
TabOrder = 1
end
-----< object \\ DBEdit4: TDBEdit
Left = 19
Top = 108
Width = 205
Height = 21
DataField = 'Addr2'
DataSource =
MastData.CustSource
TabOrder = 2
end
-----< object \\ DBEdit5: TDBEdit
Left = 19
Top = 148
Width = 98
Height = 21
DataField = 'City'
DataSource =
MastData.CustSource
TabOrder = 3
end
-----< object \\ DBEdit6: TDBEdit
Left = 123
Top = 148
Width = 62
Height = 21
DataField = 'State'
DataSource =
MastData.CustSource
TabOrder = 4
end
-----< object \\ DBEdit7: TDBEdit
Left = 191
Top = 148
Width = 90
Height = 21
DataField = 'Zip'
DataSource =
MastData.CustSource
TabOrder = 5
end
-----< object \\ DBEdit8: TDBEdit
Left = 288
Top = 148
Width = 66
Height = 21

Caption = 'Fax'
end
-----< object \\ Bevel2: TBevel
Left = 8
Top = 178
Width = 345
Height = 5
Shape = bsTopLine
end
-----< object \\ Label10: TLabel
Left = 16
Top = 188
Width = 37
Height = 13
Caption = 'Contact'
end
-----< object \\ DBEdCustNo:
TDBEdit
Left = 247
Top = 28
Width = 69
Height = 21
Color = clSilver
DataField = 'CustNo'
DataSource =
MastData.CustSource
Enabled = False
ReadOnly = True
TabOrder = 12
end
-----< object \\ DBEdName:
TDBEdit
Left = 19
Top = 28
Width = 205
Height = 21
DataField = 'Company'
DataSource =
MastData.CustSource
TabOrder = 0
end
-----< object \\ DBEdit3: TDBEdit
Left = 19
Top = 68
Width = 205
Height = 21
DataField = 'Addr1'
DataSource =

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Left = 247
Top = 106
Width = 106
Height = 21
DataField = 'FAX'
DataSource = MastData.CustSource
TabOrder = 8
end
end
-----< object \ Panel: TPanel
Left = 0
Top = 0
Width = 376
Height = 39
Align = alTop
BevelOuter = bvNone
BorderWidth = 2
TabOrder = 1
-----< object \ PrintBtn: TSpeedButton
Left = 339
Top = 5
Width = 25
Height = 25
Hint = 'Print form image'
Glyph.Data = {333333333333300000}
OnClick = PrintBtnClick
end
-----< object \ Bevel1: TBevel
Left = 2
Top = 35
Width = 372
Height = 2
Align = alBottom
Shape = bsTopLine
end
-----< object \ DBNavigator: TDBNavigator
Left = 19
Top = 5
Width = 250
Height = 25
DataSource = MastData.CustSource
ParentShowHint = False
ShowHint = True

DataField = 'Country'
DataSource = MastData.CustSource
TabOrder = 6
end
-----< object \ DBEdit9: TDBEdit
Left = 247
Top = 68
Width = 106
Height = 21
DataField = 'Phone'
DataSource = MastData.CustSource
TabOrder = 7
end
-----< object \ DBEdit11: TDBEdit
Left = 283
Top = 203
Width = 54
Height = 21
DataField = 'TaxRate'
DataSource = MastData.CustSource
TabOrder = 11
end
-----< object \ DBEdit12: TDBEdit
Left = 15
Top = 203
Width = 118
Height = 21
DataField = 'Contact'
DataSource = MastData.CustSource
TabOrder = 9
end
-----< object \ DBEditInv: TDBEdit
Left = 143
Top = 203
Width = 131
Height = 21
DataField = 'LastInvoiceDate'
DataSource = MastData.CustSource
TabOrder = 10
end
-----< object \ DBEdit14: TDBEdit

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Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
-----< object \\ Panel1: TPanel
Left = 0
Top = 0
Width = 384
Height = 37
HelpContext = 4
Align = alTop
BevelOuter = bvNone
BorderWidth = 3
TabOrder = 0
-----< object \\ ActivateBtn:
TSpeedButton
Left = 284
Top = 4
Width = 85
Height = 25
AllowAllUp = True
GroupIndex = 1
Caption = 'Backorders'
OnClick = ActivateQuery
end
-----< object \\ Bevel1: TBevel
Left = 3
Top = 32
Width = 378
Height = 2
Align = alBottom
Shape = bsTopLine
end
-----< object \\ Navigator:
TDBNavigator
Left = 8
Top = 4
Width = 135
Height = 25
DataSource =
MastData.PartsSource

TabOrder = 0
end
end
-----< object \\ Panel1: TPanel
Left = 0
Top = 267
Width = 376
Height = 40
Align = alBottom
BevelOuter = bvNone
TabOrder = 2
-----< object \\ CancelButton:
TButton
Left = 292
Top = 8
Width = 75
Height = 25
Cancel = True
Caption = 'Cancel'
ModalResult = 2
TabOrder = 0
end
-----< object \\ OKButton:
TButton
Left = 204
Top = 8
Width = 75
Height = 25
Caption = 'OK'
Default = True
ModalResult = 1
TabOrder = 1
end
end
End
////////////////////////////////////
-----< object \\ BrPartsForm:
TBrPartsForm
Left = 229
Top = 151
HelpContext = 4
BorderIcons = [biSystemMenu]
BorderStyle = bsDialog
Caption = 'Browse Parts'
ClientHeight = 235
ClientWidth = 384
Color = clBtnFace

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Height = 20
Glyph.Data = {
3300333333333333300}
OnClick = NextMonthBtnClick
end
-----< object \\ Calendar1:
TCalendar
Left = 22
Top = 41
Width = 318
Height = 136
Color = clInfoBk
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
StartOfWeek = 0
TabOrder = 0
UseCurrentDate = False
OnChange = Calendar1Change
end
-----< object \\ OkBtn: TButton
Left = 204
Top = 189
Width = 73
Height = 25
Caption = '&OK'
Default = True
ModalResult = 1
TabOrder = 1
end
-----< object \\ CancelBtn: TButton
Left = 284
Top = 189
Width = 73
Height = 25
Caption = '&Cancel'
ModalResult = 2
TabOrder = 2
end
End
////////////////////////////////////
////

Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
-----< object \\ Bevel1: TBevel
Left = 16
Top = 8
Width = 330
Height = 177
Shape = bsFrame
end
-----< object \\ TitleLabel: TLabel
Left = 54
Top = 18
Width = 257
Height = 13
Alignment = taCenter
AutoSize = False
Caption = 'February, 1995'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
-----< object \\ PrevMonthBtn:
TSpeedButton
Left = 22
Top = 16
Width = 20
Height = 20
Glyph.Data = {
OnClick = PrevMonthBtnClick
end
-----< object \\ NextMonthBtn:
TSpeedButton
Left = 320
Top = 16
Width = 20

AC.&P

Font.Style = [fsBold]
ParentFont = False
IsControl = True
end
-----< object \ Version: TLabel
Left = 128
Top = 40
Width = 65
Height = 13
Caption = 'Version 3.0'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
IsControl = True
end
-----< object \ Copyright: TLabel
Left = 16
Top = 136
Width = 258
Height = 13
Caption = 'Copyright 1995,1997
Marine Adventures, Inc.'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
IsControl = True
end
end
-----< object \ Button1: TButton
Left = 114
Top = 180
Width = 75
Height = 25
Cancel = True
Caption = '&OK'
Default = True
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11

-----< object \ AboutBox:
TAboutBox
Left = 239
Top = 127
BorderStyle = bsDialog
Caption = 'About'
ClientHeight = 210
ClientWidth = 304
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -13
Font.Name = 'System'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 16
-----< object \ Panel1: TPanel
Left = 8
Top = 8
Width = 289
Height = 161
BevelInner = bvRaised
BevelOuter = bvLowered
TabOrder = 0
-----< object \ ProgramIcon:
TImage
Left = 8
Top = 8
Width = 105
Height = 105
Picture.Data = {
IsControl = True
end
-----< object \ ProductName:
TLabel
Left = 128
Top = 16
Width = 35
Height = 13
Caption = 'MAST'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'

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end
-----< object \\ OKBtn: TButton
Left = 2
Top = 160
Width = 75
Height = 25
Caption = '&OK'
Default = True
ModalResult = 1
TabOrder = 1
end
-----< object \\ DBLookupListBox1: TDBLookupListBox
Left = 5
Top = 16
Width = 153
Height = 134
KeyField = 'OrderNo'
ListField = 'OrderNo'
ListSource = MastData.OrdersSource
TabOrder = 2
end
End
انتهى الملف النصي ع ل
////////////////////////////////////
////////

Font.Name = 'MS Sans Serif'
Font.Style = []
ModalResult = 1
ParentFont = False
TabOrder = 1
end
End
////////////////////////////////////
////////
-----< object \\ PickOrderNoDlg: TPickOrderNoDlg
Left = 236
Top = 124
AutoScroll = False
Caption = 'Order No.'
ClientHeight = 190
ClientWidth = 166
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
-----< object \\ Label1: TLabel
Left = 5
Top = 1
Width = 94
Height = 13
Caption = '&Select an Order No.'
FocusControl = DBLookupListBox1
end
-----< object \\ CancelBtn: TButton
Left = 86
Top = 160
Width = 75
Height = 25
Cancel = True
Caption = '&Cancel'
ModalResult = 2
TabOrder = 0

unit SrchDlg;
interface
uses
SysUtils, Windows, Messages, Classes, Graphics, Controls, Forms, Dialogs, DBTables, DB, StdCtrls, ExtCtrls, Grids, DBGrids, Buttons;
type
TSearchDlg = class(TForm)
DataSource: TDataSource;
DBGrid1: TDBGrid;
OKBtn: TButton;
CancelBtn: TButton;
SearchEd: TEdit;
OrderCombo: TComboBox;
Label1: TLabel;
Label2: TLabel;
SearchButton: TSpeedButton;
<-----> procedure DBGrid1Db1Click(Sender: TObject);
<-----> procedure SearchButtonClick(Sender: TObject);
<-----> procedure OrderComboChange(Sender: TObject);
<-----> procedure SearchEdKeyPress(Sender: TObject; var Key: Char);
<-----> procedure SearchEdChange(Sender: TObject);
<-----> procedure FormCreate(Sender: TObject);
private
SrchFld: TField;
function GetCustNo: Double;
<-----> procedure SetCustNo(NewCustNo: Double);
function GetPartNo: Double;
<-----> procedure SetPartNo(NewPartNo: Double);
public

Procedures 43
الملف التنفيذي لبرنامج
(MastApp)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
unit Splash;
interface
uses
SysUtils, Windows, Messages, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, ExtCtrls;
type
TSplashForm = class(TForm)
Panel1: TPanel;
Label3: TLabel;
Bevel1: TBevel;
Label1: TLabel;
Image1: TImage;
<-----> procedure Panel1Click(Sender: TObject);
end;
var
SplashForm: TSplashForm;
implementation
{SR *.dfm}
procedure TSplashForm.Panel1Click(Sender: TObject);
begin
end;
end.

AC.&P

function
TSearchDlg.ShowModalCust:
Integer;
begin
OrderCombo.Items.Clear;
OrderCombo.Items.Add('Company'
);
OrderCombo.Items.Add('CustNo');
OrderCombo.ItemIndex := 0;
Datasource.Dataset :=
MastData.Cust;
OrderComboChange(nil);
Caption := 'Select a Customer';
Result := ShowModal;
end;
function
TSearchDlg.ShowModalParts:
Integer;
begin
OrderCombo.Items.Clear;
OrderCombo.Items.Add('Descriptio
n');
OrderCombo.Items.Add('PartNo');
OrderCombo.ItemIndex := 0;
Datasource.Dataset :=
MastData.Parts;
OrderComboChange(nil);
Caption := 'Select a Part';
Result := ShowModal;
end;
procedure
TSearchDlg.DBGrid1DbClick(Send
er: TObject);
begin
ModalResult := mrOK;
end;
procedure
TSearchDlg.SearchButtonClick(Sen
der: TObject);
begin
if not
Datasource.Dataset.Locate(OrderCo
mba.Text, SearchEd.Text,
[loCaseInsensitive, loPartialKey])

property PartNo: Double read
GetPartNo write SetPartNo;
property CustNo: Double read
GetCustNo write SetCustNo;
function ShowModalCust:
Integer;
function ShowModalParts:
Integer;
end;
var
SearchDlg: TSearchDlg;
implementation
uses DataMod;
{SR *.dfm}
function TSearchDlg.GetCustNo:
Double;
begin
Result :=
MastData.CustCustNo.Value;
end;
procedure
TSearchDlg.SetCustNo(NewCustNo:
Double);
begin
MastData.Cust.Locate('CustNo',
NewCustNo, []);
end;
function TSearchDlg.GetPartNo:
Double;
begin
Result :=
MastData.PartsPartNo.Value;
end;
procedure
TSearchDlg.SetPartNo(NewPartNo:
Double);
begin
MastData.Parts.Locate('PartNo',
NewPartNo, []);
end;

AC.&P

```

interface
uses
  SysUtils, Windows, Messages,
  Classes, Graphics, Controls,
  Forms, Dialogs, DBTables, DB,
  StdCtrls, ExtCtrls, Grids, DBGrids,
  Buttons;

type
  TSearchDlg = class(TForm)
  DataSource: TDataSource;
  DBGrid1: TDBGrid;
  OKBtn: TButton;
  CancelBtn: TButton;
  SearchEd: TEdit;
  OrderCombo: TComboBox;
  Label1: TLabel;
  Label2: TLabel;
  SearchButton: TSpeedButton;
  <-----> procedure
  DBGrid1DblClick(Sender:
  TObject);
  <-----> procedure
  SearchButtonClick(Sender:
  TObject);
  <-----> procedure
  OrderComboChange(Sender:
  TObject);
  <-----> procedure
  SearchEdKeyPress(Sender:
  TObject; var Key: Char);
  <-----> procedure
  SearchEdChange(Sender: TObject);
  <-----> procedure
  FormCreate(Sender: TObject);
  private
  SrchFld: TField;
  function GetCustNo: Double;
  <-----> procedure
  SetCustNo(NewCustNo: Double);
  function GetPartNo: Double;
  <-----> procedure
  SetPartNo(NewPartNo: Double);
  public
  property PartNo: Double read
  GetPartNo write SetPartNo;
  property CustNo: Double read
  
```

```

then
  MessageDlg('No matching record
  found.', mtInformation, [mbOK], 0);
end;

procedure
  TSearchDlg.OrderComboChange(Se
  nder: TObject);
begin
  SrchFld :=
  Datasource.Dataset.FieldByName(O
  rderCombo.Text);
  SearchEd.Text := '';
end;

procedure
  TSearchDlg.SearchEdKeyPress(Sen
  der: TObject; var Key: Char);
begin
  if Assigned(SrchFld) and (Key > ' ')
  and not (SrchFld.IsValidChar(Key))
  then
  begin
  MessageBeep(0);
  Key := #0;
  end;
end;

procedure
  TSearchDlg.SearchEdChange(Sende
  r: TObject);
begin
  SearchButton.Enabled :=
  SearchEd.Text <> '';
end;

procedure
  TSearchDlg.FormCreate(Sender:
  TObject);
begin
end;

end.
.

unit SrchDlg;
  
```


AC.&P

begin	GetCustNo write SetCustNo;
OrderCombo.Items.Clear;	function ShowModalCust:
OrderCombo.Items.Add('Company');	Integer;
OrderCombo.Items.Add('CustNo');	function ShowModalParts:
OrderCombo.ItemIndex := 0;	Integer;
Datasource.Dataset := MastData.Cust;	end;
OrderComboChange(nil);	var
Caption := 'Select a Customer';	SearchDlg: TSearchDlg;
Result := ShowModal;	
end;	implementation
function TSearchDlg.ShowModalParts:	uses DataMod;
Integer;	
begin	{SR *.dfm}
OrderCombo.Items.Clear;	
OrderCombo.Items.Add('Description');	function TSearchDlg.GetCustNo:
OrderCombo.Items.Add('PartNo');	Double;
OrderCombo.ItemIndex := 0;	begin
Datasource.Dataset := MastData.Parts;	Result := MastData.CustCustNo.Value;
OrderComboChange(nil);	end;
Caption := 'Select a Part';	
Result := ShowModal;	procedure TSearchDlg.SetCustNo(NewCustNo: Double);
end;	begin
	MastData.Cust.Locate('CustNo', NewCustNo, []);
procedure TSearchDlg.DBGrid1DbClick(Sender: TObject);	end;
begin	
ModalResult := mrOK;	function TSearchDlg.GetPartNo:
end;	Double;
	begin
procedure TSearchDlg.SearchButtonClick(Sender: TObject);	Result := MastData.PartsPartNo.Value;
begin	end;
if not Datasource.Dataset.Locate(OrderCombo.Text, SearchEd.Text, [loCaseInsensitive, loPartialKey]) then	procedure TSearchDlg.SetPartNo(NewPartNo: Double);
MessageDlg('No matching record found.', mtInformation, [mbOK], 0);	begin
	MastData.Parts.Locate('PartNo', NewPartNo, []);
	end;
	function TSearchDlg.ShowModalCust:
	Integer;

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Classes, Graphics, Controls, Forms, Dialogs, DBTables, DB, StdCtrls, ExtCtrls, Grids, DBGrids, Buttons;	end;
type	procedure TSearchDlg.OrderComboChange(Sen der: TObject);
TSearchDlg = class(TForm)	begin
DataSource: TDataSource;	SrchFld := Datasource.Dataset.FieldByName(O rderCombo.Text);
DBGrid1: TDBGrid;	SearchEd.Text := '';
OKBtn: TButton;	end;
CancelBtn: TButton;	procedure TSearchDlg.SearchEdKeyPress(Sen der: TObject; var Key: Char);
SearchEd: TEdit;	begin
OrderCombo: TComboBox;	if Assigned(SrchFld) and (Key > ' ') and not (SrchFld.IsValidChar(Key)) then
Label1: TLabel;	begin
Label2: TLabel;	MessageBeep(0);
SearchButton: TSpeedButton;	Key := #0;
<-----> procedure DBGrid1DbClick(Sender: TObject);	end;
<-----> procedure SearchButtonClick(Sender: TObject);	end;
<-----> procedure OrderComboChange(Sender: TObject);	procedure TSearchDlg.SearchEdChange(Sende r: TObject);
<-----> procedure SearchEdKeyPress(Sender: TObject; var Key: Char);	begin
<-----> procedure SearchEdChange(Sender: TObject);	SearchButton.Enabled := SearchEd.Text <> '';
<-----> procedure FormCreate(Sender: TObject);	end;
private	procedure TSearchDlg.FormCreate(Sender: TObject);
SrchFld: TField;	begin
function GetCustNo: Double;	end;
<-----> procedure SetCustNo(NewCustNo: Double);	end.
function GetPartNo: Double;	unit SrchDlg;
<-----> procedure SetPartNo(NewPartNo: Double);	interface
public	uses
property PartNo: Double read GetPartNo write SetPartNo;	SysUtils, Windows, Messages,
property CustNo: Double read GetCustNo write SetCustNo;	
function ShowModalCust: Integer;	
function ShowModalParts: Integer;	

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OrderCombo.Items.Add('CustNo');	end;
OrderCombo.ItemIndex := 0;	
Datasource.Dataset :=	var
MastData.Cust;	SearchDlg: TSearchDlg;
OrderComboChange(nil);	
Caption := 'Select a Customer';	implementation
Result := ShowModal;	
end;	uses DataMod;
function	{SR *.dfm}
TSearchDlg.ShowModalParts:	
Integer;	function TSearchDlg.GetCustNo:
begin	Double;
OrderCombo.Items.Clear;	begin
	Result :=
OrderCombo.Items.Add('Description');	MastData.CustCustNo.Value;
OrderCombo.Items.Add('PartNo');	end;
OrderCombo.ItemIndex := 0;	
Datasource.Dataset :=	procedure
MastData.Parts;	TSearchDlg.SetCustNo(NewCustNo:
OrderComboChange(nil);	Double);
Caption := 'Select a Part';	begin
Result := ShowModal;	MastData.Cust.Locate('CustNo',
end;	NewCustNo, []);
	end;
procedure	function TSearchDlg.GetPartNo:
TSearchDlg.DBGrid1DbClick(Sender: TObject);	Double;
begin	begin
ModalResult := mrOK;	Result :=
end;	MastData.PartsPartNo.Value;
	end;
procedure	procedure
TSearchDlg.SearchButtonClick(Sender: TObject);	TSearchDlg.SetPartNo(NewPartNo:
begin	Double);
if not	begin
Datasource.Dataset.Locate(OrderCombo.Text, SearchEd.Text,	MastData.Parts.Locate('PartNo',
[loCaseInsensitive, loPartialKey])	NewPartNo, []);
then	end;
MessageDlg('No matching record found.', mtInformation, [mbOK], 0);	
end;	function
	TSearchDlg.ShowModalCust:
	Integer;
	begin
procedure	OrderCombo.Items.Clear;
TSearchDlg.OrderComboChange(Sender: TObject);	
	OrderCombo.Items.Add('Company');

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```

type
  TQueryCustDlg = class(TForm)
    Label1: TLabel;
    Label2: TLabel;
    FromEdit: TEdit;
    ToEdit: TEdit;
    CancelBtn: TButton;
    OkBtn: TButton;
    Mslab: TLabel;
    PopupCalBtnFrom:
    TSpeedButton;
    PopupCalToBtn: TSpeedButton;
    Bevel1: TBevel;
  <-----> procedure
  OkBtnClick(Sender: TObject);
  <-----> procedure
  PopupCalBtnFromClick(Sender:
  TObject);
  <-----> procedure
  PopupCalToBtnClick(Sender:
  TObject);
  <-----> procedure
  FormCreate(Sender: TObject);
  private
    function GetFromDate:
    TDateTime;
    function GetToDate: TDateTime;
  <-----> procedure
  SetFromDate(NewDate:
  TDateTime);
  <-----> procedure
  SetToDate(NewDate: TDateTime);
  public
    property FromDate: TDateTime
    read GetFromDate write
    SetFromDate;
    property ToDate: TDateTime
    read GetToDate write SetToDate;
  end;
var
  QueryCustDlg: TQueryCustDlg;
implementation
  {$R *.dfm}
  uses Pickdate;
  
```

```

begin
  SrchFld :=
  Datasource.Dataset.FieldByName(O
  rderCombo.Text);
  SearchEd.Text := '';
end;

procedure
  TSearchDlg.SearchEdKeyPress(Sen
  der: TObject; var Key: Char);
begin
  if Assigned(SrchFld) and (Key > ' ')
  and not (SrchFld.IsValidChar(Key))
  then
    begin
      MessageBeep(0);
      Key := #0;
    end;
end;

procedure
  TSearchDlg.SearchEdChange(Sende
  r: TObject);
begin
  SearchButton.Enabled :=
  SearchEd.Text <> '';
end;

procedure
  TSearchDlg.FormCreate(Sender:
  TObject);
begin
end;
end.

unit QryCust;

interface

uses
  SysUtils, Windows, Messages,
  Classes, Graphics, Controls,
  Forms, Dialogs, StdCtrls, ExtCtrls,
  Buttons;
  
```

AC.&P

ShowMessage(' Invalid date specified');	procedure
ModalResult := mrNone;	TQueryCustDlg.SetFromDate(NewDate: TDateTime);
end;	begin
end;	FromEdit.Text := DateToStr(NewDate);
	end;
procedure	procedure
TQueryCustDlg.PopupCalBtnFromClick(Sender: TObject);	TQueryCustDlg.SetToDate(NewDate: TDateTime);
begin	begin
BrDateForm.Date := StrToDate(FromEdit.Text); { start with current date }	ToEdit.Text := DateToStr(NewDate);
if BrDateForm.ShowModal = mrOk then	end;
FromEdit.Text := DateToStr(BrDateForm.Date);	
end;	function
	TQueryCustDlg.GetFromDate: TDateTime;
procedure	begin
TQueryCustDlg.PopupCalToBtnClick(Sender: TObject);	if FromEdit.Text = '' then Result := 0
begin	else Result := StrToDate(FromEdit.Text);
BrDateForm.Date := StrToDate(ToEdit.Text); { start with current date }	end;
if BrDateForm.ShowModal = mrOk then	
ToEdit.Text := DateToStr(BrDateForm.Date);	function
end;	TQueryCustDlg.GetToDate: TDateTime;
	begin
procedure	if ToEdit.Text = '' then Result := 0
TQueryCustDlg.FormCreate(Sender: TObject);	else Result := StrToDate(ToEdit.Text);
begin	end;
MsgLab.Caption := 'Customers with LastInvoiceDate ranging:';	
FromDate := EncodeDate(1995, 01, 01);	procedure
ToDate := Now;	TQueryCustDlg.OkBtnClick(Sender: TObject);
end;	begin
	try
end.	if (ToDate <> 0) and (ToDate < FromDate) then
	begin
	ShowMessage('"TO" date cannot be less than "FROM" date');
	ModalResult := mrNone;
	end
unit Pickrep;	else ModalResult := mrOk;
	except

AC.&P

end.
unit Pickrep;
interface
uses Windows, Classes, Graphics, Forms, Controls, Buttons, StdCtrls, ExtCtrls;
type
TPickRpt = class(TForm)
OKBtn: TButton;
CloseBtn: TButton;
ViewBtn: TButton;
ReportType: TRadioGroup;
<-----> procedure OKBtnClick(Sender: TObject);
<-----> procedure ViewBtnClick(Sender: TObject);
<-----> procedure FormCreate(Sender: TObject);
public
Preview : Boolean;
end;
var
PickRpt: TPickRpt;
implementation
{SR *.dfm}
procedure TPickRpt.OKBtnClick(Sender: TObject);
begin
Preview := False;
end;
procedure TPickRpt.ViewBtnClick(Sender: TObject);
begin
Preview := True;
end;

interface
uses Windows, Classes, Graphics, Forms, Controls, Buttons, StdCtrls, ExtCtrls;
type
TPickRpt = class(TForm)
OKBtn: TButton;
CloseBtn: TButton;
ViewBtn: TButton;
ReportType: TRadioGroup;
<-----> procedure OKBtnClick(Sender: TObject);
<-----> procedure ViewBtnClick(Sender: TObject);
<-----> procedure FormCreate(Sender: TObject);
public
Preview : Boolean;
end;
var
PickRpt: TPickRpt;
implementation
{SR *.dfm}
procedure TPickRpt.OKBtnClick(Sender: TObject);
begin
Preview := False;
end;
procedure TPickRpt.ViewBtnClick(Sender: TObject);
begin
Preview := True;
end;
procedure TPickRpt.FormCreate(Sender: TObject);
begin
end;

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```

procedure
TPickRpt.ViewBtnClick(Sender:
TObject);
begin
  Preview := True;
end;

procedure
TPickRpt.FormCreate(Sender:
TObject);
begin
end;
end.

unit PickInvc;

interface

uses
  Windows, Messages, SysUtils,
  Classes, Graphics, Controls, Forms,
  Dialogs,
  StdCtrls, DBCtrls;

type
  TPickOrderNoDlg = class(TForm)
    CancelBtn: TButton;
    OKBtn: TButton;
    DBLookupListBox1:
    TDBLookupListBox;
    Label1: TLabel;
  <-----> procedure
  FormShow(Sender: TObject);
  <-----> procedure
  DBLookupListBox1Click(Sender:
  TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  PickOrderNoDlg:
  TPickOrderNoDlg;
    
```

```

procedure
TPickRpt.FormCreate(Sender:
TObject);
begin
end;
end.

unit Pickrep;

interface

uses Windows, Classes, Graphics,
Forms, Controls, Buttons,
StdCtrls, ExtCtrls;

type
  TPickRpt = class(TForm)
    OKBtn: TButton;
    CloseBtn: TButton;
    ViewBtn: TButton;
    ReportType: TRadioGroup;
  <-----> procedure
  OKBtnClick(Sender: TObject);
  <-----> procedure
  ViewBtnClick(Sender: TObject);
  <-----> procedure
  FormCreate(Sender: TObject);
  public
    Preview : Boolean;
  end;
var
  PickRpt: TPickRpt;

implementation

{$R *.dfm}

procedure
TPickRpt.OKBtnClick(Sender:
TObject);
begin
  Preview := False;
end;
    
```

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```

TOrdersByDateReport;
implementation
{$R *.dfm}
procedure
TOrdersByDateReport.FormCreate(
Sender: TObject);
begin
end;
end.
    
```

```

implementation
uses DataMod;
{$R *.dfm}
procedure
TPickOrderNoDlg.FormShow(Sende
r: TObject);
begin
MastData.Orders.Open;
end;
procedure
TPickOrderNoDlg.DBLookupListBo
x1Click(Sender: TObject);
begin
end;
end.
unit OrderRpt;
interface
uses SysUtils, Windows, Messages,
Classes, Graphics, Controls,
StdCtrls, ExtCtrls, Forms,
Quickrpt, QRCtrls;
type
TOrdersByDateReport =
class(TQuickRep)
<-----> procedure
FormCreate(Sender: TObject);
private
public
end;
var
OrdersByDateReport:
    
```


BackWall.Color = clWhite
Foot.Alignment = taLeftJustify
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = ('Left drag (Up/Down) to Zoom. Right drag to Scroll. Invert Zoom r' + 'ectangle to reset.')
Title.Alignment = taRightJustify
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -15
Title.Font.Name = 'Arial'
Title.Font.Style = [fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('This demo shows the Bubble chart Type.' 'Each Point is a Bubble with a custom Radius, Color and Label.')
BackColor = clWhite
BottomAxis.LabelsAngle = 90
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clTeal
BottomAxis.LabelsFont.Height = - 12
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = []
BottomAxis.Title.Font.Charset = DEFAULT_CHARSET
BottomAxis.Title.Font.Color = clGreen
BottomAxis.Title.Font.Height = - 16
BottomAxis.Title.Font.Name = 'Arial'
BottomAxis.Title.Font.Style = [fsItalic]

Objects643
الملف لبرنامج
(TeeChart)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
برنامج يتعلق بالرسوم البيانية والإحصائية يحتوي العديد من الميزات الرائعة في برنامج دلفي ٧ وهو موجود كمثال باسم ضمن البرنامج نفسه ويمكن الاستفادة من جميع الميزات الموجودة فيه قام بتحليل وشرح البرنامج علاء الدين اللباد ٠٩٤٤٥٧٥٣٧١ الملف النصي للبرنامج ويحتوي على ٦٤٣ عنصرا
Objects 643
وجميعها معلمة بالسهم <----->
<-----> object BubbleForm: TBubbleForm
Left = 191
Top = 113
Width = 661
Height = 439
Caption = 'TeeChart Bubble Series Demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 153
Top = 0
Width = 500
Height = 405
AnimatedZoom = True
AnimatedZoomSteps = 3
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear

AC.&P

Pointer.HorizSize = 57
Pointer.InflateMargins = False
Pointer.Style = psCircle
Pointer.VertSize = 57
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
RadiusValues.DateTime = False
RadiusValues.Name = 'Radius'
RadiusValues.Multiplier = 1.0000000000000000
RadiusValues.Order = loNone
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 153
Height = 405
Align = alLeft
TabOrder = 1
<-----> object Label1: TLabel
Left = 6
Top = 37
Width = 72
Height = 17
HelpType = htKeyword
Alignment = taRightJustify
AutoSize = False
Caption = 'Bubble &Style:'
end
<-----> object ZoomInButton: TSpeedButton
Left = 40
Top = 328
Width = 25
Height = 25
HelpType = htKeyword
Glyph.Data = {
NumGlyphs = 2

LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clWhite
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = []
LeftAxis.MinorTickLength = 4
LeftAxis.MinorTicks.Color = 4227327
LeftAxis.TickLength = 8
LeftAxis.Title.Angle = 0
LeftAxis.Title.Caption = 'Stock Price'
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clNavy
LeftAxis.Title.Font.Height = -15
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold]
Legend.ColorWidth = 32
Legend.Visible = False
RightAxis.Title.Angle = 180
TopAxis.Title.Caption = 'Date'
View3D = False
Align = alClient
BevelWidth = 0
TabOrder = 0
<-----> object BubbleSeries1: TBubbleSeries
HorizAxis = aTopAxis
Marks.ArrowLength = 0
Marks.Clip = True
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clWhite
Marks.Font.Height = -16
Marks.Font.Name = 'Arial'
Marks.Font.Style = [fsItalic]
Marks.Frame.Color = 8454143
Marks.Frame.Visible = False
Marks.Transparent = True
Marks.Visible = True
SeriesColor = clRed
OnGetPointerStyle = BubbleSeries1GetPointerStyle

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Style = csDropDownList
ItemHeight = 13
TabOrder = 2
OnChange = ComboBox1Change
Items.Strings = (
'Rectangle'
'Circle'
'Triangle'
'DownTriangle'
'Cross'
'DiagCross'
'Star'
'Diamond')
end
<-----> object BitBtn3: TBitBtn
Left = 28
Top = 364
Width = 89
Height = 33
TabOrder = 3
Kind = bkClose
end
<-----> object CheckBox3: TCheckBox
Left = 16
Top = 88
Width = 97
Height = 17
Caption = '&Random'
TabOrder = 4
OnClick = CheckBox3Click
end
<-----> object Memo1: TMemo
Left = 16
Top = 136
Width = 121
Height = 185
Lines.Strings = (
'Each "Bubble" is '
'represented with a '
'center position and '
'Radius.'
'Each point can have a '
'different style using the '
'OnGetPointerStyle '
'event.'
''
'This example also '

OnClick = ZoomInButtonClick
end
<-----> object ZoomOutButton: TSpeedButton
Left = 72
Top = 328
Width = 25
Height = 25
HelpType = htKeyword
Glyph.Data = {
NumGlyphs = 2
OnClick = ZoomOutButtonClick
end
<-----> object CheckBox1: TCheckBox
Left = 17
Top = 8
Width = 128
Height = 17
Caption = '&Animate !!!'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object CheckBox2: TCheckBox
Left = 16
Top = 104
Width = 93
Height = 17
Caption = 'View &Marks'
Checked = True
State = cbChecked
TabOrder = 1
OnClick = CheckBox2Click
end
<-----> object ComboBox1: TComboBox
Left = 14
Top = 53
Width = 131
Height = 21

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Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = (
"
")
Foot.Visible = False
LeftWall.Color = 16777088
LeftWall.Size = 5
MarginBottom = 7
MarginLeft = 5
Title.Font.Charset =
DEFAULT_CHARSET
Title.Font.Color = clGreen
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'Line Series')
BottomAxis.Axis.Width = 1
BottomAxis.LabelsFont.Charset =
DEFAULT_CHARSET
BottomAxis.LabelsFont.Color =
clBlue
BottomAxis.LabelsFont.Height = -
12
BottomAxis.LabelsFont.Name =
'Arial'
BottomAxis.LabelsFont.Style = []
BottomAxis.Title.Font.Charset =
DEFAULT_CHARSET
BottomAxis.Title.Font.Color =
clGreen
BottomAxis.Title.Font.Height = -
16
BottomAxis.Title.Font.Name =
'Arial'
BottomAxis.Title.Font.Style =
[fsItalic]
Chart3DPercent = 30
LeftAxis.Axis.Width = 1
LeftAxis.LabelsFont.Charset =
DEFAULT_CHARSET
LeftAxis.LabelsFont.Color =
clPurple
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name =
'Arial'

'shows '
'Axis labels and title '
'rotation.')
TabOrder = 5
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 1
OnTimer = Timer1Timer
Left = 170
Top = 86
end
End
////////////////////////////////////
<-----> object BasicForm:
TBasicForm
Left = 158
Top = 114
Width = 746
Height = 487
Caption = 'TeeChart Basic Series
Demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
WindowState = wsMaximized
OnCreate = FormCreate
OnResize = FormResize
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 128
Top = 49
Width = 329
Height = 200
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BottomWall.Color = 16777088
BottomWall.Size = 6
Foot.Alignment = taLeftJustify
Foot.Font.Charset =
DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12

Marks.Visible = False
SeriesColor = clBlue
LinePen.Color = clBlue
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
end
<-----> object Chart2: TChart
Left = 128
Top = 256
Width = 329
Height = 173
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Alignment = taLeftJustify
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clBlack
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = (
)
Foot.Visible = False
Gradient.Direction = gdRightLeft
Gradient.EndColor = clWhite
Gradient.StartColor = clYellow
LeftWall.Color = clWhite
MarginLeft = 7
MarginRight = 7
MarginTop = 5
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -16
Title.Font.Name = 'Arial'

LeftAxis.LabelsFont.Style = []
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clNavy
LeftAxis.Title.Font.Height = -15
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold]
Legend.Alignment = laBottom
Legend.Color = clBlack
Legend.ColorWidth = 16
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clWhite
Legend.Font.Height = -12
Legend.Font.Name = 'Arial'
Legend.Font.Style = [fsItalic]
Legend.ShadowColor = clGray
RightAxis.Visible = False
TopAxis.Visible = False
BorderWidth = 1
Color = 8454016
TabOrder = 0
<-----> object Winter: TLineSeries
Marks.ArrowLength = 8
Marks.Frame.Color = 8454143
Marks.Visible = False
SeriesColor = clRed
LinePen.Color = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
<-----> object Summer: TLineSeries
Marks.ArrowLength = 8
Marks.Frame.Color = 8454143

TopAxis.LabelsAngle = 90
TopAxis.LabelsFont.Charset = DEFAULT_CHARSET
TopAxis.LabelsFont.Color = clRed
TopAxis.LabelsFont.Height = -11
TopAxis.LabelsFont.Name = 'Arial'
TopAxis.LabelsFont.Style = []
TopAxis.LabelsSize = 30
TabOrder = 3
<-----> object BarSeries1: TBarSeries
Marks.ArrowLength = 20
Marks.BackColor = 16777088
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clBlack
Marks.Font.Height = -8
Marks.Font.Name = 'MS Serif'
Marks.Font.Style = []
Marks.Style = smsPercent
Marks.Visible = True
SeriesColor = clRed
BarPen.Visible = False
MultiBar = mbNone
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 142
Top = 274
end
end
<-----> object Chart3: TChart
Left = 464
Top = 49
Width = 309
Height = 200
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = clSilver
Foot.Alignment = taLeftJustify

Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('Bar Series')
BottomAxis.Axis.Width = 1
BottomAxis.DateTimeFormat = 'MM/yy'
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clBlue
BottomAxis.LabelsFont.Height = -11
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = []
BottomAxis.LabelsSeparation = 20
BottomAxis.Title.Font.Charset = DEFAULT_CHARSET
BottomAxis.Title.Font.Color = clBlue
BottomAxis.Title.Font.Height = -16
BottomAxis.Title.Font.Name = 'Arial'
BottomAxis.Title.Font.Style = [fsItalic]
Chart3DPercent = 80
LeftAxis.Axis.Width = 1
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clBlue
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = [fsBold]
LeftAxis.Title.Caption = 'Sales'
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clGray
LeftAxis.Title.Font.Height = -15
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold]
Legend.Visible = False

DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clGreen
LeftAxis.Title.Font.Height = -15
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold, fsItalic]
Legend.Alignment = laTop
Legend.Color = clGray
Legend.ColorWidth = 35
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clWhite
Legend.Font.Height = -12
Legend.Font.Name = 'Arial'
Legend.Font.Style = [fsItalic]
Legend.Frame.Color = clBlue
Legend.Frame.Width = 3
Legend.Frame.Visible = False
Legend.ShadowSize = 4
Legend.TopPos = 34
RightAxis.Grid.Visible = False
RightAxis.LabelsFont.Charset = DEFAULT_CHARSET
RightAxis.LabelsFont.Color = clBlue
RightAxis.LabelsFont.Height = -13
RightAxis.LabelsFont.Name = 'Arial'
RightAxis.LabelsFont.Style = [fsItalic]
RightAxis.Title.Caption = 'Red Area'
RightAxis.Title.Font.Charset = DEFAULT_CHARSET
RightAxis.Title.Font.Color = clRed
RightAxis.Title.Font.Height = -15
RightAxis.Title.Font.Name = 'Arial'
RightAxis.Title.Font.Style = [fsBold, fsItalic]
Color = clWhite
TabOrder = 4
<-----> object South: TAreaSeries
Marks.ArrowLength = 8
Marks.Frame.Color = 8454143

Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = (
)
Gradient.Direction = gdLeftRight
Gradient.EndColor = clWhite
Gradient.StartColor = clYellow
LeftWall.Color = clSilver
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clRed
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'Area Series')
BackColor = clSilver
BottomAxis.DateTimeFormat = 'd/mm'
BottomAxis.LabelsAngle = 90
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clTeal
BottomAxis.LabelsFont.Height = -12
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = []
BottomAxis.Title.Font.Charset = DEFAULT_CHARSET
BottomAxis.Title.Font.Color = clGreen
BottomAxis.Title.Font.Height = -16
BottomAxis.Title.Font.Name = 'Arial'
BottomAxis.Title.Font.Style = [fsItalic]
Chart3DPercent = 45
LeftAxis.Title.Caption = 'Green Area'
LeftAxis.Title.Font.Charset =

Height = 173
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = 16777088
BackWall.Pen.Color = clBlue
BottomWall.Pen.Color = clBlue
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clYellow
Foot.Font.Height = -11
Foot.Font.Name = 'Arial'
Foot.Font.Style = []
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = ('Last values')
Gradient.Direction = gdBottomTop
LeftWall.Color = clWhite
LeftWall.Pen.Color = clBlue
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clPurple
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('Point Series')
BackColor = 16777088
BottomAxis.Axis.Color = clBlue
BottomAxis.Axis.Width = 1
BottomAxis.DateTimeFormat = 'd/MM/yy'
BottomAxis.Grid.Color = clBlue
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clGreen
BottomAxis.LabelsFont.Height = - 12
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = []
BottomAxis.LabelsSeparation = 0
BottomAxis.MinorTickCount = 4
BottomAxis.TickLength = 3
BottomAxis.Ticks.Color = clWhite
BottomAxis.Title.Font.Charset = DEFAULT_CHARSET

Marks.Visible = False
SeriesColor = clGreen
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 441
Top = 206
end
<-----> object North: TAreaSeries
Marks.ArrowLength = 8
Marks.Frame.Color = 8454143
Marks.Visible = False
SeriesColor = clRed
VertAxis = aRightAxis
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 441
Top = 173
end
end
<-----> object Chart4: TChart
Left = 466
Top = 256
Width = 311

13
RightAxis.LabelsFont.Name = 'Arial'
RightAxis.LabelsFont.Style = []
RightAxis.Visible = False
TopAxis.Visible = False
Color = 8454143
TabOrder = 5
<-----> object Speaking:
TPointSeries
Marks.ArrowLength = 8
Marks.Frame.Color = 8454143
Marks.Visible = False
SeriesColor = clRed
VertAxis = aRightAxis
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 503
Top = 301
end
<-----> object Writing:
TPointSeries
Marks.ArrowLength = 8
Marks.Frame.Color = 8454143
Marks.Visible = False
SeriesColor = clGreen
Pointer.Brush.Color = clGreen
Pointer.InflateMargins = True
Pointer.Pen.Color = 64
Pointer.Style = psCircle
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False

BottomAxis.Title.Font.Color = clGreen
BottomAxis.Title.Font.Height = -16
BottomAxis.Title.Font.Name = 'Arial'
BottomAxis.Title.Font.Style = [fsItalic]
Chart3DPercent = 20
Frame.Color = clBlue
LeftAxis.Axis.Color = clBlue
LeftAxis.Axis.Width = 1
LeftAxis.Grid.Color = clBlue
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clTeal
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = [fsItalic]
LeftAxis.Ticks.Color = clFuchsia
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clNavy
LeftAxis.Title.Font.Height = -15
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold]
LeftAxis.Visible = False
Legend.Alignment = laBottom
Legend.ColorWidth = 50
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clPurple
Legend.Font.Height = -11
Legend.Font.Name = 'Arial'
Legend.Font.Style = []
Legend.LegendStyle = lsLastValues
Legend.TopPos = 7
RightAxis.Grid.Color = clLime
RightAxis.LabelsFont.Charset = DEFAULT_CHARSET
RightAxis.LabelsFont.Color = clYellow
RightAxis.LabelsFont.Height = -

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Font.Color = clBlack
Font.Height = -16
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object BitBtn1: TBitBtn
Left = 8
Top = 160
Width = 97
Height = 29
Caption = ' &Print all'
TabOrder = 1
OnClick = BitBtn1Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object RadioGroup1: TRadioGroup
Left = 4
Top = 96
Width = 109
Height = 53
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12
Font.Name = 'MS Sans Serif'
Font.Style = []
ItemIndex = 0
Items.Strings = (
'Proportional'
'More resolution')
ParentFont = False
TabOrder = 2
end
<-----> object CheckBox2: TCheckBox
Left = 12
Top = 20
Width = 41
Height = 17
Caption = '3&D'
Checked = True
State = cbChecked
TabOrder = 3

YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 501
Top = 267
end
<-----> object Reading: TPointSeries
Marks.ArrowLength = 8
Marks.Frame.Color = 8454143
Marks.Visible = False
SeriesColor = clYellow
Pointer.Brush.Color = clYellow
Pointer.HorizSize = 5
Pointer.InflateMargins = True
Pointer.Style = psTriangle
Pointer.VertSize = 5
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 499
Top = 233
end
end
<-----> object Panel1: TPanel
Left = -1
Top = 40
Width = 121
Height = 417
TabOrder = 1
<-----> object CheckBox1: TCheckBox
Left = 12
Top = 52
Width = 105
Height = 17
Caption = '&Animate !!!'
Font.Charset = DEFAULT_CHARSET

AC.&P

ParentFont = False
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 1
OnTimer = Timer1Timer
Left = 102
Top = 254
end
<-----> object SaveDialog1: TSaveDialog
DefaultExt = 'BMP'
FileName = 'TEEDEMO.BMP'
Filter = 'Bitmap Files|*.bmp'
Options = [ofOverwritePrompt, ofHideReadOnly]
Title = 'TeeChart DEMO Save to Bitmap'
Left = 162
Top = 444
end
End
////////////////////////////////////
<-----> object BitmapForm: TBitmapForm
Left = 183
Top = 118
Width = 675
Height = 421
Caption = 'TeeChart Background Image demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 145
Top = 0
Width = 522
Height = 387
BackImage.Data = {
07544269746D6170E62B0000424DE
62B000000000007600000028000000

OnClick = CheckBox2Click
end
<-----> object BitBtn2: TBitBtn
Left = 8
Top = 264
Width = 97
Height = 29
Caption = ' &Save all '
TabOrder = 4
OnClick = BitBtn2Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object BitBtn3: TBitBtn
Left = 8
Top = 368
Width = 100
Height = 37
Caption = ' Close'
TabOrder = 5
Kind = bkClose
end
end
<-----> object Panel2: TPanel
Left = 0
Top = 0
Width = 777
Height = 40
Align = alTop
TabOrder = 2
<-----> object Label1: TLabel
Left = 12
Top = 12
Width = 471
Height = 16
HelpType = htKeyword
Alignment = taCenter
Caption =
'Left drag (Up/Down) to Zoom.
Right drag to Scroll. Invert Zoom r'
+
'ectangle to reset.'
Font.Charset =
ANSI_CHARSET
Font.Color = clNavy
Font.Height = -13
Font.Name = 'Arial'
Font.Style = [fsItalic]

AC.&P

Left = 0
Top = 0
Width = 145
Height = 387
Align = alLeft
TabOrder = 1
<-----> object RadioGroup1: TRadioGroup
Left = 22
Top = 12
Width = 91
Height = 85
Caption = 'Bitmap Mode:'
ItemIndex = 1
Items.Strings = ('Stretch' 'Tile' 'Center')
TabOrder = 0
OnClick = RadioGroup1Click
end
<-----> object BitBtn1: TBitBtn
Left = 12
Top = 132
Width = 125
Height = 25
Caption = '&Open Bitmap...'
TabOrder = 1
OnClick = BitBtn1Click
Glyph.Data = { NumGlyphs = 2
end
<-----> object BitBtn3: TBitBtn
Left = 28
Top = 348
Width = 85
Height = 37
TabOrder = 2
Kind = bkClose
end
<-----> object CheckBox1: TCheckBox
Left = 36
Top = 104
Width = 65
Height = 17
Caption = 'Inside'
Checked = True

9900
BackImageInside = True
BackImageMode = pbmTile
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Title.Brush.Color = clBlack
Title.Color = clBlack
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clWhite
Title.Font.Height = -21
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TeeChart Panel Bitmap Example')
Chart3DPercent = 45
Legend.TopPos = 20
Align = alClient
BevelInner = bvRaised
BorderWidth = 28
TabOrder = 0
<-----> object Series1: TBarSeries
Marks.ArrowLength = 20
Marks.Visible = True
SeriesColor = clRed
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Bar'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
end
<-----> object Panel1: TPanel

AC.&P

ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 153
Height = 355
Align = alLeft
TabOrder = 0
<-----> object CheckBox1: TCheckBox
Left = 20
Top = 13
Width = 125
Height = 17
Caption = 'Animate !!!'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object BitBtn3: TBitBtn
Left = 32
Top = 309
Width = 89
Height = 33
TabOrder = 1
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 16
Top = 48
Width = 121
Height = 137
Lines.Strings = ('
'Each Arrow is '
'represented as a Series '
'point with Starting and '
'Ending coordinates.'

State = cbChecked
TabOrder = 3
OnClick = CheckBox1Click
end
<-----> object Button1: TButton
Left = 12
Top = 172
Width = 125
Height = 25
Caption = '&Clear'
TabOrder = 4
OnClick = Button1Click
end
<-----> object Memo1: TMemo
Left = 13
Top = 216
Width = 121
Height = 105
Lines.Strings = ('
'Images can be used as '
'backgrounds in '
'centered,'
'tiled or stretched mode.')
TabOrder = 5
end
end
<-----> object OpenDialog1: TOpenDialog
DefaultExt = 'BMP'
Filter = 'Bitmap Files|*.BMP'
Options = [ofReadOnly,
ofPathMustExist, ofFileMustExist]
Title = 'Select a Bitmap File'
Left = 100
Top = 43
end
End
////////////////////////////////////
<-----> object ArrowsForm: TArrowsForm
Left = 188
Top = 111
Width = 600
Height = 389
Caption = 'TeeChart Arrow Series Example'
Color = clBtnFace

AC.&P

Pointer.HorizSize = 32
Pointer.InflateMargins = False
Pointer.Style = psRectangle
Pointer.VertSize = 24
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
EndXValues.DateTime = False
EndXValues.Name = 'EndX'
EndXValues.Multiplier = 1.0000000000000000
EndXValues.Order = loNone
EndYValues.DateTime = False
EndYValues.Name = 'EndY'
EndYValues.Multiplier = 1.0000000000000000
EndYValues.Order = loNone
StartXValues.DateTime = True
StartXValues.Name = 'X'
StartXValues.Multiplier = 1.0000000000000000
StartXValues.Order = loAscending
StartYValues.DateTime = False
StartYValues.Name = 'Y'
StartYValues.Multiplier = 1.0000000000000000
StartYValues.Order = loNone
Left = 104
Top = 195
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 1
OnTimer = Timer1Timer
Left = 62
Top = 195
end
End

"
'This demo changes '
'arrow positions randomly '
'using a'
'TTimer component.')
TabOrder = 2
end
end
<-----> object Chart1: TChart
Left = 153
Top = 0
Width = 439
Height = 355
AnimatedZoom = True
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = 8454143
BottomWall.Color = 8454016
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
LeftWall.Color = 16777088
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
)
Title.Visible = False
BackColor = 8454143
Chart3DPercent = 50
Legend.Visible = False
RightAxis.Grid.Visible = False
RightAxis.MinorTickLength = 3
RightAxis.TickLength = 5
Align = alClient
TabOrder = 1
<-----> object ArrowSeries1: TArrowSeries
ColorEachPoint = True
HorizAxis = aTopAxis
Marks.ArrowLength = 8
Marks.Frame.Visible = False
Marks.Transparent = True
Marks.Visible = False
SeriesColor = clRed
VertAxis = aRightAxis

AC.&P

'maStacked'
'maStacked100')
TabOrder = 0
OnClick = RadioGroup1Click
end
<-----> object BitBtn1: TBitBtn
Left = 18
Top = 350
Width = 89
Height = 33
TabOrder = 1
Kind = bkClose
end
<-----> object CheckBox1:
TCheckBox
Left = 14
Top = 34
Width = 97
Height = 17
Caption = '3D'
Checked = True
State = cbChecked
TabOrder = 2
OnClick = CheckBox1Click
end
<-----> object CheckBox2:
TCheckBox
Left = 14
Top = 9
Width = 97
Height = 17
Caption = '&Animate !!!'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -16
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 3
OnClick = CheckBox2Click
end
end
<-----> object Chart1: TChart
Left = 145
Top = 0
Width = 445
Height = 399

////////////////////////////////////
<-----> object AreasForm:
TAreasForm
Left = 192
Top = 110
Width = 598
Height = 433
ActiveControl = Chart1
Caption = 'Area Series Example'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 145
Height = 399
Align = alLeft
TabOrder = 0
<-----> object Label1: TLabel
Left = 14
Top = 196
Width = 62
Height = 22
HelpType = htKeyword
Caption = 'Label1'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold, fsItalic]
ParentFont = False
end
<-----> object RadioGroup1:
TRadioGroup
Left = 12
Top = 59
Width = 117
Height = 122
Caption = 'Area Series Mode:'
ItemIndex = 0
Items.Strings = (
'maNone'

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end
<-----> object AreaSeries2: TAreaSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 227
Top = 36
end
<-----> object AreaSeries3: TAreaSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clYellow
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 265
Top = 34
end
end
<-----> object Timer1: TTimer
Enabled = False

BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Title.Alignment = taLeftJustify
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -13
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = ('Area Series Example.' 'Move mouse over Areas.')
BottomAxis.LabelsAngle = 90
Chart3DPercent = 50
Legend.Alignment = laBottom
Align = alClient
TabOrder = 1
OnMouseMove = Chart1MouseMove
<-----> object AreaSeries1: TAreaSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
AreaLinesPen.Color = clAqua
AreaLinesPen.Style = psDot
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 189
Top = 36

AC.&P

end
<-----> object Button1: TButton
Left = 536
Top = 4
Width = 89
Height = 23
Caption = 'Close'
ModalResult = 1
TabOrder = 0
OnClick = Button1Click
end
end
<-----> object TPanel
Left = 476
Top = 102
Width = 157
Height = 251
BevelOuter = bvNone
BorderWidth = 1
Color = clNavy
TabOrder = 1
<-----> object Button2: TButton
Left = 8
Top = -1
Width = 141
Height = 41
Caption = 'Show me the Demo !'
Default = True
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = Button2Click
end
<-----> object Button3: TButton
Left = 8
Top = 85
Width = 141
Height = 29
Caption = 'Features...'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12

ParentFont = False
end
<-----> object Label15: TLabel
Left = 212
Top = 9
Width = 27
Height = 13
HelpType = htKeyword
Caption = 'email:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<-----> object Label16: TLabel
Left = 244
Top = 9
Width = 85
Height = 13
HelpType = htKeyword
Caption = 'info@steema.com'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<-----> object Label3: TLabel
Left = 375
Top = 6
Width = 119
Height = 16
Cursor = crHandPoint
HelpType = htKeyword
Caption = 'www.steema.com'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold, fsUnderline]
ParentFont = False
OnClick = Label3Click

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Title.Visible = False
AxisVisible = False
ClipPoints = False
Frame.Visible = False
Legend.Color = clSilver
Legend.Visible = False
View3DWalls = False
BevelWidth = 2
Color = clSilver
TabOrder = 4
OnMouseDown =
Chart2MouseDown
OnMouseUp = Chart2MouseUp
<-----> object Label12: TLabel
Left = 25
Top = 16
Width = 97
Height = 32
HelpType = htKeyword
Caption = 'About...'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clRed
Font.Height = -29
Font.Name = 'Times New Roman'
Font.Style = [fsBold]
ParentFont = False
Transparent = True
OnClick = Label10Click
OnMouseDown =
Chart2MouseDown
end
<-----> object FastLineSeries1: TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clAqua
LinePen.Color = clAqua
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier =
1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.0000000000000000
YValues.Order = loNone

Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 1
OnClick = Button3Click
end
<-----> object Button4: TButton
Left = 8
Top = 122
Width = 141
Height = 29
Caption = 'Pro Specifications...'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 2
OnClick = Button4Click
end
<-----> object Button6: TButton
Left = 8
Top = 48
Width = 141
Height = 29
Caption = 'Chart Styles...'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 3
OnClick = Button6Click
end
<-----> object Chart2: TChart
Left = 8
Top = 168
Width = 141
Height = 73
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Title.Text.Strings = (
'TChart')

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Title.Text.Strings = (
)
AxisVisible = False
Chart3DPercent = 50
ClipPoints = False
Frame.Visible = False
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal =
False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DOptions.Zoom = 92
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 1
<-----> object PieSeries6:
TPieSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
CustomYRadius = 25
ExplodeBiggest = 25
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier =
1.000000000000000000
PieValues.Order = loNone
end
end
<-----> object Chart8: TChart
Left = 3
Top = 163
Width = 97
Height = 66
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset =
DEFAULT_CHARSET

end
<-----> object FastLineSeries2:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clYellow
LinePen.Color = clYellow
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
end
end
end
<-----> object Panel2: TPanel
Left = 9
Top = 102
Width = 465
Height = 241
BevelWidth = 2
Color = clAqua
TabOrder = 2
<-----> object Chart7: TChart
Left = 3
Top = 7
Width = 97
Height = 66
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset =
DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -17
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]

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MarginRight = 5
MarginTop = 0
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -17
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (")
AxisVisible = False
Chart3DPercent = 100
ClipPoints = False
Frame.Visible = False
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DOptions.Zoom = 92
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 4
<-----> object PieSeries9: TPieSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
CustomYRadius = 25
ExplodeBiggest = 40
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
end
end
<-----> object Chart9: TChart
Left = 206
Top = 4
Width = 255
Height = 221
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite

Title.Font.Color = clBlack
Title.Font.Height = -17
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (")
AxisVisible = False
Chart3DPercent = 95
ClipPoints = False
Frame.Visible = False
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DOptions.Zoom = 87
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 2
<-----> object PieSeries7: TPieSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
CustomYRadius = 25
ExplodeBiggest = 20
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
end
end
<-----> object Chart10: TChart
Left = 105
Top = 139
Width = 97
Height = 66
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5

OtherSlice.Text = 'Other'
PiePen.Visible = False
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
DataSources = (
'Series1'
'PieSeries6'
'PieSeries7'
'PieSeries9')
<-----> object
PieSeries8TAddTeeFunction:
TAddTeeFunction
end
end
end
<-----> object Chart1: TChart
Left = 105
Top = 31
Width = 97
Height = 66
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset =
DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -17
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (
)
AxisVisible = False
Chart3DPercent = 50
ClipPoints = False
Frame.Visible = False
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal =
False

BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset =
DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -24
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (
)
Title.Visible = False
AxisVisible = False
Chart3DPercent = 70
ClipPoints = False
Frame.Visible = False
Legend.TextStyle = ItsPlain
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal =
False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 3
<-----> object PieSeries8:
TPieSeries
Marks.Arrow.Color = clBlack
Marks.ArrowLength = 1
Marks.Font.Charset =
DEFAULT_CHARSET
Marks.Font.Color = clNavy
Marks.Font.Height = -11
Marks.Font.Name = 'Arial'
Marks.Font.Style = []
Marks.Frame.Visible = False
Marks.Transparent = True
Marks.Visible = True
DataSource = Series1
PercentFormat = '##0.00 %'
SeriesColor = clRed
CustomYRadius = 35
ExplodeBiggest = 40

AC.&P

Alignment = taCenter
AutoSize = False
Caption = 'The 100% Native Charting VCL / CLX Library'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Label9: TLabel
Left = 8
Top = 44
Width = 449
Height = 19
HelpType = htKeyword
Alignment = taCenter
AutoSize = False
Caption = 'For Borland Delphi, Kylix and C++ Builder'
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
end
<-----> object Timer1: TTimer
Interval = 1
OnTimer = Timer1Timer
Left = 408
Top = 283
end
<-----> object Timer2: TTimer
Interval = 200
OnTimer = Timer2Timer
Left = 356
Top = 281
end
End
////////////////////////////////////
<-----> object MetafileForm: TMetafileForm

View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 0
<-----> object Series1: TPieSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
CustomYRadius = 25
ExplodeBiggest = 25
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
end
end
end
<-----> object TPanel
Left = 8
Top = 359
Width = 156
Height = 1
TabOrder = 3
end
<-----> object TPanel
Left = 475
Top = 360
Width = 153
Height = 1
TabOrder = 4
end
<-----> object Panel3: TPanel
Left = 8
Top = 11
Width = 465
Height = 81
TabOrder = 5
<-----> object Label1: TLabel
Left = 8
Top = 15
Width = 449
Height = 22
HelpType = htKeyword

AC.&P

Align = alTop
TabOrder = 0
<-----> object BarSeries1: TBarSeries
ColorEachPoint = True
Marks.ArrowLength = 20
Marks.Visible = True
SeriesColor = clRed
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.00000000000000000000
YValues.Order = loNone
Left = 15
Top = 52
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 546
Height = 41
Align = alTop
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'Arial'
Font.Style = []
ParentFont = False
TabOrder = 1
<-----> object BitBtn2: TBitBtn
Left = 12
Top = 4
Width = 149
Height = 33
Caption = '&Save to *.WMF...'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []

Left = 199
Top = 116
Width = 554
Height = 443
Caption = 'TeeChart -- Metafile Format Demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Image1: TImage
Left = 0
Top = 258
Width = 546
Height = 151
HelpType = htKeyword
Align = alClient
Stretch = True
end
<-----> object Chart1: TChart
Left = 0
Top = 41
Width = 546
Height = 176
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Title.Frame.Color = clWhite
Title.Text.Strings = ('TChart Component')
BottomAxis.DateTimeFormat = 'MM/dd/yy'
BottomAxis.Grid.Color = clScrollBar
Chart3DPercent = 35
LeftAxis.Grid.Color = clScrollBar
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar

AC.&P

end
End
////////////////////////////////////
<-----> object PagesForm: TPagesForm
Left = 203
Top = 106
Width = 608
Height = 413
Caption = 'TeeChart Sample. How to divide Charts in several Pages.'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 194
Top = 0
Width = 406
Height = 379
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Frame.Color = clScrollBar
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
BottomAxis.Grid.Color = clScrollBar
LeftAxis.Grid.Color = clScrollBar
Legend.Alignment = laTop
RightAxis.Grid.Color = clScrollBar
ScaleLastPage = False
TopAxis.Grid.Color = clScrollBar
OnPageChange = Chart1PageChange
Align = alClient
TabOrder = 0
<-----> object LineSeries1: TLineSeries

ParentFont = False
TabOrder = 0
OnClick = BitBtn2Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object BitBtn4: TBitBtn
Left = 358
Top = 4
Width = 89
Height = 33
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
Kind = bkClose
end
end
<-----> object Panel2: TPanel
Left = 0
Top = 217
Width = 546
Height = 41
Align = alTop
Caption = 'This is a TImage Delphi Component with a Metafile Image'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 2
end
<-----> object SaveDialog1: TSaveDialog
DefaultExt = 'WMF'
FileName = 'metademo.wmf'
Filter = 'Metafile Format|*.WMF'
Options = [ofOverwritePrompt]
Left = 196
Top = 49

AC.&P

Top = 160
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 194
Height = 379
Align = alLeft
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 1
<-----> object Label2: TLabel
Left = 11
Top = 10
Width = 104
Height = 13
HelpType = htKeyword
Caption = '– Points Per Page:'
FocusControl = SpinEdit1
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<-----> object Label1: TLabel
Left = 11
Top = 76
Width = 62
Height = 22
HelpType = htKeyword
Caption = 'Label1'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False

Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 311
Top = 156
end
<-----> object BubbleSeries1: TBubbleSeries
ColorEachPoint = False
Marks.ArrowLength = 8
Marks.Frame.Visible = False
Marks.Transparent = True
Marks.Visible = False
SeriesColor = clGreen
Pointer.HorizSize = 26
Pointer.InflateMargins = True
Pointer.Style = psCircle
Pointer.VertSize = 26
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
RadiusValues.DateTime = False
RadiusValues.Name = 'Radius'
RadiusValues.Multiplier = 1.0000000000000000
RadiusValues.Order = loNone
Left = 395

AC.&P

Glyph.Data = {
Layout = blGlyphRight
NumGlyphs = 2
end
<-----> object BLastPage:
TBitBtn
Left = 102
Top = 106
Width = 79
Height = 32
Caption = '&Last'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 3
OnClick = BLastPageClick
Glyph.Data = {
Layout = blGlyphRight
NumGlyphs = 2
end
<-----> object BFirstPage:
TBitBtn
Left = 14
Top = 106
Width = 79
Height = 32
Caption = '&First'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 4
OnClick = BFirstPageClick
Glyph.Data = {
NumGlyphs = 2
end
<-----> object CheckBox1:
TCheckBox
Left = 14
Top = 44
Width = 131

end
<-----> object SpinEdit1:
TSpinEdit
Left = 121
Top = 7
Width = 58
Height = 22
MaxValue = 100000
MinValue = 0
TabOrder = 0
Value = 0
OnChange = SpinEdit1Change
end
<-----> object ButtonPrevious:
TBitBtn
Left = 14
Top = 149
Width = 79
Height = 32
Caption = '&Previous'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 1
OnClick = ButtonPreviousClick
Glyph.Data = {
NumGlyphs = 2
end
<-----> object ButtonNext:
TBitBtn
Left = 102
Top = 149
Width = 79
Height = 32
Caption = '&Next'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
OnClick = ButtonNextClick

AC.&P

Top = 108
Width = 575
Height = 404
Caption = 'TeeChart. TChartShape Component Example'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 153
Top = 57
Width = 414
Height = 313
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Frame.Color = clScrollBar
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
BottomAxis.Grid.Color = clScrollBar
LeftAxis.Grid.Color = clScrollBar
Legend.Alignment = laTop
Legend.Visible = False
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar
Align = alClient
TabOrder = 0
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'

Height = 19
Caption = 'Auto Scale Last Page'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 5
OnClick = CheckBox1Click
end
<-----> object BitBtn3: TBitBtn
Left = 40
Top = 332
Width = 93
Height = 33
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 6
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 32
Top = 200
Width = 121
Height = 109
Lines.Strings = ('Using the Chart' 'MaxPointsPerPage' 'property Series can' 'be divided in "pages" 'so you can navigate' 'across them.')
TabOrder = 7
end
end
End
////////////////////////////////////
<-----> object ShapesForm: TShapesForm
Left = 200

AC.&P

Marks.Visible = False
SeriesColor = clYellow
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.00000000000000000000
YValues.Order = loNone
Left = 345
Top = 130
end
<-----> object ChartShape2: TChartShape
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clWhite
Brush.Color = clRed
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Arial'
Font.Style = []
Pen.Color = clLime
Style = chasLine
X0 = 729090.00000000000000000000
X1 = 729108.00000000000000000000
Y0 = 692.75000000000000000000
Y1 = 2915.50000000000000000000
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.00000000000000000000
YValues.Order = loNone
Left = 161

XValues.Multiplier = 1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.00000000000000000000
YValues.Order = loNone
Left = 391
Top = 130
end
<-----> object ChartShape3: TChartShape
Cursor = crCross
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clWhite
OnClick = ChartShape3Click
Brush.Color = clWhite
Brush.Style = bsDiagCross
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Arial'
Font.Style = []
Style = chasRectangle
X0 = 729090.00000000000000000000
X1 = 729108.00000000000000000000
Y0 = 549.50000000000000000000
Y1 = 1742.00000000000000000000
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.00000000000000000000
YValues.Order = loNone
Left = 161
Top = 206
end
<-----> object LineSeries2: TLineSeries
Marks.ArrowLength = 8

AC.&P

Left = 19
Top = 4
Width = 402
Height = 19
HelpType = htKeyword
Caption = 'The Line and Ellipse are TChartShape components.'
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -17
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Label2: TLabel
Left = 19
Top = 28
Width = 426
Height = 19
HelpType = htKeyword
Caption = 'Zoom or Scroll to see how shapes follow Chart Series.'
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -17
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
end
<-----> object Panel2: TPanel
Left = 0
Top = 57
Width = 153
Height = 313
Align = alLeft
TabOrder = 2
<-----> object BitBtn2: TBitBtn
Left = 26
Top = 256
Width = 89
Height = 33
Caption = 'Close'
TabOrder = 0
Kind = bkClose
end

Top = 158
end
<-----> object ChartShape1: TChartShape
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clWhite
Brush.Color = 8454016
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -21
Font.Name = 'Arial'
Font.Style = []
Text.Strings = (
'Hello'
'Tee'
'World !')
Pen.Color = clNavy
Pen.Width = 2
X0 = 729090.000000000000000000
X1 = 729108.000000000000000000
Y0 = 737.250000000000000000
Y1 = 3803.500000000000000000
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 157
Top = 108
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 567
Height = 57
Align = alTop
TabOrder = 1
<-----> object Label1: TLabel

example of event handling.'
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = 8454016
BackWall.Pen.Visible = False
BottomWall.Color = clRed
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -15
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsBold]
Foot.Frame.Color = clScrollBar
LeftWall.Color = 16777088
Title.Alignment = taLeftJustify
Title.Brush.Color = clWhite
Title.Brush.Style = bsClear
Title.Color = 16777088
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = 8421440
Title.Frame.Width = 4
Title.Text.Strings = ('Pyramid Bar Chart built from SQL Query.')
OnClickLegend = DBChart1ClickLegend
BackColor = 8454016
BottomAxis.Grid.Color = clScrollBar
Chart3DPercent = 40
ClipPoints = False
Frame.Visible = False
LeftAxis.Grid.Color = clScrollBar
Legend.Color = clAqua
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clBlack
Legend.Font.Height = -16
Legend.Font.Name = 'Arial'
Legend.Font.Style = [fsBold, fsItalic]
Legend.Frame.Color = clTeal
Legend.Frame.Width = 4
Legend.ShadowSize = 11

<-----> object Memo1: TMemo
Left = 16
Top = 44
Width = 121
Height = 161
Lines.Strings = ('Shapes are simple ' 'Series components ' 'with special formatting ' 'attributes.' " 'Zoom and scrolling' 'is also possible with' 'Shapes.')
TabOrder = 1
end
end
End
//////////
10
<-----> object SQLBarsForm: TSQLBarsForm
Left = 191
Top = 116
Width = 584
Height = 471
Caption = 'TeeChart SQL Demo'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
Scaled = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object DBChart1: TDBChart
Left = 0
Top = 85
Width = 576
Height = 181
Hint = 'Click on a Bar to see an

Font.Color = clRed
Font.Height = -12
Font.Name = 'Arial'
Font.Style = [fsItalic]
ParentFont = False
TabOrder = 1
<-----> object BitBtn1: TBitBtn
Left = 292
Top = 4
Width = 89
Height = 33
TabOrder = 0
Kind = bkClose
end
end
<-----> object Panel2: TPanel
Left = 0
Top = 0
Width = 576
Height = 85
Align = alTop
TabOrder = 2
<-----> object Label1: TLabel
Left = 286
Top = 54
Width = 45
Height = 13
HelpType = htKeyword
Caption = 'Bar &Style:'
end
<-----> object Memo1: TMemo
Left = 16
Top = 10
Width = 261
Height = 67
Lines.Strings = ('select Name,Weight from ":dbdemos:animals.dbf" 'where Weight < 20')
TabOrder = 0
end
<-----> object BitBtn2: TBitBtn
Left = 286
Top = 10
Width = 111
Height = 33
Caption = 'Run Query !!'

Legend.TextStyle = ItsRightValue
Legend.TopPos = 5
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar
Align = alClient
ParentShowHint = False
ShowHint = True
TabOrder = 0
<-----> object BarSeries1: TBarSeries
ColorEachPoint = True
Cursor = crUpArrow
Marks.ArrowLength = 20
Marks.Style = smsPercent
Marks.Visible = True
DataSource = Query1
SeriesColor = clRed
XLabelsSource = 'NAME'
OnClick = BarSeries1Click
BarStyle = bsPyramid
BarWidthPercent = 80
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
YValues.ValueSource = 'WEIGHT'
OnGetBarStyle = BarSeries1GetBarStyle
Left = 82
Top = 118
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 396
Width = 576
Height = 41
Align = alBottom
Alignment = taLeftJustify
Font.Charset = DEFAULT_CHARSET

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values !!!'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'Arial'
Font.Style = [fsBold, fsItalic]
ParentFont = False
end
<-----> object DBGrid1:
TDBGrid
Left = 1
Top = 1
Width = 176
Height = 128
Align = alLeft
DataSource = DataSource1
TabOrder = 0
TitleFont.Charset =
DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans
Serif'
TitleFont.Style = []
end
end
<-----> object DataSource1:
TDataSource
DataSet = Query1
Left = 215
Top = 36
end
<-----> object Query1: TQuery
Active = True
DatabaseName = 'DBDEMOS'
RequestLive = True
SQL.Strings = (
'select Name,Weight from '
''':dbdemos:animals.dbf''
'where Weight<20'
'')
Left = 118
Top = 34
end
End
////////////////////////////////
11

TabOrder = 1
OnClick = BitBtn2Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object ComboBox1:
TComboBox
Left = 342
Top = 50
Width = 127
Height = 21
Style = csDropDownList
ItemHeight = 13
TabOrder = 2
OnChange = ComboBox1Change
Items.Strings = (
'Rectangle'
'Pyramid'
'InvPyramid'
'Cilinder'
'Ellipse'
'Arrow')
end
<-----> object CBRandomBar:
TCheckBox
Left = 477
Top = 53
Width = 88
Height = 17
Caption = '<-- &Random'
TabOrder = 3
OnClick = CBRandomBarClick
end
end
<-----> object Panel3: TPanel
Left = 0
Top = 266
Width = 576
Height = 130
Align = alBottom
TabOrder = 3
<-----> object Label2: TLabel
Left = 184
Top = 22
Width = 203
Height = 19
HelpType = htKeyword
Caption = '<--- Try to change

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LeftAxis.Ticks.Color = clYellow
LeftAxis.Title.Caption = 'Quantity'
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clBlack
Legend.Font.Height = -12
Legend.Font.Name = 'Arial'
Legend.Font.Style = []
Align = alClient
BevelInner = bvRaised
BevelOuter = bvNone
BorderWidth = 14
TabOrder = 0
<-----> object BarSeries1: TBarSeries
Marks.ArrowLength = 20
Marks.Visible = False
SeriesColor = clRed
MultiBar = mbNone
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 108
Top = 4
end
<-----> object BarSeries2: TBarSeries
Marks.ArrowLength = 20
Marks.Visible = False
SeriesColor = clGreen
MultiBar = mbNone
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone

<-----> object StackedForm: TStackedForm
Left = 191
Top = 109
Width = 652
Height = 431
Caption = 'Stacked Bars'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 0
Top = 41
Width = 510
Height = 356
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = 8454016
BottomWall.Color = 16512
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Gradient.Direction = gdRightLeft
Gradient.StartColor = 16744576
LeftWall.Color = clBlue
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
BackColor = 8454016
BottomAxis.DateTimeFormat = 'M/d/yy'
BottomAxis.Title.Caption = 'Sales Date'
Chart3DPercent = 60
LeftAxis.MinorTickCount = 1
LeftAxis.MinorTickLength = 5
LeftAxis.MinorTicks.Color = clBlue
LeftAxis.TickLength = 8

AC.&P

<-----> object Label1: TLabel
Left = 7
Top = 5
Width = 32
Height = 13
HelpType = htKeyword
Caption = '&Series:'
FocusControl = ComboBox1
end
<-----> object Shape1: TShape
Left = 7
Top = 52
Width = 118
Height = 29
HelpType = htKeyword
OnMouseUp = Shape1MouseUp
end
<-----> object Button1: TButton
Left = 17
Top = 86
Width = 99
Height = 29
Caption = 'S&croll Series'
TabOrder = 0
OnClick = Button1Click
end
<-----> object RadioGroup2: TRadioGroup
Left = 13
Top = 150
Width = 108
Height = 139
Caption = '&Bar Style:'
ItemIndex = 0
Items.Strings = (
'Rectangle'
'Pyramid'
'InvPyramid'
'Cilinder'
'Ellipse'
'Arrow'
'Gradient')
TabOrder = 1
OnClick = RadioGroup2Click
end
<-----> object ComboBox1: TComboBox
Left = 9

Left = 141
Top = 4
end
<-----> object BarSeries3: TBarSeries
Marks.ArrowLength = 20
Marks.Visible = False
SeriesColor = clAqua
MultiBar = mbNone
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 172
Top = 4
end
end
<-----> object RadioGroup1: TRadioGroup
Left = 0
Top = 0
Width = 644
Height = 41
Align = alTop
Caption = 'Bar &Position:'
Columns = 4
ItemIndex = 0
Items.Strings = (
'Behind'
'Side to Side'
'Stacked'
'Stacked 100%')
TabOrder = 1
OnClick = RadioGroup1Click
end
<-----> object Panel1: TPanel
Left = 510
Top = 41
Width = 134
Height = 356
Align = alRight
TabOrder = 2

AC.&P

Interval = 1
OnTimer = Timer1Timer
Left = 452
Top = 18
end
End
////////////////////////////////////
12
<-----> object TablePieForm: TTablePieForm
Left = 193
Top = 109
Width = 629
Height = 440
Caption = 'TeeChart Table-Pie Demo'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -9
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13
<-----> object DBChart1: TDBChart
Left = 0
Top = 0
Width = 621
Height = 255
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -15
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsBold]
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = (

Top = 23
Width = 116
Height = 21
Style = csDropDownList
ItemHeight = 13
TabOrder = 2
OnChange = ComboBox1Change
end
<-----> object CheckBox1: TCheckBox
Left = 9
Top = 123
Width = 120
Height = 19
Caption = '&Animate !!!'
Font.Charset = DEFAULT_CHARSET
Font.Color = clRed
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 3
OnClick = CheckBox1Click
end
<-----> object BitBtn3: TBitBtn
Left = 25
Top = 320
Width = 89
Height = 33
TabOrder = 4
Kind = bkClose
end
<-----> object CheckBox2: TCheckBox
Left = 43
Top = 296
Width = 50
Height = 17
Caption = '3D'
Checked = True
State = cbChecked
TabOrder = 5
OnClick = CheckBox2Click
end
end
<-----> object Timer1: TTimer
Enabled = False

AC.&P

Marks.BackColor = clWhite
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clRed
Marks.Font.Height = -13
Marks.Font.Name = 'Arial'
Marks.Font.Style = [fsItalic]
Marks.Frame.Color = clNavy
Marks.Frame.Width = 3
Marks.Style = smsLabelValue
Marks.Visible = True
DataSource = Table1
SeriesColor = clRed
XLabelsSource = 'NAME'
OnClick = PieSeries1Click
Circled = True
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Y'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
PieValues.ValueSource = 'SIZE'
Left = 187
Top = 6
end
end
<-----> object Panel2: TPanel
Left = 0
Top = 255
Width = 621
Height = 117
Align = alBottom
TabOrder = 1
<-----> object DBGrid1: TDBGrid
Left = 349
Top = 1
Width = 271
Height = 115
Align = alRight
DataSource = DataSource1
TabOrder = 0
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -9
TitleFont.Name = 'MS Sans

'XLabelSource:=Table1Name'
'PieValueSource:=Table1Size')
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('Pie Chart built from Table :DBDEMOS:ANIMALS.DBF')
AxisVisible = False
BottomAxis.Grid.Color = clScrollBar
ClipPoints = False
Frame.Visible = False
LeftAxis.Grid.Color = clScrollBar
Legend.Alignment = laLeft
Legend.Color = clAqua
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clBlack
Legend.Font.Height = -16
Legend.Font.Name = 'Arial'
Legend.Font.Style = [fsBold, fsItalic]
Legend.Frame.Color = clTeal
Legend.Frame.Width = 4
Legend.ShadowColor = clGray
Legend.ShadowSize = 11
Legend.TextStyle = ItsLeftPercent
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
Align = alClient
TabOrder = 0
<-----> object PieSeries1: TPieSeries
Cursor = crDrag
Marks.Arrow.Color = clYellow
Marks.Arrow.Width = 2
Marks.ArrowLength = 11

AC.&P

Left = 0
Top = 372
Width = 621
Height = 34
Align = alBottom
Alignment = taLeftJustify
Font.Charset = DEFAULT_CHARSET
Font.Color = clRed
Font.Height = -9
Font.Name = 'Arial'
Font.Style = [fsItalic]
ParentFont = False
TabOrder = 2
end
<-----> object Table1: TTable
Active = True
DatabaseName = 'DBDEMOS'
TableName = 'ANIMALS.DBF'
Left = 29
Top = 344
<-----> object Table1NAME: TStringField
FieldName = 'NAME'
Size = 10
end
<-----> object Table1SIZE: TSmallintField
FieldName = 'SIZE'
end
<-----> object Table1WEIGHT: TSmallintField
FieldName = 'WEIGHT'
end
end
<-----> object DataSource1: TDataSource
DataSet = Table1
Left = 111
Top = 344
end
End
////////////////////////////////
13
<-----> object TeeMainForm: TTeeMainForm
Left = 192
Top = 109

Serif
TitleFont.Style = []
end
<-----> object CheckBox1: TCheckBox
Left = 10
Top = 8
Width = 101
Height = 14
Caption = 'ACTIVE Table'
Checked = True
State = cbChecked
TabOrder = 1
OnClick = CheckBox1Click
end
<-----> object RadioGroup1: TRadioGroup
Left = 10
Top = 32
Width = 131
Height = 32
Caption = 'Use Field:'
Columns = 2
ItemIndex = 0
Items.Strings = ('Size' 'Weight')
TabOrder = 2
OnClick = RadioGroup1Click
end
<-----> object BitBtn1: TBitBtn
Left = 27
Top = 79
Width = 90
Height = 27
Caption = 'Close'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Arial'
Font.Style = []
ParentFont = False
TabOrder = 3
Kind = bkClose
end
end
<-----> object Panel1: TPanel

AC.&P

<-----> object Panel1: TPanel
Left = 0
Top = 376
Width = 632
Height = 30
Align = alBottom
Alignment = taLeftJustify
TabOrder = 0
<-----> object Label11: TLabel
Left = 12
Top = 49
Width = 3
Height = 13
HelpType = htKeyword
end
<-----> object Label13: TLabel
Left = 12
Top = 6
Width = 129
Height = 19
HelpType = htKeyword
Caption = 'Steema Software'
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Label15: TLabel
Left = 212
Top = 9
Width = 27
Height = 13
HelpType = htKeyword
Caption = 'email:'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<-----> object Label16: TLabel
Left = 244
Top = 9

ActiveControl = Button2
BorderIcons = [biSystemMenu]
BorderStyle = bsDialog
Caption = 'TeeChart Standard version 4.0 - Demo'
ClientHeight = 406
ClientWidth = 632
Color = clNavy
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Image1: TImage
Left = 484
Top = 26
Width = 141
Height = 45
HelpType = htKeyword
AutoSize = True
Picture.Data = {
OnClick = Label10Click
end
<-----> object Label2: TLabel
Left = 168
Top = 353
Width = 300
Height = 13
HelpType = htKeyword
Caption = '© Copyright 1996-2001 by David Berneda. All Rights Reserved.'
Color = clNavy
Font.Charset = DEFAULT_CHARSET
Font.Color = clWhite
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentColor = False
ParentFont = False
end

AC.&P

TabOrder = 1
<-----> object Button2: TButton
Left = 8
Top = -1
Width = 141
Height = 41
Caption = 'Show me the Demo !'
Default = True
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = Button2Click
end
<-----> object Button3: TButton
Left = 8
Top = 85
Width = 141
Height = 29
Caption = 'Features...'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 1
OnClick = Button3Click
end
<-----> object Button4: TButton
Left = 8
Top = 122
Width = 141
Height = 29
Caption = 'Pro Specifications...'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 2

Width = 85
Height = 13
HelpType = htKeyword
Caption = 'info@steema.com'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
end
<-----> object Label3: TLabel
Left = 375
Top = 6
Width = 119
Height = 16
Cursor = crHandPoint
HelpType = htKeyword
Caption = 'www.steema.com'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold, fsUnderline]
ParentFont = False
OnClick = Label3Click
end
<-----> object Button1: TButton
Left = 536
Top = 4
Width = 89
Height = 23
Caption = 'Close'
ModalResult = 1
TabOrder = 0
OnClick = Button1Click
end
end
<-----> object TPanel
Left = 476
Top = 102
Width = 157
Height = 251
BevelOuter = bvNone
BorderWidth = 1
Color = clNavy

AC.&P

Font.Charset =
DEFAULT_CHARSET
Font.Color = clRed
Font.Height = -29
Font.Name = 'Times New Roman'
Font.Style = [fsBold]
ParentFont = False
Transparent = True
OnClick = Label10Click
OnMouseDown =
Chart2MouseDown
end
<-----> object FastLineSeries1:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clAqua
LinePen.Color = clAqua
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
end
<-----> object FastLineSeries2:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clYellow
LinePen.Color = clYellow
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
end
end
end

OnClick = Button4Click
end
<-----> object Button6: TButton
Left = 8
Top = 48
Width = 141
Height = 29
Caption = 'Chart Styles...'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -12
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 3
OnClick = Button6Click
end
<-----> object Chart2: TChart
Left = 8
Top = 168
Width = 141
Height = 73
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Title.Text.Strings = (
'TChart')
Title.Visible = False
AxisVisible = False
ClipPoints = False
Frame.Visible = False
Legend.Color = clSilver
Legend.Visible = False
View3DWalls = False
BevelWidth = 2
Color = clSilver
TabOrder = 4
OnMouseDown =
Chart2MouseDown
OnMouseUp = Chart2MouseUp
<-----> object Label12: TLabel
Left = 25
Top = 16
Width = 97
Height = 32
HelpType = htKeyword
Caption = 'About...'

AC.&P

Marks.Visible = False
SeriesColor = clRed
CustomYRadius = 25
ExplodeBiggest = 25
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
end
end
<-----> object Chart8: TChart
Left = 3
Top = 163
Width = 97
Height = 66
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -17
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (")
AxisVisible = False
Chart3DPercent = 95
ClipPoints = False
Frame.Visible = False
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DOptions.Zoom = 87
View3DWalls = False
BevelOuter = bvNone
Color = clAqua

<-----> object Panel2: TPanel
Left = 9
Top = 102
Width = 465
Height = 241
BevelWidth = 2
Color = clAqua
TabOrder = 2
<-----> object Chart7: TChart
Left = 3
Top = 7
Width = 97
Height = 66
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -17
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (")
AxisVisible = False
Chart3DPercent = 50
ClipPoints = False
Frame.Visible = False
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DOptions.Zoom = 92
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 1
<-----> object PieSeries6: TPieSeries
Marks.ArrowLength = 8

AC.&P

View3DOptions.Zoom = 92
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 4
<-----> object PieSeries9:
TPieSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
CustomYRadius = 25
ExplodeBiggest = 40
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier =
1.000000000000000000
PieValues.Order = loNone
end
end
<-----> object Chart9: TChart
Left = 206
Top = 4
Width = 255
Height = 221
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset =
DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -24
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (
)
Title.Visible = False
AxisVisible = False
Chart3DPercent = 70
ClipPoints = False
Frame.Visible = False
Legend.TextStyle = ItsPlain

TabOrder = 2
<-----> object PieSeries7:
TPieSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
CustomYRadius = 25
ExplodeBiggest = 20
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier =
1.000000000000000000
PieValues.Order = loNone
end
end
<-----> object Chart10: TChart
Left = 105
Top = 139
Width = 97
Height = 66
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset =
DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -17
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (
)
AxisVisible = False
Chart3DPercent = 100
ClipPoints = False
Frame.Visible = False
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal =
False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360

AC.&P

Top = 31
Width = 97
Height = 66
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
MarginBottom = 10
MarginLeft = 5
MarginRight = 5
MarginTop = 0
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -17
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (")
AxisVisible = False
Chart3DPercent = 50
ClipPoints = False
Frame.Visible = False
Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 0
<-----> object Series1: TPieSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
CustomYRadius = 25
ExplodeBiggest = 25
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
end

Legend.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
BevelOuter = bvNone
Color = clAqua
TabOrder = 3
<-----> object PieSeries8: TPieSeries
Marks.Arrow.Color = clBlack
Marks.ArrowLength = 1
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clNavy
Marks.Font.Height = -11
Marks.Font.Name = 'Arial'
Marks.Font.Style = []
Marks.Frame.Visible = False
Marks.Transparent = True
Marks.Visible = True
DataSource = Series1
PercentFormat = '##0.00 %'
SeriesColor = clRed
CustomYRadius = 35
ExplodeBiggest = 40
OtherSlice.Text = 'Other'
PiePen.Visible = False
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
DataSources = ('Series1' 'PieSeries6' 'PieSeries7' 'PieSeries9')
<-----> object PieSeries8TAddTeeFunction: TAddTeeFunction
end
end
end
<-----> object Chart1: TChart
Left = 105

AC.&P

Caption = 'For Borland Delphi, Kylix and C++ Builder'
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
end
<-----> object Timer1: TTimer
Interval = 1
OnTimer = Timer1Timer
Left = 408
Top = 283
end
<-----> object Timer2: TTimer
Interval = 200
OnTimer = Timer2Timer
Left = 356
Top = 281
end
End
////////////////////////////////////
14
<-----> object AxisLabelsForm: TAxisLabelsForm
Left = 197
Top = 109
Width = 501
Height = 355
Caption = 'TeeChart Sample Project. Custom Axis Labeling'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 153
Top = 0
Width = 340
Height = 321
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear

end
end
<-----> object TPanel
Left = 8
Top = 359
Width = 156
Height = 1
TabOrder = 3
end
<-----> object TPanel
Left = 475
Top = 360
Width = 153
Height = 1
TabOrder = 4
end
<-----> object Panel3: TPanel
Left = 8
Top = 11
Width = 465
Height = 81
TabOrder = 5
<-----> object Label1: TLabel
Left = 8
Top = 15
Width = 449
Height = 22
HelpType = htKeyword
Alignment = taCenter
AutoSize = False
Caption = 'The 100% Native Charting VCL / CLX Library'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Label9: TLabel
Left = 8
Top = 44
Width = 449
Height = 19
HelpType = htKeyword
Alignment = taCenter
AutoSize = False

<-----> object PointSeries1: TPointSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 283
Top = 132
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 153
Height = 321
Align = alLeft
TabOrder = 1
<-----> object RadioGroup1: TRadioGroup
Left = 17
Top = 16
Width = 120
Height = 57
Caption = 'Choose Axis Labels:'
ItemIndex = 1
Items.Strings = ('Default' 'User defined')
TabOrder = 0
OnClick = RadioGroup1Click
end
<-----> object BitBtn3: TBitBtn
Left = 32
Top = 328
Width = 89
Height = 33

Foot.Frame.Color = clScrollBar
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clMaroon
BottomAxis.LabelsFont.Height = - 21
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = [fsBold, fsItalic]
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clNavy
LeftAxis.LabelsFont.Height = -24
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = [fsBold, fsItalic]
Legend.Alignment = laTop
OnGetNextAxisLabel = Chart1GetNextAxisLabel
Align = alClient
TabOrder = 0
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 199
Top = 122
end

<-----> object Memo1: TMemo
Left = 0
Top = 167
Width = 467
Height = 307
Align = alClient
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
Lines.Strings = ('Some of the TeeChart Pro 5.0 features are:' " '** Supports Kylix.'
'** Optional FULL 100% source code and Pro-Support at additional ' + 'price'
'** Electronic delivery. Optional CDRom and printed guide mailed.'
'** Multiple Charts per Form and Multiple Series per Chart.'
'** New ! Multiple unlimited axes per Chart.'
'** New ! 3D Rotation, elevation, zoom and scroll.'
'** New ! Optional OpenGL 3D realistic rendering'
'** New ! Multi-row Legends'
'** New ! Logarithmic axis labels'
'** New ! Radar, Surface 3D, Contour 3D, Point 3D, and Error- Seri' + 'es'
'** New ! Pie Slice Exploding'
'** New ! Custom Arrays supported.'
'** Up to 2500000000 points per Series !'
'** Add, change, delete values manually or...'
'** Link directly to Tables and Queries. (TDBChart)'

TabOrder = 1
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 16
Top = 96
Width = 121
Height = 193
Lines.Strings = ('This example shows ' 'how Axis labels can be ' 'customized, ' 'both their position and ' 'text using ' 'OnGetAxisLabel and' 'OnGetNextAxisLabel ' 'events.' " 'In this example Bottom ' 'axis labels are set to the ' 'starting day of each ' 'month.')
TabOrder = 2
end
end
End
////////////////////////////////////
15
<-----> object ChartSpecs: TChartSpecs
Left = 192
Top = 106
Width = 475
Height = 508
ActiveControl = Memo1
Caption = 'TeeChart Pro 5.0 Specifications...'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
PixelsPerInch = 96
TextHeight = 13

AC.&P

Stacked B' +
'ars...'
'** Stacked 100%, Stack Groups'
'** Error Bars, Arrows'
'** Bubble, Pie, Gantt, Candle-Stick, Curve Fitting...'
'** Waterfall, ColorGrid, Histogram, Smith'
'** Funnel, Bollinger, ADX, MACD, Pyramid, Donut, Box-Whisker'
'** Automatic paging of Series points'
'** Custom drawing and printing'
'** Gradient and Picture Background filling'
'** Many new samples and example projects'
'** PacMan game made with TeeChart.'
'** No Royalties or Runtime fees.'
"
'(*) QuickReport is copyright by Allan Lochert, QuSoft AS, Norway' +
'.)
ParentFont = False
ReadOnly = True
ScrollBars = ssBoth
TabOrder = 0
end
<-----> object Panel2: TPanel
Left = 0
Top = 0
Width = 467
Height = 60
Align = alTop
TabOrder = 1
<-----> object Label1: TLabel
Left = 164
Top = 35
Width = 160
Height = 16
HelpType = htKeyword
Caption = 'Product Specifications.'

'** Any Series can be linked to another Series (both at Design an' +
'd RunTime).'
'** Non Data-Aware charting if desired. '
'** Seamless integration with QuickReport 2.0 and 3.0'
'** Automatic Resize and Refreshing'
'** Animated Zoom, Scrolling & RealTime capabilities.'
'** 2D 3D. Z-Order configurable.'
'** Standard, Statistical & Financial Series types included.'
'** Extended Series types and Functions are easy to create.'
'** Tones of properties to customize your preferences.'
'** Events to control user''s input and override default behaviour' +
's'
'** Resource messages (*.rc) to allow internationalization'
'** Property Editor dialogs also available at RunTime.'
'** Complete Printing control both to Printer and User Canvas.'
'** Remote loading of charts from www URL''s'
'** JPEG, PNG, GIF, PCX, Metafile *.WMF and Bitmap *.BMP file and' +
' clipboard support'
'** Accepts any child control (TeeChart derives from TPanel).'
'** No VBX''s or OCX''s required. Just packages and units !'
'** No drawing flickering.'
'** Mini-charts capable'
'** Many Example Projects and a Tips Database'
'** Lines, Scatter, Area, Vertical and Horizontal Bars,

more than 250 new features over the
'
'standard version included in Delphi and C++ Builder.'
"
'Visit us at
http://www.steema.com and
download the evaluation ve' +
'rsion.'
")
TabOrder = 0
end
end
End
////////////////////
16
<-----> object ColoredForm: TColoredForm
Left = 189
Top = 111
Width = 574
Height = 439
Caption = 'TeeChart Custom Coloring Example'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 137
Top = 0
Width = 429
Height = 405
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset =
DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Title.Alignment = taRightJustify
Title.Text.Strings = (
'Each Point has it's own Color')
Chart3DPercent = 10

Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Image2: TImage
Left = 14
Top = 8
Width = 141
Height = 45
HelpType = htKeyword
AutoSize = True
Picture.Data = {
end
<-----> object BitBtn1: TBitBtn
Left = 368
Top = 20
Width = 89
Height = 33
TabOrder = 0
Kind = bkClose
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 60
Width = 467
Height = 107
Align = alTop
TabOrder = 2
<-----> object Memo2: TMemo
Left = 7
Top = 5
Width = 450
Height = 92
Lines.Strings = (
'TeeChart Pro 5.0 is a library of 100% Native Borland Delphi char' +
'ting '
'and graphing components ready to include in your applications.'
'TeeChart Pro 5.0 includes

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Height = 405
Align = alLeft
TabOrder = 1
<-----> object CheckBox1: TCheckBox
Left = 7
Top = 20
Width = 114
Height = 17
Caption = 'Left Axis Inverted'
Checked = True
State = cbChecked
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object BitBtn2: TBitBtn
Left = 19
Top = 316
Width = 89
Height = 33
TabOrder = 1
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 8
Top = 72
Width = 121
Height = 161
Lines.Strings = ('This demo shows how ' 'to set a different color ' 'for each point after ' 'points have been added ' 'to the Series.' " 'It shows too how to ' 'invert Axis using the axis ' 'Inverted property.')
TabOrder = 2
end
end
End
////////////////////////////////////
17
<-----> object CustomAxisForm: TCustomAxisForm
Left = 166
Top = 110

LeftAxis.Inverted = True
Legend.Alignment = laBottom
Align = alClient
TabOrder = 0
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
Stairs = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
<-----> object PointSeries1: TPointSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 137

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Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
AfterDrawValues =
LineSeries1AfterDrawValues
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
Left = 101
Top = 63
end
<-----> object PointSeries1:
TPointSeries
ColorEachPoint = True
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
Pointer.InflateMargins = True
Pointer.Style = psDiamond
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
Left = 147
Top = 61
end
<-----> object FastLineSeries1:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clBlue
LinePen.Color = clBlue

Width = 603
Height = 402
Caption = 'TeeChart Custom Axis
Drawing Example'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 137
Top = 0
Width = 458
Height = 368
AnimatedZoom = True
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset =
DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Gradient.Visible = True
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'TChart Component')
Title.Visible = False
BottomAxis.Grid.Color =
clScrollBar
BottomAxis.Grid.Visible = False
LeftAxis.Grid.Color = clScrollBar
LeftAxis.Grid.Visible = False
Legend.Alignment = laLeft
RightAxis.Grid.Color =
clScrollBar
RightAxis.Grid.Visible = False
TopAxis.Grid.Color = clScrollBar
TopAxis.Grid.Visible = False
View3D = False
View3DWalls = False
Align = alClient
TabOrder = 0
<-----> object LineSeries1:
TLineSeries

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```

Left = 9
Top = 92
Width = 97
Height = 17
Caption = 'Invert Axis '
TabOrder = 2
OnClick = CheckBox2Click
end
<-----> object DrawGrid:
TCheckBox
Left = 9
Top = 60
Width = 80
Height = 17
Caption = 'Draw Grid'
Checked = True
State = cbChecked
TabOrder = 3
OnClick = DrawGridClick
end
<-----> object Memo1: TMemo
Left = 8
Top = 136
Width = 121
Height = 153
Lines.Strings = (
'This example shows '
'how to draw custom '
'Axis at specific '
'positions.'
''
'The Axis CustomDraw '
'method is use to display '
'custom Axis.')
```

```

XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
Left = 187
Top = 64
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 137
Height = 368
Align = alLeft
TabOrder = 1
<-----> object CheckBox1:
TCheckBox
Left = 9
Top = 12
Width = 97
Height = 17
Caption = '&Animate !!!'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -16
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object BitBtn1: TBitBtn
Left = 25
Top = 324
Width = 80
Height = 33
TabOrder = 1
Kind = bkClose
end
<-----> object CheckBox2:
TCheckBox
```

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Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.00000000000000000000
YValues.Order = loNone
Left = 199
Top = 121
end
end
<-----> object Panell1: TPanel
Left = 0
Top = 0
Width = 145
Height = 370
Align = alLeft
TabOrder = 1
<-----> object Label1: TLabel
Left = 44
Top = 12
Width = 15
Height = 13
HelpType = htKeyword
Caption = '0,0'
end
<-----> object Label2: TLabel
Left = 16
Top = 12
Width = 20
Height = 13
HelpType = htKeyword
Caption = 'X,Y:'
end
<-----> object BitBtn1: TBitBtn
Left = 26
Top = 324
Width = 89
Height = 33
TabOrder = 0
Kind = bkClose
end
<-----> object CheckBox1:

TCrossHairForm
Left = 200
Top = 111
Width = 506
Height = 404
ActiveControl = Chart1
Caption = 'TeeChart Cross Hair Demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 145
Top = 0
Width = 353
Height = 370
Cursor = crCross
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Title.Text.Strings = ('TChart Component')
Title.Visible = False
BottomAxis.Grid.Visible = False
Chart3DPercent = 30
LeftAxis.Grid.Visible = False
View3D = False
Align = alClient
TabOrder = 0
OnMouseMove = Chart1MouseMove
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
AfterDrawValues = LineSeries1AfterDrawValues
Pointer.InflateMargins = True

AC.&P

Caption = 'TeeChart Example. Horizontal and Vertical Bars with DBChart'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<-----> object DBChart1:
TDBChart
Left = 145
Top = 0
Width = 455
Height = 439
AnimatedZoom = True
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = clWhite
BottomWall.Color = 16777088
Foot.Brush.Color = clBlue
Foot.Color = clBlue
Foot.Font.Charset =
DEFAULT_CHARSET
Foot.Font.Color = clLime
Foot.Font.Height = -13
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsBold, fsItalic]
Foot.Frame.Color = clWhite
Foot.Frame.Width = 5
Foot.Frame.Visible = True
Foot.Text.Strings = (
'Who has all of them ?')
Title.Alignment = taLeftJustify
Title.Brush.Color = clNavy
Title.Color = clNavy
Title.Font.Charset =
DEFAULT_CHARSET
Title.Font.Color = clYellow
Title.Font.Height = -19
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clBlue
Title.Frame.Width = 5
Title.Frame.Visible = True
Title.Text.Strings = (
'Animal Comparison'

TCheckBox
Left = 15
Top = 44
Width = 97
Height = 17
Caption = 'C&ross Cursor'
Checked = True
State = cbChecked
TabOrder = 1
OnClick = CheckBox1Click
end
<-----> object BitBtn2: TBitBtn
Left = 11
Top = 260
Width = 118
Height = 33
Caption = 'CrossHair C&olor...'
TabOrder = 2
OnClick = BitBtn2Click
end
<-----> object Memo1: TMemo
Left = 8
Top = 80
Width = 121
Height = 161
Lines.Strings = (
'Cross-hair lines are '
'drawn over a TChart '
'using the '
'OnMouseMove event.'
''
'Coordinates for the '
'cross-hair lines are '
'calculated using the '
'Series GetCursorValues '
'method.')
TabOrder = 3
end
end
End
////////////////////////////////////
19
<-----> object DBHorizBarForm:
TDBHorizBarForm
Left = 185
Top = 109
Width = 608
Height = 473

DEFAULT_CHARSET
TopAxis.LabelsFont.Color = clRed
TopAxis.LabelsFont.Height = -13
TopAxis.LabelsFont.Name = 'Arial'
TopAxis.LabelsFont.Style = [fsItalic]
TopAxis.Title.Caption = 'Weight in Kg'
TopAxis.Title.Font.Charset = DEFAULT_CHARSET
TopAxis.Title.Font.Color = clBlue
TopAxis.Title.Font.Height = -16
TopAxis.Title.Font.Name = 'Arial'
TopAxis.Title.Font.Style = []
Align = alClient
TabOrder = 0
<-----> object HorizBarSeries1: THorizBarSeries
HorizAxis = aTopAxis
Marks.Arrow.Color = clLime
Marks.ArrowLength = 20
Marks.BackColor = clWhite
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clRed
Marks.Font.Height = -13
Marks.Font.Name = 'Arial'
Marks.Font.Style = [fsBold]
Marks.Style = smsXValue
Marks.Visible = True
DataSource = Table1
SeriesColor = clRed
Title = 'Weight'
XLabelsSource = 'NAME'
MultiBar = mbNone
XValues.DateTime = False
XValues.Name = 'Bar'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loNone
XValues.ValueSource = 'WEIGHT'
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone

'Size vs. Weight')
BackColor = clWhite
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clGreen
BottomAxis.LabelsFont.Height = -13
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = [fsBold, fsItalic]
BottomAxis.LabelStyle = talValue
BottomAxis.Title.Caption = 'Size in Inches'
BottomAxis.Title.Font.Charset = DEFAULT_CHARSET
BottomAxis.Title.Font.Color = clYellow
BottomAxis.Title.Font.Height = -16
BottomAxis.Title.Font.Name = 'Arial'
BottomAxis.Title.Font.Style = [fsBold]
Chart3DPercent = 50
LeftAxis.Inverted = True
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clNavy
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = [fsBold]
LeftAxis.LabelsSeparation = 5
LeftAxis.LabelStyle = talText
LeftAxis.Title.Caption = 'Animal Name'
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clRed
LeftAxis.Title.Font.Height = -19
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold, fsItalic]
Legend.ColorWidth = 60
TopAxis.LabelsFont.Charset =

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State = cbChecked
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object RadioGroup1: TRadioGroup
Left = 6
Top = 44
Width = 123
Height = 101
Caption = 'MultiBar Style'
ItemIndex = 0
Items.Strings = ('&None' 'S&ide to Side' '&Stacked' 'S&tacked 100%')
TabOrder = 1
OnClick = RadioGroup1Click
end
<-----> object BitBtn2: TBitBtn
Left = 22
Top = 400
Width = 95
Height = 35
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
Kind = bkClose
end
<-----> object BitBtn3: TBitBtn
Left = 8
Top = 359
Width = 121
Height = 34
Caption = 'Swap Series'
TabOrder = 3
OnClick = BitBtn3Click
Glyph.Data = { 0303}
NumGlyphs = 2
end
<-----> object CheckBox2:

end
<-----> object HorizBarSeries2: THorizBarSeries
Marks.Arrow.Color = clYellow
Marks.ArrowLength = 20
Marks.BackColor = clWhite
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clGreen
Marks.Font.Height = -13
Marks.Font.Name = 'Arial'
Marks.Font.Style = [fsBold, fsItalic]
Marks.Style = smsXValue
Marks.Visible = True
DataSource = Table1
SeriesColor = clBlue
Title = 'Size'
XLabelsSource = 'NAME'
MultiBar = mbNone
XValues.DateTime = False
XValues.Name = 'Bar'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loNone
XValues.ValueSource = 'SIZE'
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 145
Height = 439
Align = alLeft
TabOrder = 1
<-----> object CheckBox1: TCheckBox
Left = 42
Top = 155
Width = 47
Height = 17
Caption = '3&D'
Checked = True

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Left = 382
Top = 17
end
End
////////////////////
20
<-----> object DemoForm:
TDemoForm
Left = 189
Top = 110
Width = 628
Height = 440
ActiveControl = ListBox1
Caption = 'DemoForm'
Color = clNavy
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
OnShow = FormShow
PixelsPerInch = 96
TextHeight = 13
<-----> object Label4: TLabel
Left = 121
Top = 260
Width = 23
Height = 13
HelpType = htKeyword
Alignment = taRightJustify
Caption = 'Slow'
end
<-----> object Label5: TLabel
Left = 12
Top = 260
Width = 20
Height = 13
HelpType = htKeyword
Caption = 'Fast'
end
<-----> object Panel2: TPanel
Left = 0
Top = 367
Width = 620

TCheckBox
Left = 8
Top = 8
Width = 137
Height = 25
Caption = '&Animate !!!'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 4
OnClick = CheckBox2Click
end
<-----> object Memo1: TMemo
Left = 8
Top = 184
Width = 121
Height = 161
Lines.Strings = (
'Connecting a Series to '
'a TTable component is '
'just at few mouse clicks '
'using the Chart editor '
'dialog !'
"
'In this example 2 fields '
'from ANIMALS.DBF '
'table are connected to '
'2 Horizontal Bar'
'Series.')
TabOrder = 5
end
end
<-----> object Table1: TTable
Active = True
DatabaseName = 'DBDEMOS'
ReadOnly = True
TableName = 'ANIMALS.DBF'
Left = 431
Top = 18
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 1
OnTimer = Timer1Timer

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Width = 85
Height = 25
Caption = 'Zoom Out'
TabOrder = 2
OnClick = BitBtn2Click
Glyph.Data = {
333333773FF773333333333370007333
3333333333777333333333}
NumGlyphs = 2
end
<-----> object Button3: TButton
Left = 204
Top = 7
Width = 75
Height = 25
Caption = 'Reset Zoom'
Enabled = False
TabOrder = 3
OnClick = Button3Click
end
end
<-----> object Panel3: TPanel
Left = 453
Top = 0
Width = 167
Height = 367
Align = alRight
TabOrder = 2
<-----> object Image1: TImage
Left = 14
Top = 6
Width = 141
Height = 45
HelpType = htKeyword
AutoSize = True
Picture.Data = {
07544269746D6170861D0000424D86
1D0000000000003604000028000008
D00
00002D000000010008000000000501
90000000000000000000000001000000
01
0000000000008080800000008000008
080000080000080800000800000080
00

Height = 39
Align = alBottom
TabOrder = 1
<-----> object SpeedButton1: TSpeedButton
Left = 312
Top = 7
Width = 25
Height = 25
HelpType = htKeyword
Glyph.Data = {
NumGlyphs = 2
OnClick = SpeedButton1Click
end
<-----> object SpeedButton2: TSpeedButton
Left = 344
Top = 7
Width = 25
Height = 25
HelpType = htKeyword
Glyph.Data = {
NumGlyphs = 2
OnClick = SpeedButton4Click
end
<-----> object Button2: TButton
Left = 492
Top = 7
Width = 75
Height = 25
Caption = '< Back'
TabOrder = 0
OnClick = Button2Click
end
<-----> object BitBtn1: TBitBtn
Left = 16
Top = 7
Width = 81
Height = 25
Caption = 'Zoom In'
TabOrder = 1
OnClick = BitBtn1Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object BitBtn2: TBitBtn
Left = 110
Top = 7

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Width = 43
Height = 13
HelpType = htKeyword
Caption = '&Rotation:'
FocusControl = ScrollBar3
end
<-----> object ListBox1:
TListBox
Left = 12
Top = 82
Width = 145
Height = 152
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ItemHeight = 13
Items.Strings = (
'Line / Strip'
'Bar / Stacked'
'Horizontal Bar /Stacked'
'Area / Step'
'Point XY / Scatter'
'Pie'
'Fast Line'
'Arrow'
'Bubble'
'Gantt'
'Shapes')
ParentFont = False
TabOrder = 0
OnClick = ListBox1Click
end
<-----> object CheckBox1:
TCheckBox
Left = 53
Top = 292
Width = 37
Height = 17
Caption = '3&D:'
Checked = True
State = cbChecked
TabOrder = 1
OnClick = CheckBox1Click
end
<-----> object CheckBox2:

OnClick = Image1Click
end
<-----> object Label1: TLabel
Left = 12
Top = 66
Width = 64
Height = 13
HelpType = htKeyword
Caption = '&Series Types:'
FocusControl = ListBox1
end
<-----> object Label2: TLabel
Left = 17
Top = 247
Width = 20
Height = 13
HelpType = htKeyword
Caption = 'Fast'
end
<-----> object Label3: TLabel
Left = 126
Top = 247
Width = 23
Height = 13
HelpType = htKeyword
Alignment = taRightJustify
Caption = 'Slow'
end
<-----> object Label6: TLabel
Left = 17
Top = 300
Width = 14
Height = 13
HelpType = htKeyword
Caption = '2D'
end
<-----> object Label7: TLabel
Left = 135
Top = 300
Width = 14
Height = 13
HelpType = htKeyword
Alignment = taRightJustify
Caption = '3D'
end
<-----> object Label8: TLabel
Left = 8
Top = 346

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TabOrder = 5
OnChange = ScrollBar3Change
end
end
<-----> object Notebook1:
TNotebook
Left = 0
Top = 0
Width = 453
Height = 367
Align = alClient
TabOrder = 0
<-----> object TPage
Left = 0
Top = 0
Caption = 'Line'
<-----> object Chart1: TChart
Left = 0
Top = 0
Width = 453
Height = 367
BackWall.Brush.Color =
clWhite
BackWall.Brush.Style =
bsClear
BackWall.Color = clWhite
BottomWall.Color = 16777088
BottomWall.Size = 9
LeftWall.Color = 8454016
LeftWall.Size = 9
Title.Brush.Color = 8388863
Title.Color = 8388863
Title.Font.Charset =
DEFAULT_CHARSET
Title.Font.Color = clWhite
Title.Font.Height = -19
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold,
fsItalic]
Title.Frame.Width = 3
Title.Frame.Visible = True
Title.Text.Strings = (
'Worldwide Fuel
Consumption'
'(in millions of liters)')
BackColor = clWhite
BottomAxis.Axis.Color = clBlue
BottomAxis.Grid.Visible =
False

TCheckBox
Left = 53
Top = 239
Width = 57
Height = 17
Caption = '&Animate'
Checked = True
State = cbChecked
TabOrder = 2
OnClick = CheckBox2Click
end
<-----> object ScrollBar1:
TScrollBar
Left = 17
Top = 263
Width = 133
Height = 16
LargeChange = 100
Max = 1000
Min = 1
PageSize = 0
Position = 1
SmallChange = 25
TabOrder = 3
OnChange = ScrollBar1Change
end
<-----> object ScrollBar2:
TScrollBar
Left = 17
Top = 316
Width = 133
Height = 16
Min = 1
PageSize = 0
Position = 15
TabOrder = 4
OnChange = ScrollBar2Change
end
<-----> object ScrollBar3:
TScrollBar
Left = 56
Top = 344
Width = 94
Height = 16
Max = 360
Min = 270
PageSize = 0
Position = 360

Legend.Font.Style = [fsBold]
Align = alClient
Color = 8454143
TabOrder = 0
<-----> object Series1:
TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = 65408
Title = 'Europe'
Pointer.Brush.Color = clRed
Pointer.HorizSize = 6
Pointer.InflateMargins = False
Pointer.Style = psCircle
Pointer.VertSize = 6
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
<-----> object Series2:
TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clAqua
Title = 'America'
Pointer.Brush.Color = clLime
Pointer.HorizSize = 6
Pointer.InflateMargins = False
Pointer.Style = psTriangle
Pointer.VertSize = 6
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000

BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clBlack
BottomAxis.LabelsFont.Height = -11
BottomAxis.LabelsFont.Name = 'Courier New'
BottomAxis.LabelsFont.Style = [fsBold]
BottomAxis.TickInnerLength = 6
BottomAxis.TicksInner.Width = 2
BottomAxis.Title.Caption = 'Measure Station'
BottomAxis.Title.Font.Charset = DEFAULT_CHARSET
BottomAxis.Title.Font.Color = clBlue
BottomAxis.Title.Font.Height = -13
BottomAxis.Title.Font.Name = 'Arial'
BottomAxis.Title.Font.Style = [fsBold]
LeftAxis.Grid.Color = clBlue
LeftAxis.MinorTickCount = 2
LeftAxis.MinorTickLength = 4
LeftAxis.TickInnerLength = 9
LeftAxis.TickLength = 7
LeftAxis.Ticks.Width = 2
LeftAxis.Title.Caption = 'Liters'
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clNavy
LeftAxis.Title.Font.Height = -16
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold, fsItalic]
Legend.Color = clBlue
Legend.ColorWidth = 27
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clWhite
Legend.Font.Height = -13
Legend.Font.Name = 'Arial'

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end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Bar'
<-----> object Chart2: TChart
Left = 0
Top = 0
Width = 453
Height = 367
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = 8454143
BackWall.Pen.Color = clRed
BottomWall.Size = 4
LeftWall.Color = 16777088
LeftWall.Size = 4
Title.Alignment = taRightJustify
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = []
Title.Text.Strings = ('American Charting Suppliers, Inc.'
'1997 Production Volume')
BackColor = 8454143
Frame.Color = clRed
LeftAxis.Grid.Visible = False
LeftAxis.Title.Caption = 'Millions of \$'
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clBlack
LeftAxis.Title.Font.Height = -15
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = []
Legend.Alignment = laTop
Legend.ColorWidth = 22
Legend.DividingLines.Color = clSilver

YValues.Order = loNone
end
<-----> object Series3: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clYellow
Title = 'Asia'
LinePen.Visible = False
Pointer.Brush.Color = clBlue
Pointer.HorizSize = 6
Pointer.InflateMargins = False
Pointer.Style = psDownTriangle
Pointer.VertSize = 6
Pointer.Visible = True
Stairs = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
<-----> object Series4: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clBlue
Title = 'Africa'
Pointer.Brush.Color = 8454143
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end

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XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Bar'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
<-----> object Series6: TBarSeries
Marks.ArrowLength = 20
Marks.BackColor = 65408
Marks.Visible = True
SeriesColor = clBlue
Title = 'Paris'
MultiBar = mbNone
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Bar'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Horizontal Bar'
<-----> object Chart3: TChart
Left = 0
Top = 0
Width = 453
Height = 367
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = 12615935
BottomWall.Size = 8
Foot.Font.Charset = DEFAULT_CHARSET

Legend.DividingLines.Visible = True
Legend.ShadowColor = clGray
Legend.ShadowSize = 5
Align = alClient
TabOrder = 0
<-----> object ComboBox1: TComboBox
Left = 12
Top = 8
Width = 109
Height = 21
Style = csDropDownList
ItemHeight = 13
TabOrder = 0
OnChange = ComboBox1Change
Items.Strings = ('None' 'Side to Side' 'Stacked' 'Stacked 100%')
end
<-----> object Series5: TBarSeries
Marks.ArrowLength = 20
Marks.Visible = False
SeriesColor = clNavy
Title = 'San Francisco'
MultiBar = mbNone
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Bar'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
<-----> object Series7: TBarSeries
Marks.ArrowLength = 20
Marks.BackColor = 16777088
Marks.Visible = False
SeriesColor = clYellow
Title = 'Hong Kong'
MultiBar = mbNone

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THorizBarSeries
Marks.ArrowLength = 20
Marks.Visible = False
SeriesColor = clRed
Title = 'IP'
VertAxis = aRightAxis
MultiBar = mbStacked
XValues.DateTime = False
XValues.Name = 'Bar'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loNone
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
<-----> object Series10:
THorizBarSeries
Marks.ArrowLength = 20
Marks.Visible = False
SeriesColor = clYellow
Title = 'Netware'
VertAxis = aRightAxis
MultiBar = mbStacked
XValues.DateTime = False
XValues.Name = 'Bar'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loNone
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
<-----> object Series9:
THorizBarSeries
Marks.ArrowLength = 20
Marks.BackColor = clBlue
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clAqua
Marks.Font.Height = -11
Marks.Font.Name = 'Arial'
Marks.Font.Style = []
Marks.Frame.Color = clWhite
Marks.Visible = True

Foot.Font.Color = clRed
Foot.Font.Height = -19
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Text.Strings = ('Ethernet Protocol Statistics')
LeftWall.Size = 8
MarginLeft = 4
MarginRight = 4
MarginTop = 9
Title.Text.Strings = ('')
Title.Visible = False
BackColor = 12615935
Chart3DPercent = 40
Legend.Alignment = laTop
Legend.TopPos = 19
RightAxis.Title.Caption = 'Hub'
TopAxis.Title.Caption = 'Packets (in thousands)'
TopAxis.Title.Font.Charset = DEFAULT_CHARSET
TopAxis.Title.Font.Color = clNavy
TopAxis.Title.Font.Height = -15
TopAxis.Title.Font.Name = 'Arial'
TopAxis.Title.Font.Style = [fsBold, fsItalic]
Align = alClient
TabOrder = 0
<-----> object ComboBox2:
TComboBox
Left = 12
Top = 8
Width = 109
Height = 21
Style = csDropDownList
ItemHeight = 13
TabOrder = 0
OnChange = ComboBox1Change
Items.Strings = ('None', 'Side to Side', 'Stacked', 'Stacked 100%')
end
<-----> object Series8:

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BottomAxis.Grid.Style = psSolid
Chart3DPercent = 30
LeftAxis.Grid.Style = psSolid
Legend.Color = 8454143
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clBlack
Legend.Font.Height = -12
Legend.Font.Name = 'Arial'
Legend.Font.Style = [fsBold]
Legend.Frame.Width = 2
RightAxis.Grid.Color = clYellow
RightAxis.Grid.Style = psSolid
RightAxis.LabelsFont.Charset = DEFAULT_CHARSET
RightAxis.LabelsFont.Color = clBlack
RightAxis.LabelsFont.Height = -11
RightAxis.LabelsFont.Name = 'Arial'
RightAxis.LabelsFont.Style = [fsBold]
RightAxis.Title.Caption = 'Price'
TopAxis.Grid.Style = psSolid
TopAxis.Grid.Visible = False
TopAxis.LabelsFont.Charset = DEFAULT_CHARSET
TopAxis.LabelsFont.Color = clPurple
TopAxis.LabelsFont.Height = -12
TopAxis.LabelsFont.Name = 'Arial'
TopAxis.LabelsFont.Style = []
Align = alClient
TabOrder = 0
<-----> object CheckBox4: TCheckBox
Left = 8
Top = 8
Width = 57
Height = 17
Caption = 'Steps'
TabOrder = 0
OnClick = CheckBox4Click

SeriesColor = 8454016
Title = 'ARP'
VertAxis = aRightAxis
MultiBar = mbStacked
XValues.DateTime = False
XValues.Name = 'Bar'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loNone
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Area'
<-----> object Chart4: TChart
Left = 0
Top = 0
Width = 453
Height = 374
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BottomWall.Color = clNavy
BottomWall.Size = 8
Foot.Text.Strings = (
"
'number of users')
LeftWall.Color = clWhite
LeftWall.Size = 8
MarginBottom = 6
MarginLeft = 6
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -13
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = (
'Database licences policy'
'Cost per user')

YValues.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Point XY'
<-----> object Chart5: TChart
Left = 0
Top = 0
Width = 453
Height = 374
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = clGray
BottomWall.Color = clSilver
BottomWall.Size = 6
Gradient.Direction = gdRightLeft
Gradient.Visible = True
LeftWall.Color = clSilver
LeftWall.Size = 6
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clTeal
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Text.Strings = ('Fuel Consumption')
BackColor = clGray
BottomAxis.Grid.Visible = False
LeftAxis.Grid.Visible = False
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clOlive
LeftAxis.LabelsFont.Height = -11
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = [fsBold]
Legend.Alignment = laTop
Legend.Color = clBlack

end
<-----> object Series11: TAreaSeries
HorizAxis = aTopAxis
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clAqua
Title = 'SQL-Provider 1.2'
VertAxis = aRightAxis
AreaColor = clAqua
AreaLinesPen.Color = clGray
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
<-----> object Series12: TAreaSeries
HorizAxis = aTopAxis
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clTeal
Title = 'Super-OLAP 2.0'
VertAxis = aRightAxis
AreaColor = clTeal
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000

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YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
<-----> object Series14: TPointSeries
Marks.ArrowLength = 0
Marks.Visible = False
SeriesColor = clGreen
Title = 'Bikes'
Pointer.HorizSize = 6
Pointer.InflateMargins = True
Pointer.Style = psCircle
Pointer.VertSize = 6
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end
<-----> object Series15: TPointSeries
Marks.ArrowLength = 0
Marks.Visible = False
SeriesColor = clYellow
Title = 'Trucks'
Pointer.HorizSize = 6
Pointer.InflateMargins = True
Pointer.Style = psTriangle
Pointer.VertSize = 6
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
end

Legend.ColorWidth = 32
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clAqua
Legend.Font.Height = -12
Legend.Font.Name = 'Arial'
Legend.Font.Style = []
Legend.Frame.Color = clRed
Legend.Frame.Width = 2
Legend.ShadowColor = clWhite
Legend.ShadowSize = 1
RightAxis.Grid.Style = psSolid
RightAxis.LabelsFont.Charset = DEFAULT_CHARSET
RightAxis.LabelsFont.Color = clNavy
RightAxis.LabelsFont.Height = -12
RightAxis.LabelsFont.Name = 'Arial'
RightAxis.LabelsFont.Style = [fsItalic]
TopAxis.Grid.Style = psSolid
TopAxis.LabelsFont.Charset = DEFAULT_CHARSET
TopAxis.LabelsFont.Color = clBlue
TopAxis.LabelsFont.Height = -12
TopAxis.LabelsFont.Name = 'Arial'
TopAxis.LabelsFont.Style = []
Align = alClient
TabOrder = 0
<-----> object Series13: TPointSeries
Marks.ArrowLength = 0
Marks.Visible = False
SeriesColor = clRed
Title = 'Cars'
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False

HorizAxis = aTopAxis
Marks.ArrowLength = 0
Marks.Visible = False
SeriesColor = clGray
Title = 'Rockets'
VertAxis = aRightAxis
Pointer.InflateMargins = True
Pointer.Style = psDiamond
Pointer.VertSize = 9
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Pie'
<-----> object Chart6: TChart
Left = 0
Top = 0
Width = 453
Height = 374
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Foot.Text.Strings = ('The Furniture Specialists Intl.)
Gradient.Direction = gdRightLeft
Gradient.Visible = True
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -16

<-----> object Series16: TPointSeries
HorizAxis = aTopAxis
Marks.ArrowLength = 0
Marks.Visible = False
SeriesColor = clBlue
Title = 'Boats'
VertAxis = aRightAxis
Pointer.HorizSize = 8
Pointer.InflateMargins = True
Pointer.Style = psDownTriangle
Pointer.VertSize = 8
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
<-----> object Series17: TPointSeries
Marks.ArrowLength = 0
Marks.Visible = False
SeriesColor = clWhite
Title = 'Planes'
Pointer.HorizSize = 7
Pointer.InflateMargins = True
Pointer.Style = psDiagCross
Pointer.VertSize = 2
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
<-----> object Series18: TPointSeries

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Marks.Visible = True
SeriesColor = clRed
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Pie'
PieValues.Multiplier = 1.000000000000000000
PieValues.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Fast Line'
<-----> object Chart7: TChart
Left = 0
Top = 0
Width = 453
Height = 374
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Title.AdjustFrame = False
Title.Brush.Color = clBlue
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clAqua
Title.Font.Height = -19
Title.Font.Name = 'Arial'
Title.Font.Style = []
Title.Frame.Width = 2
Title.Frame.Visible = True
Title.Text.Strings = ('Traded Volume from 1990 to 1996')
BottomAxis.Title.Caption = 'Trading Sessions'
LeftAxis.Title.Caption = 'Number of Shares'
Legend.Alignment = laTop
Legend.Color = clGray
Legend.Font.Charset = DEFAULT_CHARSET
Legend.Font.Color = clWhite
Legend.Font.Height = -11
Legend.Font.Name = 'Arial'
Legend.Font.Style = []

Title.Font.Name = 'Arial'
Title.Font.Style = []
Title.Text.Strings = ('% Growth Rate ')
AxisVisible = False
ClipPoints = False
Frame.Visible = False
Legend.Alignment = laLeft
Legend.Color = 8453888
Legend.Frame.Color = clBlue
Legend.Frame.Style = psDot
Legend.Frame.Width = 2
Legend.ShadowColor = clGray
Legend.ShadowSize = 4
Legend.TextStyle = ItsLeftPercent
Legend.TopPos = 59
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
Align = alClient
TabOrder = 0
<-----> object CheckBox3: TCheckBox
Left = 16
Top = 20
Width = 57
Height = 17
Caption = 'Circled'
Color = clYellow
ParentColor = False
TabOrder = 0
OnClick = CheckBox3Click
end
<-----> object Series19: TPieSeries
Marks.Arrow.Color = clBlack
Marks.ArrowLength = 8
Marks.BackColor = clBlack
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clWhite
Marks.Font.Height = -11
Marks.Font.Name = 'Arial'
Marks.Font.Style = []

AC.&P

1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.00000000000000000000
YValues.Order = loNone
end
<-----> object Series23:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clBlue
Title = 'Barcelona'
LinePen.Color = clBlue
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.00000000000000000000
YValues.Order = loNone
end
<-----> object Series24:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clWhite
Title = 'Montreal'
LinePen.Color = clWhite
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.00000000000000000000
YValues.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0

View3D = False
Align = alClient
TabOrder = 0
<-----> object Series20:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Title = 'New York'
LinePen.Color = clRed
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier =
1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.00000000000000000000
YValues.Order = loNone
end
<-----> object Series21:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
Title = 'Chicago'
LinePen.Color = clGreen
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.00000000000000000000
YValues.Order = loNone
end
<-----> object Series22:
TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clYellow
Title = 'Copenhagen'
LinePen.Color = clYellow
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =

EndYValues.Order = loNone
StartXValues.DateTime = False
StartXValues.Name = 'X'
StartXValues.Multiplier = 1.000000000000000000
StartXValues.Order = loAscending
StartYValues.DateTime = False
StartYValues.Name = 'Y'
StartYValues.Multiplier = 1.000000000000000000
StartYValues.Order = loNone
end
<-----> object Series27: TArrowSeries
Marks.ArrowLength = 0
Marks.Frame.Visible = False
Marks.Transparent = True
Marks.Visible = False
SeriesColor = clGreen
Pointer.InflateMargins = False
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
EndXValues.DateTime = True
EndXValues.Name = 'EndX'
EndXValues.Multiplier = 1.000000000000000000
EndXValues.Order = loNone
EndYValues.DateTime = False
EndYValues.Name = 'EndY'
EndYValues.Multiplier = 1.000000000000000000
EndYValues.Order = loNone
StartXValues.DateTime = True
StartXValues.Name = 'X'
StartXValues.Multiplier =

Caption = 'Arrow'
<-----> object Chart8: TChart
Left = 0
Top = 0
Width = 453
Height = 374
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = []
Title.Text.Strings = ('Weather in Japan')
Align = alClient
TabOrder = 0
<-----> object Series26: TArrowSeries
Marks.ArrowLength = 0
Marks.Frame.Visible = False
Marks.Transparent = True
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = False
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
EndXValues.DateTime = True
EndXValues.Name = 'EndX'
EndXValues.Multiplier = 1.000000000000000000
EndXValues.Order = loNone
EndYValues.DateTime = False
EndYValues.Name = 'EndY'
EndYValues.Multiplier = 1.000000000000000000

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1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.00000000000000000000
YValues.Order = loNone
RadiusValues.DateTime =
False
RadiusValues.Name = 'Radius'
RadiusValues.Multiplier =
1.00000000000000000000
RadiusValues.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Gantt'
<-----> object Chart10: TChart
Left = 0
Top = 0
Width = 453
Height = 374
BackWall.Brush.Color =
clWhite
BackWall.Brush.Style =
bsClear
Title.Text.Strings = (
'TChart')
Chart3DPercent = 5
Legend.Visible = False
Align = alClient
TabOrder = 0
<-----> object Series29:
TGanttSeries
ColorEachPoint = True
Marks.ArrowLength = 0
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'Start'
XValues.Multiplier =
1.00000000000000000000
XValues.Order = loAscending

1.00000000000000000000
StartXValues.Order =
loAscending
StartYValues.DateTime =
False
StartYValues.Name = 'Y'
StartYValues.Multiplier =
1.00000000000000000000
StartYValues.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Bubble'
<-----> object Chart9: TChart
Left = 0
Top = 0
Width = 453
Height = 374
BackWall.Brush.Color =
clWhite
BackWall.Brush.Style =
bsClear
Title.Text.Strings = (
'TChart')
Legend.Visible = False
Align = alClient
TabOrder = 0
<-----> object Series28:
TBubbleSeries
HorizAxis = aTopAxis
Marks.ArrowLength = 0
Marks.Frame.Visible = False
Marks.Transparent = True
Marks.Visible = True
SeriesColor = clRed
VertAxis = aRightAxis
OnGetMarkText =
Series28GetMarkText
Pointer.HorizSize = 20
Pointer.InflateMargins = False
Pointer.Style = psCircle
Pointer.VertSize = 20
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier =

Font.Color = clBlack
Font.Height = -11
Font.Name = 'Arial'
Font.Style = []
X0 = 20.000000000000000000
X1 = 100.000000000000000000
Y0 = 20.000000000000000000
Y1 = 100.000000000000000000
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
<-----> object Series31: TChartShape
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clWhite
Brush.Color = clYellow
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Arial'
Font.Style = []
Style = chasDiamond
X0 = 30.000000000000000000
X1 = 90.000000000000000000
Y0 = 30.500000000000000000
Y1 = 114.000000000000000000
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
<-----> object Series32: TChartShape

YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
StartValues.DateTime = True
StartValues.Name = 'Start'
StartValues.Multiplier = 1.000000000000000000
StartValues.Order = loAscending
EndValues.DateTime = False
EndValues.Name = 'End'
EndValues.Multiplier = 1.000000000000000000
EndValues.Order = loNone
NextTask.DateTime = False
NextTask.Name = 'NextTask'
NextTask.Multiplier = 1.000000000000000000
NextTask.Order = loNone
end
end
end
<-----> object TPage
Left = 0
Top = 0
Caption = 'Shapes'
<-----> object Chart11: TChart
Left = 0
Top = 0
Width = 453
Height = 374
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Title.Text.Strings = ('TChart')
Align = alClient
TabOrder = 0
<-----> object Series30: TChartShape
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clWhite
Brush.Color = clWhite
Font.Charset = DEFAULT_CHARSET

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ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 161
Top = 0
Width = 469
Height = 404
AnimatedZoom = True
AnimatedZoomSteps = 16
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = 8454016
BackWall.Pen.Color = clNavy
BackWall.Pen.Width = 2
BottomWall.Size = 6
Foot.Frame.Color = clScrollBar
LeftWall.Size = 4
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'We're testing that new
Pentium...'
'It seems has good health !!!')
BackColor = 8454016
BottomAxis.Grid.Color = 8388863
Frame.Color = clNavy
Frame.Width = 2
LeftAxis.Grid.Color = clSilver
Legend.Font.Charset =
DEFAULT_CHARSET
Legend.Font.Color = clBlack
Legend.Font.Height = -19
Legend.Font.Name = 'Arial'
Legend.Font.Style = [fsBold,
fsItalic]
Legend.LegendStyle =
lsLastValues
OnGetLegendText =
Chart1GetLegendText
Align = alClient
TabOrder = 0
<-----> object LineSeries1:
TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False

Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clWhite
Brush.Color = clAqua
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'Arial'
Font.Style = []
Style = chasTriangle
X0 = 30.000000000000000000
X1 = 90.000000000000000000
Y0 = 47.500000000000000000
Y1 = 102.000000000000000000
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
end
end
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 300
OnTimer = Timer1Timer
Left = 404
Top = 18
end
End
////////////////////////////////////
21
<-----> object DigitalForm:
TDigitalForm
Left = 196
Top = 113
Width = 638
Height = 438
Caption = 'TeeChart Digital Series
Example'
Color = clBtnFace

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Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
Stairs = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 107
Top = 86
end
<-----> object LineSeries4: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Title = 'I/O Timing'
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
Stairs = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 173
Top = 88
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 161
Height = 404
Align = alLeft
TabOrder = 1

SeriesColor = clBlue
Title = 'Pipeline Signal'
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
Stairs = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 175
Top = 130
end
<-----> object LineSeries2: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clYellow
Title = 'RAM Cycles'
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
Stairs = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 105
Top = 132
end
<-----> object LineSeries3: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
Title = 'PCI Status'

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Kind = bkClose
end
<-----> object CheckBox4:
TCheckBox
Left = 20
Top = 93
Width = 78
Height = 18
Caption = 'Z Order'
TabOrder = 4
OnClick = CheckBox4Click
end
<-----> object Memo1: TMemo
Left = 20
Top = 136
Width = 121
Height = 169
Lines.Strings = (
'Line Series can be used '
'as "step" Series by '
'setting '
'the Stairs property.'
"
'In this demo several '
'Line Series are '
'displayed '
'on same Z order.')
TabOrder = 5
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 1
OnTimer = Timer1Timer
Left = 170
Top = 10
end
End
//////////
22
<-----> object DrawForm:
TDrawForm
Left = 182
Top = 109
Width = 599
Height = 398
Caption = 'TeeChart Customized Drawing Example'

<-----> object CheckBox1:
TCheckBox
Left = 20
Top = 13
Width = 119
Height = 18
Caption = 'Animate !!!'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object CheckBox2:
TCheckBox
Left = 20
Top = 69
Width = 78
Height = 18
Caption = 'View 3D'
Checked = True
State = cbChecked
TabOrder = 1
OnClick = CheckBox2Click
end
<-----> object CheckBox3:
TCheckBox
Left = 20
Top = 45
Width = 126
Height = 18
Caption = 'Last Values in Legend'
Checked = True
State = cbChecked
TabOrder = 2
OnClick = CheckBox3Click
end
<-----> object BitBtn3: TBitBtn
Left = 32
Top = 351
Width = 89
Height = 33
TabOrder = 3

AC.&P

XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 199
Top = 122
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 145
Height = 364
Align = alLeft
TabOrder = 1
<-----> object BitBtn3: TBitBtn
Left = 24
Top = 312
Width = 89
Height = 33
TabOrder = 0
Kind = bkClose
end
<-----> object CheckBox1: TCheckBox
Left = 16
Top = 12
Width = 117
Height = 17
Caption = '&Animate !!!'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -19
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 1
OnClick = CheckBox1Click
end
<-----> object BitBtn1: TBitBtn
Left = 16

Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 145
Top = 0
Width = 446
Height = 364
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = clSilver
BottomWall.Color = 16777088
BottomWall.Size = 4
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
LeftWall.Color = 8454016
LeftWall.Size = 4
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
BackColor = clSilver
Chart3DPercent = 65
Legend.ColorWidth = 32
Align = alClient
Color = clWhite
TabOrder = 0
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clBlue
AfterDrawValues = LineSeries1AfterDrawValues
BeforeDrawValues = LineSeries1BeforeDrawValues
LinePen.Width = 3
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False

AC.&P

TFastLineForm
Left = 192
Top = 108
Width = 575
Height = 415
Caption = 'TeeChart Fast LineSeries Example'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 153
Top = 0
Width = 414
Height = 381
AnimatedZoom = True
AnimatedZoomSteps = 15
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Color = clBlue
BackWall.Pen.Visible = False
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Foot.Visible = False
MarginBottom = 1
MarginLeft = 1
MarginRight = 1
MarginTop = 1
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
Title.Visible = False
AxisVisible = False
BottomAxis.Grid.Color = 8421440
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clFuchsia
BottomAxis.LabelsFont.Height = -

Top = 40
Width = 89
Height = 33
Caption = '&Print !'
TabOrder = 2
OnClick = BitBtn1Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object CheckBox2: TCheckBox
Left = 16
Top = 84
Width = 57
Height = 17
Caption = '3D'
Checked = True
State = cbChecked
TabOrder = 3
OnClick = CheckBox2Click
end
<-----> object Memo1: TMemo
Left = 12
Top = 116
Width = 121
Height = 169
Lines.Strings = (
'Custom drawing using '
'the Chart Canvas '
'property is easy !'
"
'This demo shows how '
'custom drawings can be '
'printed too.')
TabOrder = 4
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 1
OnTimer = Timer1Timer
Left = 642
Top = 37
end
End
////////////////////////////////////
23
<-----> object FastLineForm:

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Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
VertAxis = aRightAxis
LinePen.Color = clRed
LinePen.Style = psDot
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 199
Top = 204
end
<-----> object FastLineSeries2: TFastLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
LinePen.Color = clGreen
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 237
Top = 206
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 153
Height = 381
Align = alLeft
TabOrder = 1
<-----> object Button1: TButton
Left = 13

13
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = []
BottomAxis.Ticks.Color = clLime
ClipPoints = False
Frame.Color = clBlue
Frame.Visible = False
LeftAxis.Grid.Color = clBlue
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clNavy
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = []
LeftAxis.Ticks.Color = clRed
Legend.Visible = False
RightAxis.Grid.Visible = False
RightAxis.LabelsFont.Charset = DEFAULT_CHARSET
RightAxis.LabelsFont.Color = clRed
RightAxis.LabelsFont.Height = - 13
RightAxis.LabelsFont.Name = 'Arial'
RightAxis.LabelsFont.Style = []
RightAxis.Ticks.Color = clBlue
TopAxis.Grid.Visible = False
TopAxis.LabelsFont.Charset = DEFAULT_CHARSET
TopAxis.LabelsFont.Color = clGreen
TopAxis.LabelsFont.Height = -13
TopAxis.LabelsFont.Name = 'Arial'
TopAxis.LabelsFont.Style = []
TopAxis.Ticks.Color = clYellow
View3D = False
Align = alClient
BevelOuter = bvNone
BevelWidth = 6
Color = clSilver
TabOrder = 0
<-----> object FastLineSeries1: TFastLineSeries
HorizAxis = aTopAxis

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Height = 33
TabOrder = 4
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 12
Top = 144
Width = 121
Height = 181
Lines.Strings = ('Use this demo to' 'benchmark your' 'video and system ' 'speed.' " 'Buffered display ' 'avoids flickering and ' 'can improve ' 'performance on modern ' 'hardware.' " 'FastLine Series are' 'faster than regular' 'Line Series.')
TabOrder = 5
end
end
End
////////////////////////////////
24
<-----> object FeaturesForm: TFeaturesForm
Left = 186
Top = 108
BorderIcons = [biSystemMenu]
BorderStyle = bsDialog
Caption = 'TeeChart Features. 100% Native VCL / CLX'
ClientHeight = 479
ClientWidth = 609
Color = clNavy
Font.Charset = DEFAULT_CHARSET
Font.Color = clWhite
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True

Top = 8
Width = 128
Height = 33
Caption = '&Speed Test !'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -16
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = Button1Click
end
<-----> object CheckBox1: TCheckBox
Left = 26
Top = 52
Width = 97
Height = 17
Caption = 'Buffered Display'
TabOrder = 1
OnClick = CheckBox1Click
end
<-----> object CheckBox2: TCheckBox
Left = 26
Top = 76
Width = 79
Height = 17
Caption = 'Draw &Axis'
TabOrder = 2
OnClick = CheckBox2Click
end
<-----> object CheckBox3: TCheckBox
Left = 26
Top = 100
Width = 75
Height = 17
Caption = '&Clip Points'
TabOrder = 3
OnClick = CheckBox3Click
end
<-----> object BitBtn3: TBitBtn
Left = 28
Top = 340
Width = 89

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Left = 104
Top = 76
Width = 109
Height = 16
HelpType = htKeyword
Caption = 'Animated Zoom'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label23: TLabel
Left = 104
Top = 111
Width = 146
Height = 16
HelpType = htKeyword
Caption = 'BackGround Bitmaps'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label24: TLabel
Left = 104
Top = 147
Width = 112
Height = 16
HelpType = htKeyword
Caption = 'Custom Drawing'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13

Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Label14: TLabel
Left = 16
Top = 457
Width = 300
Height = 13
HelpType = htKeyword
Caption = '© Copyright 1996-2001 by David Berneda. All Rights Reserved.'
Color = clNavy
Font.Charset = DEFAULT_CHARSET
Font.Color = clSilver
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentColor = False
ParentFont = False
end
<-----> object Panel2: TPanel
Left = 16
Top = 16
Width = 569
Height = 417
TabOrder = 20
<-----> object Label21: TLabel
Left = 104
Top = 40
Width = 140
Height = 16
HelpType = htKeyword
Caption = 'Custom Point Colors'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label22: TLabel

Caption = 'Overlaid Bars'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label28: TLabel
Left = 104
Top = 289
Width = 131
Height = 16
HelpType = htKeyword
Caption = 'Controlling Legend'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label29: TLabel
Left = 104
Top = 324
Width = 153
Height = 16
HelpType = htKeyword
Caption = 'Custom Axis Labelling'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True

Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label25: TLabel
Left = 104
Top = 182
Width = 108
Height = 16
HelpType = htKeyword
Caption = 'Custom Legend'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label26: TLabel
Left = 104
Top = 218
Width = 120
Height = 16
HelpType = htKeyword
Caption = 'Mini Small Charts'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label27: TLabel
Left = 104
Top = 253
Width = 109
Height = 16
HelpType = htKeyword

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Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label33: TLabel
Left = 384
Top = 111
Width = 77
Height = 16
HelpType = htKeyword
Caption = 'Scroll Bars'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label34: TLabel
Left = 384
Top = 147
Width = 94
Height = 16
HelpType = htKeyword
Caption = 'Digital Charts'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label35: TLabel
Left = 384
Top = 182
Width = 74

end
<-----> object Label30: TLabel
Left = 104
Top = 360
Width = 145
Height = 16
HelpType = htKeyword
Caption = 'Custom Axis Drawing'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label31: TLabel
Left = 384
Top = 40
Width = 117
Height = 16
HelpType = htKeyword
Caption = 'Custom Scrolling'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label32: TLabel
Left = 384
Top = 76
Width = 122
Height = 16
HelpType = htKeyword
Caption = 'TeeChart Shapes'
Color = clSilver
Font.Charset = DEFAULT_CHARSET

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Transparent = True
end
<-----> object Label38: TLabel
Left = 384
Top = 289
Width = 114
Height = 16
HelpType = htKeyword
Caption = 'Logarithmic Axis'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label39: TLabel
Left = 384
Top = 324
Width = 126
Height = 16
HelpType = htKeyword
Caption = 'Chart Auto-Paging'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label40: TLabel
Left = 384
Top = 360
Width = 117
Height = 16
HelpType = htKeyword
Caption = 'Metafiles *.WMF '
Color = clSilver
Font.Charset = DEFAULT_CHARSET

Height = 16
HelpType = htKeyword
Caption = 'Cross Hair'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label36: TLabel
Left = 384
Top = 218
Width = 133
Height = 16
HelpType = htKeyword
Caption = 'Keyboard Scrolling'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Label37: TLabel
Left = 384
Top = 253
Width = 108
Height = 16
HelpType = htKeyword
Caption = 'Custom Printing'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False

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end
<-----> object BitBtn9: TBitBtn
Left = 40
Top = 261
Width = 65
Height = 27
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 4
OnClick = BitBtn9Click
Glyph.Data = {
end
<-----> object BitBtn11: TBitBtn
Left = 312
Top = 332
Width = 65
Height = 27
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 5
OnClick = BitBtn11Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object BitBtn10: TBitBtn
Left = 312
Top = 261
Width = 65
Height = 27
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 6
OnClick = BitBtn10Click

Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
Transparent = True
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 569
Height = 17
Caption = 'Choose a feature !'
Color = clYellow
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
end
end
<-----> object BitBtn5: TBitBtn
Left = 40
Top = 190
Width = 65
Height = 27
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 0
OnClick = BitBtn5Click
Glyph.Data = {
0003333333333333F777333333333333
0003333333333333F777333333333333
00
0333333333FFF3F777333333700073B
703333333F7773F7773333330777770
0B3
NumGlyphs = 2

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TabOrder = 9
OnClick = BitBtn12Click
Glyph.Data = {
end
<-----> object BitBtn13: TBitBtn
Left = 40
Top = 297
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 10
OnClick = BitBtn13Click
Glyph.Data = {
77777000000}
end
<-----> object BitBtn14: TBitBtn
Left = 312
Top = 155
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 11
OnClick = BitBtn14Click
Glyph.Data = {
end
<-----> object BitBtn15: TBitBtn
Left = 312
Top = 368
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []

Glyph.Data = {
NumGlyphs = 2
end
<-----> object BitBtn2: TBitBtn
Left = 312
Top = 48
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 7
OnClick = BitBtn2Click
Glyph.Data = {
end
<-----> object BitBtn8: TBitBtn
Left = 312
Top = 84
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 8
OnClick = BitBtn8Click
Glyph.Data = {
77777777777777770000}
end
<-----> object BitBtn12: TBitBtn
Left = 40
Top = 332
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False

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Font.Style = []
ParentFont = False
TabOrder = 16
OnClick = BitBtn18Click
Glyph.Data = {
end
<-----> object BitBtn19: TBitBtn
Left = 312
Top = 190
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 17
OnClick = BitBtn19Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object BitBtn20: TBitBtn
Left = 312
Top = 226
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 18
OnClick = BitBtn20Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object BitBtn21: TBitBtn
Left = 312
Top = 297
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack

ParentFont = False
TabOrder = 13
OnClick = BitBtn15Click
Glyph.Data = {
end
<-----> object BitBtn16: TBitBtn
Left = 40
Top = 368
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 14
OnClick = BitBtn16Click
Glyph.Data = {
end
<-----> object BitBtn17: TBitBtn
Left = 40
Top = 48
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 15
OnClick = BitBtn17Click
Glyph.Data = {
88888888888888880000}
end
<-----> object BitBtn18: TBitBtn
Left = 312
Top = 119
Width = 65
Height = 27
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'

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Height = 377
AnimatedZoom = True
AnimatedZoomSteps = 4
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = clSilver
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Gradient.EndColor = clWhite
Gradient.StartColor = clYellow
Title.Alignment = taLeftJustify
Title.Brush.Color = 8454143
Title.Color = 8454143
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clRed
Title.Font.Height = -19
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clGreen
Title.Frame.Width = 4
Title.Text.Strings = ('Zoom by clicking Left Mouse button' 'and dragging bottom right.')
BackColor = clSilver
BottomAxis.Grid.Color = clScrollBar
Chart3DPercent = 46
LeftAxis.Grid.Color = clScrollBar
Legend.Visible = False
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar
View3D = False
Align = alClient
Color = clWhite
TabOrder = 0
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed

Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 19
OnClick = BitBtn21Click
Glyph.Data = { <-----> object BitBtn22: TBitBtn
Left = 492
Top = 440
Width = 95
Height = 31
Caption = 'Close'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 21
Kind = bkClose
end
End
////////////////////////////////////
25
<-----> object FormAnimatedZoom: TFormAnimatedZoom
Left = 197
Top = 113
Width = 619
Height = 411
ActiveControl = CheckBox1
Caption = 'TeeChart Animated Zoom Example'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 141
Top = 0
Width = 470

XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 244
Top = 100
end
<-----> object LineSeries4: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clBlue
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 276
Top = 100
end
<-----> object LineSeries5: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clWhite
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 312

Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 172
Top = 100
end
<-----> object LineSeries2: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 208
Top = 100
end
<-----> object LineSeries3: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clYellow
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000

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Checked = True
State = cbChecked
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object CheckBox2:
TCheckBox
Left = 15
Top = 12
Width = 42
Height = 17
Caption = '3&D'
TabOrder = 1
OnClick = CheckBox2Click
end
<-----> object SpinEdit1:
TSpinEdit
Left = 86
Top = 64
Width = 47
Height = 22
MaxValue = 1000
MinValue = 1
TabOrder = 2
Value = 1
OnChange = SpinEdit1Change
end
<-----> object BitBtn2: TBitBtn
Left = 26
Top = 140
Width = 89
Height = 33
Caption = 'Zoom OUT'
TabOrder = 3
OnClick = BitBtn2Click
Glyph.Data = {
end
<-----> object BitBtn3: TBitBtn
Left = 26
Top = 344
Width = 89
Height = 33
TabOrder = 5
OnClick = BitBtn2Click
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 12

Top = 100
end
<-----> object PointSeries1:
TPointSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGray
Pointer.Brush.Color = 4259584
Pointer.InflateMargins = True
Pointer.Style = psDiamond
Pointer.Visible = True
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier =
1.00000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.00000000000000000000
YValues.Order = loNone
Left = 348
Top = 100
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 141
Height = 377
Align = alLeft
TabOrder = 1
<-----> object Label1: TLabel
Left = 14
Top = 68
Width = 60
Height = 13
HelpType = htKeyword
Caption = 'Zoom &Steps:'
FocusControl = SpinEdit1
end
<-----> object CheckBox1:
TCheckBox
Left = 15
Top = 32
Width = 110
Height = 17
Caption = '&Animated Zoom !!!'

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LeftWall.Color = clWhite
Title.Alignment = taLeftJustify
Title.Brush.Color = clBlack
Title.Color = clBlack
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clYellow
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Frame.Color = clBlue
Title.Frame.Width = 4
Title.Frame.Visible = True
Title.Text.Strings = ('Average, High and Low.')
BottomAxis.Axis.Color = clRed
BottomAxis.DateTimeFormat = 'dd/MMM'
BottomAxis.Grid.Color = clBlack
BottomAxis.Grid.Style = psSolid
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clPurple
BottomAxis.LabelsFont.Height = - 11
BottomAxis.LabelsFont.Name = 'MS Sans Serif'
BottomAxis.LabelsFont.Style = []
BottomAxis.MinorTickCount = 0
BottomAxis.TickLength = 9
BottomAxis.Ticks.Color = clBlue
Chart3DPercent = 45
Frame.Width = 3
LeftAxis.Axis.Color = clBlue
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clRed
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = [fsBold]
Legend.ShadowColor = clGray
Legend.ShadowSize = 4
RightAxis.Automatic = False
RightAxis.AutomaticMaximum = False

Top = 192
Width = 121
Height = 129
Lines.Strings = ('Animated Zoom' 'can be activated' 'to better indentify' 'zoomed areas.' " 'Try to zoom using' 'the left mouse button,' 'with and without' 'Animated Zoom !')
TabOrder = 6
end
end
End
////////////////////
26
<-----> object HighLowForm: THighLowForm
Left = 191
Top = 110
Width = 616
Height = 440
Caption = 'TeeChart Statistics Demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 153
Top = 0
Width = 455
Height = 406
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Width = 3
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]

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Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
YValues.ValueSource = 'Y'
<-----> object
AverageSeriesAverage:
TAverageTeeFunction
end
end
<-----> object HighSeries:
TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
DataSource = BarSeries1
SeriesColor = clFuchsia
Title = 'High'
LinePen.Width = 2
Pointer.Brush.Color = 838863
Pointer.InflateMargins = False
Pointer.Pen.Color = clBlue
Pointer.Pen.Style = psDot
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
<-----> object HighSeriesHigh:
THighTeeFunction
end
end
<-----> object LowSeries:
TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False

RightAxis.AutomaticMinimum = False
RightAxis.Grid.Visible = False
RightAxis.LabelsFont.Charset = DEFAULT_CHARSET
RightAxis.LabelsFont.Color = clBlack
RightAxis.LabelsFont.Height = -19
RightAxis.LabelsFont.Name = 'Arial'
RightAxis.LabelsFont.Style = [fsBold, fsItalic]
OnAfterDraw = Chart1AfterDraw
Align = alClient
BevelInner = bvRaised
BevelOuter = bvLowered
BorderWidth = 25
Color = 16777088
TabOrder = 0
<-----> object BarSeries1:
TBarSeries
Marks.ArrowLength = 20
Marks.Visible = True
SeriesColor = clRed
BarStyle = bsPyramid
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 47
Top = 117
end
<-----> object AverageSeries:
TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
DataSource = BarSeries1
SeriesColor = clGreen
Title = 'Average'
LinePen.Width = 2
Pointer.InflateMargins = False
Pointer.Style = psRectangle

AC.&P

Left = 10
Top = 12
Width = 139
Height = 25
Caption = '&Animate !!!'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -21
Font.Name = 'Arial'
Font.Style = [fsBold, fsItalic]
ParentFont = False
TabOrder = 2
OnClick = CheckBox1Click
end
<-----> object CB3D: TCheckBox
Left = 12
Top = 44
Width = 49
Height = 17
Caption = '3D'
TabOrder = 3
OnClick = CB3DClick
end
<-----> object CheckBox2: TCheckBox
Left = 12
Top = 64
Width = 101
Height = 17
Caption = 'Two Bar Series'
TabOrder = 4
OnClick = CheckBox2Click
end
<-----> object CheckBox3: TCheckBox
Left = 12
Top = 84
Width = 97
Height = 17
Caption = 'Bar Visible'
Checked = True
State = cbChecked
TabOrder = 5
OnClick = CheckBox3Click
end
<-----> object Memo1: TMemo

DataSource = BarSeries1
SeriesColor = clBlue
Title = 'Low'
LinePen.Width = 2
Pointer.InflateMargins = False
Pointer.Style = psRectangle
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
<-----> object LowSeriesLow: TLowTeeFunction
end
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 153
Height = 406
Align = alLeft
TabOrder = 1
<-----> object BitBtn1: TBitBtn
Left = 25
Top = 300
Width = 89
Height = 33
Caption = '&Print'
TabOrder = 0
OnClick = BitBtn1Click
end
<-----> object BitBtn2: TBitBtn
Left = 26
Top = 344
Width = 89
Height = 33
TabOrder = 1
Kind = bkClose
end
<-----> object CheckBox1: TCheckBox

AC.&P

BackWall.Brush.Style = bsClear
Foot.Alignment = taRightJustify
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clYellow
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = (
'Left drag (Up/Down) to Zoom.
Right drag to Scroll. Invert Zoom r'
+
'ectangle to reset.')
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clWhite
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold]
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'This demo shows the Gantt
chart Type.'
'Each Point is a Horizontal Bar
that defines a Date Period.'
")
BottomAxis.LabelsAngle = 90
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clWhite
BottomAxis.LabelsFont.Height = - 12
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = []
BottomAxis.LabelStyle = taValue
BottomAxis.MinorTicks.Color = clWhite
BottomAxis.TickInnerLength = 4
BottomAxis.Ticks.Color = clLime
BottomAxis.TicksInner.Color = 8388863
BottomAxis.Title.Caption = 'Current Year'
BottomAxis.Title.Font.Charset = DEFAULT_CHARSET

Left = 12
Top = 124
Width = 121
Height = 161
Lines.Strings = (
'Statistical functions'
'can be applied to'
'existing Series.'
"
'This demo shows '
'Average, High and Low'
'functions on one or two'
'normal Bar Series.')
TabOrder = 6
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 100
OnTimer = Timer1Timer
Left = 224
Top = 6
end
End
////////////////////////////////////
27
<-----> object GanttForm:
TGanttForm
Left = 147
Top = 108
Width = 686
Height = 432
Caption = 'TeeChart Gantt Series
Demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 137
Top = 0
Width = 541
Height = 398
AllowPanning = pmHorizontal
BackWall.Brush.Color = clWhite

AC.&P

Marks.Visible = True
SeriesColor = clRed
OnClick = GanttSeries1Click
Pointer.Draw3D = False
Pointer.HorizSize = 83
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.VertSize = 10
Pointer.Visible = True
XValues.DateTime = True
XValues.Name = 'Start'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
ConnectingPen.Color = clRed
ConnectingPen.Width = 2
StartValues.DateTime = True
StartValues.Name = 'Start'
StartValues.Multiplier = 1.0000000000000000
StartValues.Order = loAscending
EndValues.DateTime = False
EndValues.Name = 'End'
EndValues.Multiplier = 1.0000000000000000
EndValues.Order = loNone
NextTask.DateTime = False
NextTask.Name = 'NextTask'
NextTask.Multiplier = 1.0000000000000000
NextTask.Order = loNone
end
end
<-----> object Panell1: TPanel
Left = 0
Top = 0
Width = 137
Height = 398
Align = alLeft
TabOrder = 1
<-----> object Label1: TLabel
Left = 15
Top = 11

BottomAxis.Title.Font.Color = clFuchsia
BottomAxis.Title.Font.Height = -19
BottomAxis.Title.Font.Name = 'Arial'
BottomAxis.Title.Font.Style = [fsItalic]
LeftAxis.Grid.Color = clLime
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clAqua
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = []
LeftAxis.LabelsSeparation = 3
LeftAxis.LabelStyle = talText
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clPurple
LeftAxis.Title.Font.Height = -16
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold, fsItalic]
Legend.Visible = False
View3D = False
OnGetNextAxisLabel = Chart1GetNextAxisLabel
Align = alClient
Color = 8421440
TabOrder = 0
OnMouseMove = Chart1MouseMove
<-----> object GanttSeries1: TGanttSeries
ColorEachPoint = True
Marks.ArrowLength = 0
Marks.BackColor = clWhite
Marks.Clip = True
Marks.Font.Charset = DEFAULT_CHARSET
Marks.Font.Color = clNavy
Marks.Font.Height = -11
Marks.Font.Name = 'Arial'
Marks.Font.Style = []
Marks.Frame.Color = clRed

AC.&P

'Gantt Series '
'are made of points'
'with Start and End'
'coordinates.'
"
'This example shows'
'how to get mouse '
'position and how'
'to customize bottom'
'axis labels.')
TabOrder = 1
end
end
End
////////////////////
28
<-----> object KeyboardForm: TKeyboardForm
Left = 190
Top = 116
Width = 667
Height = 389
ActiveControl = Chart1
Caption = 'TeeChart Keyboard Scrolling Example'
Color = clBtnFace
ParentFont = True
KeyPreview = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
OnKeyDown = FormKeyDown
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 157
Top = 0
Width = 502
Height = 355
AnimatedZoom = True
AnimatedZoomSteps = 3
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Color = clWhite
BottomWall.Color = 8454016
BottomWall.Size = 16
Foot.Font.Charset = DEFAULT_CHARSET

Width = 62
Height = 24
HelpType = htKeyword
Caption = 'Label1'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -20
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object Shape1: TShape
Left = 24
Top = 84
Width = 77
Height = 29
HelpType = htKeyword
end
<-----> object Label2: TLabel
Left = 15
Top = 39
Width = 62
Height = 24
HelpType = htKeyword
Caption = 'Label1'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlue
Font.Height = -20
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
end
<-----> object BitBtn3: TBitBtn
Left = 24
Top = 304
Width = 89
Height = 33
TabOrder = 0
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 8
Top = 128
Width = 121
Height = 161
Lines.Strings = (

AC.&P

Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 199
Top = 121
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 157
Height = 355
Align = alLeft
TabOrder = 1
<-----> object BitBtn1: TBitBtn
Left = 37
Top = 284
Width = 89
Height = 33
TabOrder = 0
Kind = bkClose
end
<-----> object InvertScroll: TCheckBox
Left = 21
Top = 12
Width = 128
Height = 17
Caption = '&Inverted Scrolling'
TabOrder = 1
OnClick = InvertScrollClick
end
<-----> object CheckLimits: TCheckBox
Left = 21

Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = ('The Form.OnKeyDown event does the job. See source code.')
LeftWall.Size = 16
Title.AdjustFrame = False
Title.Brush.Color = 8453888
Title.Color = 8453888
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlack
Title.Font.Height = -12
Title.Font.Name = 'Arial'
Title.Font.Style = []
Title.Frame.Color = 8388863
Title.Frame.Width = 3
Title.Frame.Visible = True
Title.Text.Strings = ('This example shows how to handle keyboard events to scroll TChar' + 't contents.'
 'Use the keyboard arrow keys and page up / page down keys to scr' + 'oll.'
'Press SPACE to reset. Press SHIFT and arrow keys to ZOOM.')
BackColor = clWhite
BottomAxis.Grid.Color = clScrollBar
Chart3DPercent = 20
LeftAxis.Grid.Color = clScrollBar
Legend.Visible = False
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar
Align = alClient
Color = 16777088
TabOrder = 0
TabStop = True
<-----> object LineSeries1: TLineSeries

AC.&P

OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 16
<-----> object Label14: TLabel
Left = 17
Top = 393
Width = 300
Height = 13
HelpType = htKeyword
Caption = '© Copyright 1996-2001 by David Berneda. All Rights Reserved.'
Color = clNavy
Font.Charset = DEFAULT_CHARSET
Font.Color = clSilver
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentColor = False
ParentFont = False
end
<-----> object GroupBox1: TGroupBox
Left = 16
Top = 8
Width = 553
Height = 233
Color = clSilver
Ctl3D = True
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentCtl3D = False
ParentFont = False
TabOrder = 0
<-----> object Label1: TLabel
Left = 51
Top = 36
Width = 134
Height = 16
HelpType = htKeyword
Alignment = taRightJustify
Caption =

Top = 32
Width = 97
Height = 17
Caption = 'Check &Limits'
TabOrder = 2
OnClick = CheckLimitsClick
end
<-----> object Memo1: TMemo
Left = 20
Top = 76
Width = 121
Height = 161
Lines.Strings = ('Scrolling and zooming' 'can also be done using' 'the keyboard.' " 'This example shows ' 'how to scroll and zoom' 'a Chart using the Form' 'OnKeyDown event.' ")
TabOrder = 3
end
end
End
////////
29
<-----> object SeriesForm: TSeriesForm
Left = 190
Top = 108
BorderIcons = [biSystemMenu]
BorderStyle = bsDialog
Caption = 'TeeChart Component Library Demo. Series types.'
ClientHeight = 414
ClientWidth = 585
Color = clNavy
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'Arial'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
Scaled = False

AC.&P

Left = 136
Top = 155
Width = 48
Height = 16
HelpType = htKeyword
Alignment = taRightJustify
Caption = 'Arrows'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
end
<-----> object Label5: TLabel
Left = 112
Top = 194
Width = 69
Height = 16
HelpType = htKeyword
Alignment = taRightJustify
Caption = 'Statistical'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
end
<-----> object Label6: TLabel
Left = 384
Top = 135
Width = 50
Height = 16
HelpType = htKeyword
Caption = '&Bubble'
end
<-----> object Label7: TLabel
Left = 384
Top = 93
Width = 37
Height = 16

'&Line,Point,Area,Bar'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
end
<-----> object Label2: TLabel
Left = 156
Top = 76
Width = 24
Height = 16
HelpType = htKeyword
Alignment = taRightJustify
Caption = '&Pie'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
end
<-----> object Label3: TLabel
Left = 88
Top = 115
Width = 94
Height = 16
HelpType = htKeyword
Alignment = taRightJustify
Caption = 'Stacked Bars'
Color = clSilver
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
end
<-----> object Label4: TLabel

AC.&P

OnClick = BitBtn5Click
Glyph.Data = {
end
<-----> object BitBtn6: TBitBtn
Left = 309
Top = 126
Width = 57
Height = 33
Font.Charset =
DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
OnClick = BitBtn6Click
Glyph.Data = {
end
<-----> object BitBtn7: TBitBtn
Left = 309
Top = 84
Width = 57
Height = 33
Font.Charset =
DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 3
OnClick = BitBtn7Click
Glyph.Data = {
end
<-----> object BStacked: TBitBtn
Left = 200
Top = 105
Width = 57
Height = 33
Font.Charset =
DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 4

HelpType = htKeyword
Caption = '&Gantt'
end
<-----> object Label8: TLabel
Left = 384
Top = 52
Width = 64
Height = 16
HelpType = htKeyword
Caption = '&Fast Line'
end
<-----> object Label9: TLabel
Left = 384
Top = 176
Width = 103
Height = 16
HelpType = htKeyword
Caption = 'Stacked Areas'
end
<-----> object BitBtn4: TBitBtn
Left = 200
Top = 27
Width = 57
Height = 33
Font.Charset =
DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 0
OnClick = BitBtn4Click
Glyph.Data = {
end
<-----> object BitBtn5: TBitBtn
Left = 200
Top = 66
Width = 57
Height = 33
Font.Charset =
DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 1

AC.&P

Font.Style = []
ParentFont = False
TabOrder = 7
OnClick = BStackedAreasClick
Glyph.Data = {
end
<-----> object BitBtn21: TBitBtn
Left = 201
Top = 183
Width = 56
Height = 35
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 8
OnClick = BitBtn21Click
Glyph.Data = {
NumGlyphs = 2
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 553
Height = 17
Caption = 'Standard Chart Types'
Color = clYellow
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 9
end
end
<-----> object GroupBox3: TGroupBox
Left = 16
Top = 255
Width = 553
Height = 114
Color = clSilver

OnClick = BStackedClick
Glyph.Data = {
end
<-----> object BFastLine: TBitBtn
Left = 309
Top = 43
Width = 57
Height = 33
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 5
OnClick = BFastLineClick
Glyph.Data = {
end
<-----> object BArrowSeries: TBitBtn
Left = 200
Top = 144
Width = 57
Height = 33
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 6
OnClick = BArrowSeriesClick
Glyph.Data = {
end
<-----> object BStackedAreas: TBitBtn
Left = 309
Top = 167
Width = 57
Height = 33
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'

AC.&P

Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 0
OnClick = BitBtn9Click
Glyph.Data = { end
<-----> object BitBtn10: TBitBtn
Left = 200
Top = 68
Width = 57
Height = 33
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 1
OnClick = BitBtn10Click
Glyph.Data = { end
<-----> object BitBtn11: TBitBtn
Left = 309
Top = 24
Width = 57
Height = 33
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
OnClick = BitBtn11Click
Glyph.Data = { end
<-----> object BitBtn14: TBitBtn
Left = 309
Top = 68
Width = 57
Height = 33

Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentColor = False
ParentFont = False
TabOrder = 1
<-----> object Label10: TLabel
Left = 82
Top = 36
Width = 103
Height = 16
HelpType = htKeyword
Alignment = taRightJustify
Caption = 'P&ie from Table'
end
<-----> object Label11: TLabel
Left = 74
Top = 76
Width = 111
Height = 16
HelpType = htKeyword
Alignment = taRightJustify
Caption = '&SQL Query Bars'
end
<-----> object Label12: TLabel
Left = 384
Top = 34
Width = 100
Height = 16
HelpType = htKeyword
Caption = 'Lin&ked Tables'
end
<-----> object Label13: TLabel
Left = 384
Top = 74
Width = 132
Height = 16
HelpType = htKeyword
Caption = 'Horizontal DB Bars'
end
<-----> object BitBtn9: TBitBtn
Left = 200
Top = 24
Width = 57
Height = 33

AC.&P

TMiniForm
Left = 187
Top = 113
Width = 192
Height = 136
Hint = 'Please Resize Me !!!'
Caption = 'Mini-Tee-Charts. Enjoy !!!'
Color = clBtnFace
Font.Charset = DEFAULT_CHARSET
Font.Color = clWindowText
Font.Height = -14
Font.Name = 'System'
Font.Style = []
OldCreateOrder = True
ShowHint = True
OnCreate = FormCreate
OnResize = FormResize
PixelsPerInch = 96
TextHeight = 16
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 97
Height = 102
Align = alLeft
TabOrder = 0
<-----> object Chart1: TChart
Left = 1
Top = 57
Width = 95
Height = 44
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
MarginBottom = 0
MarginLeft = 0
MarginRight = 0
MarginTop = 0
Title.Frame.Color = clScrollBar

Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -16
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 3
OnClick = BitBtn14Click
Glyph.Data = { end
<-----> object Panel2: TPanel
Left = 0
Top = 0
Width = 553
Height = 17
Caption = 'Database Charts'
Color = clYellow
Font.Charset = DEFAULT_CHARSET
Font.Color = clNavy
Font.Height = -13
Font.Name = 'MS Sans Serif'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 4
end
end
<-----> object BitBtn1: TBitBtn
Left = 472
Top = 376
Width = 97
Height = 33
Caption = ' &Close'
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
ParentFont = False
TabOrder = 2
Kind = bkClose
end
End
////////////////////////////////////
30
<-----> object MiniForm:

AC.&P

XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 58
Top = 75
end
end
<-----> object Chart2: TChart
Left = 1
Top = 1
Width = 95
Height = 56
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
MarginBottom = 0
MarginLeft = 0
MarginRight = 0
MarginTop = 0
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
Title.Visible = False
BottomAxis.Visible = False
Chart3DPercent = 25
Frame.Visible = False
LeftAxis.Visible = False
Legend.Visible = False
RightAxis.Visible = False
TopAxis.Visible = False
View3D = False
View3DWalls = False
Align = alTop
TabOrder = 1
<-----> object BarSeries1: TBarSeries
ColorEachPoint = True
Marks.ArrowLength = 20

Title.Text.Strings = ('TChart Component')
Title.Visible = False
BottomAxis.Visible = False
Chart3DPercent = 30
Frame.Visible = False
LeftAxis.Visible = False
Legend.Visible = False
RightAxis.Visible = False
TopAxis.Visible = False
View3DWalls = False
Align = alClient
TabOrder = 0
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 15
Top = 74
end
<-----> object LineSeries2: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
AfterDrawValues = LineSeries2AfterDrawValues
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000

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Title.Text.Strings = ('TChart Component')
Title.Visible = False
Axis.Visible = False
BottomAxis.Visible = False
ClipPoints = False
Frame.Visible = False
LeftAxis.Visible = False
Legend.Visible = False
RightAxis.Visible = False
TopAxis.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
Align = alTop
TabOrder = 0
<-----> object PieSeries1: TPieSeries
Marks.ArrowLength = 8
Marks.Style = smsLabelPercent
Marks.Visible = False
SeriesColor = clRed
Circled = True
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Y'
PieValues.Multiplier = 1.0000000000000000
PieValues.Order = loNone
Left = 134
Top = 13
end
end
<-----> object Chart4: TChart
Left = 1
Top = 57
Width = 85
Height = 44
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12

Marks.Visible = False
SeriesColor = clRed
BarPen.Visible = False
Dark3D = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 34
Top = 13
end
end
end
<-----> object Panel2: TPanel
Left = 97
Top = 0
Width = 87
Height = 102
Align = alClient
TabOrder = 1
<-----> object Chart3: TChart
Left = 1
Top = 1
Width = 85
Height = 56
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
MarginBottom = 0
MarginLeft = 0
MarginRight = 0
MarginTop = 0
Title.Frame.Color = clScrollBar

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SeriesColor = clGreen
AfterDrawValues =
LineSeries3AfterDrawValues
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
Left = 164
Top = 79
end
end
end
<-----> object Timer1: TTimer
Interval = 1
OnTimer = Timer1Timer
Left = 84
Top = 43
end
End
//////////
31
<-----> object LinkedTablesForm: TLinkedTablesForm
Left = 185
Top = 113
Width = 604
Height = 457
Caption = 'TeeChart Linked Tables Demo'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter

Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
MarginBottom = 0
MarginLeft = 0
MarginRight = 0
MarginTop = 0
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'TChart Component')
Title.Visible = False
BottomAxis.Visible = False
Frame.Visible = False
LeftAxis.Visible = False
Legend.Visible = False
RightAxis.Visible = False
TopAxis.Visible = False
View3D = False
View3DWalls = False
Align = alClient
TabOrder = 1
<-----> object AreaSeries1: TAreaSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
AreaLinesPen.Visible = False
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
Left = 111
Top = 77
end
<-----> object LineSeries3: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False

AC.&P

Legend.Font.Color = clYellow
Legend.Font.Height = -16
Legend.Font.Name = 'Arial'
Legend.Font.Style = [fsBold, fsItalic]
Legend.Frame.Color = clWhite
Legend.Frame.Width = 4
Legend.TextStyle = ItsRightValue
Legend.TopPos = 5
RightAxis.LabelsFont.Charset = DEFAULT_CHARSET
RightAxis.LabelsFont.Color = clRed
RightAxis.LabelsFont.Height = -15
RightAxis.LabelsFont.Name = 'Arial'
RightAxis.LabelsFont.Style = [fsItalic]
RightAxis.TickLength = 12
RightAxis.Ticks.Color = clWhite
RightAxis.Ticks.Width = 2
Align = alClient
TabOrder = 0
<-----> object AreaSeries1: TAreaSeries
ColorEachPoint = True
Marks.ArrowLength = 8
Marks.Visible = False
DataSource = Table2
SeriesColor = clRed
VertAxis = aRightAxis
XLabelsSource = 'SaleDate'
DrawArea = True
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
YValues.ValueSource = 'AmountPaid'

PixelsPerInch = 96
TextHeight = 13
<-----> object DBChart1: TDBChart
Left = 0
Top = 241
Width = 596
Height = 157
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Color = clAqua
BackWall.Pen.Style = psDashDot
Foot.Alignment = taRightJustify
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clBlue
Foot.Font.Height = -15
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsBold]
Foot.Frame.Color = clScrollBar
Foot.Visible = False
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clFuchsia
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('Linked Tables Chart Demo')
BottomAxis.LabelsAngle = 90
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clGreen
BottomAxis.LabelsFont.Height = -13
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = [fsBold]
BottomAxis.LabelStyle = taText
Chart3DPercent = 35
Frame.Color = clAqua
Frame.Style = psDashDot
Legend.Color = clBlue
Legend.ColorWidth = 13
Legend.Font.Charset = DEFAULT_CHARSET

AC.&P

Left = 12
Top = 11
Width = 232
Height = 26
DataSource = DataSource1
VisibleButtons = [nbFirst, nbPrior, nbNext, nbLast]
TabOrder = 0
end
<-----> object BitBtn1: TBitBtn
Left = 286
Top = 8
Width = 95
Height = 33
Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -15
Font.Name = 'Arial'
Font.Style = []
ParentFont = False
TabOrder = 1
Kind = bkClose
end
end
<-----> object DBGrid2: TDBGrid
Left = 0
Top = 129
Width = 596
Height = 112
Align = alTop
DataSource = DataSource2
TabOrder = 4
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
<-----> object DataSource1: TDataSource
DataSet = Table1
OnDataChange = DataSource1DataChange
Left = 339
Top = 204
end

Left = 40
Top = 258
end
end
<-----> object DBGrid1: TDBGrid
Left = 0
Top = 48
Width = 596
Height = 81
Align = alTop
DataSource = DataSource1
Options = [dgTitles, dgIndicator, dgColumnResize, dgCollLines, dgRowLines, dgTabs, dgRowSelect, dgAlwaysShowSelection, dgConfirmDelete, dgCancelOnExit]
TabOrder = 1
TitleFont.Charset = DEFAULT_CHARSET
TitleFont.Color = clBlack
TitleFont.Height = -11
TitleFont.Name = 'MS Sans Serif'
TitleFont.Style = []
end
<-----> object Panel1: TPanel
Left = 0
Top = 398
Width = 596
Height = 25
Align = alBottom
Alignment = taLeftJustify
Font.Charset = DEFAULT_CHARSET
Font.Color = clRed
Font.Height = -13
Font.Name = 'Arial'
Font.Style = [fsItalic]
ParentFont = False
TabOrder = 2
end
<-----> object Panel2: TPanel
Left = 0
Top = 0
Width = 596
Height = 48
Align = alTop
TabOrder = 3
<-----> object DBNavigator1: TDBNavigator

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FieldName = 'CustNo'
Required = True
Visible = False
end
<-----> object Table2SaleDate:
TDateTimeField
FieldName = 'SaleDate'
end
<-----> object
Table2AmountPaid:
TCurrencyField
FieldName = 'AmountPaid'
end
end
<-----> object DataSource2:
TDataSource
DataSet = Table2
Left = 336
Top = 150
end
End
////////////////////
32
<-----> object PieForm: TPieForm
Left = 178
Top = 104
Width = 642
Height = 421
Caption = 'TeeChart Pie Series Demo'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 137
Top = 0
Width = 497
Height = 387
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Foot.Alignment = taLeftJustify

<-----> object Table1: TTable
Active = True
DatabaseName = 'DBDEMOS'
TableName = 'CUSTOMER.DB'
Left = 268
Top = 203
<-----> object Table1CustNo:
TFloatField
DisplayWidth = 12
FieldName = 'CustNo'
end
<-----> object Table1Company:
TStringField
DisplayWidth = 29
FieldName = 'Company'
Size = 30
end
<-----> object Table1City:
TStringField
DisplayWidth = 18
FieldName = 'City'
Size = 15
end
<-----> object Table1State:
TStringField
DisplayWidth = 7
FieldName = 'State'
end
<-----> object Table1Country:
TStringField
DisplayWidth = 14
FieldName = 'Country'
end
end
<-----> object Table2: TTable
Active = True
DatabaseName = 'DBDEMOS'
IndexFieldNames = 'CustNo'
MasterFields = 'CustNo'
MasterSource = DataSource1
TableName = 'ORDERS.DB'
Left = 268
Top = 151
<-----> object Table2OrderNo:
TFloatField
FieldName = 'OrderNo'
end
<-----> object Table2CustNo:
TFloatField

[fsItalic]
ClipPoints = False
Frame.Visible = False
LeftAxis.Grid.Color = clScrollBar
LeftAxis.LabelsFont.Charset = DEFAULT_CHARSET
LeftAxis.LabelsFont.Color = clWhite
LeftAxis.LabelsFont.Height = -13
LeftAxis.LabelsFont.Name = 'Arial'
LeftAxis.LabelsFont.Style = []
LeftAxis.Title.Caption = 'Stock Price'
LeftAxis.Title.Font.Charset = DEFAULT_CHARSET
LeftAxis.Title.Font.Color = clNavy
LeftAxis.Title.Font.Height = -15
LeftAxis.Title.Font.Name = 'Arial'
LeftAxis.Title.Font.Style = [fsBold]
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
Align = alClient
Color = clSilver
TabOrder = 0
OnMouseMove = Chart1MouseMove
<-----> object PieSeries1: TPieSeries
Cursor = 2020
Marks.ArrowLength = 8
Marks.Style = smsLabelPercent
Marks.Visible = True
SeriesColor = clRed
OnClick = PieSeries1Click
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Y'
PieValues.Multiplier = 1.0000000000000000

Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Foot.Text.Strings = (
')
Gradient.Direction = gdBottomTop
Gradient.EndColor = 8454016
Gradient.StartColor = 8454143
Gradient.Visible = True
Title.AdjustFrame = False
Title.Alignment = taRightJustify
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clBlue
Title.Font.Height = -16
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'Pie Chart Series Demo.')
AxisVisible = False
BottomAxis.Grid.Color = clScrollBar
BottomAxis.LabelsAngle = 90
BottomAxis.LabelsFont.Charset = DEFAULT_CHARSET
BottomAxis.LabelsFont.Color = clTeal
BottomAxis.LabelsFont.Height = -12
BottomAxis.LabelsFont.Name = 'Arial'
BottomAxis.LabelsFont.Style = []
BottomAxis.Title.Caption = 'Stock Market Date'
BottomAxis.Title.Font.Charset = DEFAULT_CHARSET
BottomAxis.Title.Font.Color = clGreen
BottomAxis.Title.Font.Height = -16
BottomAxis.Title.Font.Name = 'Arial'
BottomAxis.Title.Font.Style =

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Width = 109
Height = 101
Caption = 'Legend Position:'
ItemIndex = 1
Items.Strings = (
'Left'
'Right'
'Top'
'Bottom')
TabOrder = 5
OnClick = RadioGroup1Click
end
<-----> object RadioGroup2:
TRadioGroup
Left = 12
Top = 80
Width = 109
Height = 156
Caption = 'Effects:'
TabOrder = 8
end
<-----> object CheckBox2:
TCheckBox
Left = 20
Top = 104
Width = 41
Height = 17
Caption = '&3D'
Checked = True
State = cbChecked
TabOrder = 1
OnClick = CheckBox2Click
end
<-----> object CheckBox3:
TCheckBox
Left = 20
Top = 130
Width = 61
Height = 17
Caption = '&Circled'
TabOrder = 2
OnClick = CheckBox3Click
end
<-----> object CheckBox4:
TCheckBox
Left = 20
Top = 156
Width = 97

PieValues.Order = loNone
Left = 78
Top = 94
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 137
Height = 387
Align = alLeft
TabOrder = 1
<-----> object Shape1: TShape
Left = 14
Top = 40
Width = 107
Height = 33
HelpType = htKeyword
end
<-----> object CheckBox1:
TCheckBox
Left = 15
Top = 6
Width = 105
Height = 29
Caption = '&Animate !!!'
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -17
Font.Name = 'Arial'
Font.Style = [fsBold]
ParentFont = False
TabOrder = 0
OnClick = CheckBox1Click
end
<-----> object BitBtn3: TBitBtn
Left = 20
Top = 352
Width = 89
Height = 29
TabOrder = 3
Kind = bkClose
end
<-----> object RadioGroup1:
TRadioGroup
Left = 12
Top = 244

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Scroll Example'
Color = clBtnFace
Font.Charset =
DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 0
Top = 53
Width = 574
Height = 323
BackImageInside = True
BackImageMode = pbmTile
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset =
DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'TChart Component')
BottomAxis.Grid.Color =
clScrollBar
LeftAxis.Grid.Color = clScrollBar
RightAxis.Grid.Color =
clScrollBar
TopAxis.Grid.Color = clScrollBar
Align = alClient
TabOrder = 0
<-----> object LineSeries1:
TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
OnAfterAdd =
LineSeries1AfterAdd
Pointer.InflateMargins = True

Height = 17
Caption = 'Use &Patterns'
TabOrder = 4
OnClick = CheckBox4Click
end
<-----> object CheckBox5:
TCheckBox
Left = 20
Top = 182
Width = 61
Height = 17
Caption = '&Marks'
Checked = True
State = cbChecked
TabOrder = 6
OnClick = CheckBox5Click
end
<-----> object CheckBox6:
TCheckBox
Left = 20
Top = 208
Width = 65
Height = 17
Caption = '&Gradient'
Checked = True
State = cbChecked
TabOrder = 7
OnClick = CheckBox6Click
end
end
<-----> object Timer1: TTimer
Enabled = False
Interval = 1
OnTimer = Timer1Timer
Left = 114
Top = 294
end
End
////////////////////////////////////
33
<-----> object ScrollForm:
TScrollForm
Left = 191
Top = 113
Width = 582
Height = 410
ActiveControl = Button1
Caption = 'TeeChart - Automatic

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TabOrder = 2
OnClick = CBVerticalClick
end
end
End
////////////////////////////////////
34
<-----> object LegendForm:
TLegendForm
Left = 186
Top = 115
Width = 543
Height = 385
Caption = 'TeeChart Customized Legend Example'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object PaintBox1:
TPaintBox
Left = 0
Top = 0
Width = 535
Height = 52
HelpType = htKeyword
Align = alTop
end
<-----> object Label1: TLabel
Left = 8
Top = 4
Width = 123
Height = 13
HelpType = htKeyword
Caption = 'The Chart Legend is here:'
end
<-----> object Chart1: TChart
Left = 153
Top = 52
Width = 382
Height = 299
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Frame.Color = clScrollBar

Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 119
Top = 94
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 574
Height = 53
Align = alTop
TabOrder = 1
<-----> object Button1: TButton
Left = 191
Top = 9
Width = 250
Height = 33
Caption = 'Click here to add a new point and scroll !!!'
TabOrder = 0
OnClick = Button1Click
end
<-----> object BitBtn3: TBitBtn
Left = 8
Top = 12
Width = 89
Height = 33
TabOrder = 1
Kind = bkClose
end
<-----> object CBVertical: TCheckBox
Left = 110
Top = 18
Width = 71
Height = 17
Caption = '&Vertical'

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Top = 108
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 52
Width = 153
Height = 299
Align = alLeft
TabOrder = 1
<-----> object BitBtn3: TBitBtn
Left = 30
Top = 224
Width = 89
Height = 33
TabOrder = 0
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 16
Top = 24
Width = 121
Height = 161
Lines.Strings = ('Chart Legends can' 'be customized using' 'any Delphi component.' " 'Here a TPaintBox is ' 'used to display' 'Series Titles.' ")
TabOrder = 1
end
end
End
//////////////////////////////////// ////
36
<-----> object OverBarForm: TOverBarForm
Left = 187
Top = 107
Width = 598
Height = 397
Caption = 'TeeChart Overlaid Bars Example'
Color = clBtnFace

Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
Title.Visible = False
Legend.Visible = False
Align = alClient
TabOrder = 0
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 63
Top = 110
end
<-----> object LineSeries2: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clGreen
AfterDrawValues = LineSeries2AfterDrawValues
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.0000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.0000000000000000
YValues.Order = loNone
Left = 129

<-----> object BarSeries3: TBarSeries
Cursor = crUpArrow
Marks.ArrowLength = 20
Marks.Visible = False
SeriesColor = clBlue
OnClick = BarSeries3Click
BarWidthPercent = 80
MultiBar = mbNone
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 24
Top = 36
end
<-----> object BarSeries2: TBarSeries
Cursor = crUpArrow
Marks.ArrowLength = 20
Marks.Visible = False
SeriesColor = clRed
OnClick = BarSeries2Click
BarWidthPercent = 60
MultiBar = mbNone
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 199
Top = 122
end
<-----> object BarSeries1: TBarSeries
Cursor = crUpArrow
Marks.ArrowLength = 20
Marks.Visible = False

Font.Charset = DEFAULT_CHARSET
Font.Color = clBlack
Font.Height = -11
Font.Name = 'MS Sans Serif'
Font.Style = []
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 149
Top = 0
Width = 441
Height = 363
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
MarginTop = 2
Title.Brush.Color = 8421440
Title.Color = 8421440
Title.Font.Charset = DEFAULT_CHARSET
Title.Font.Color = clAqua
Title.Font.Height = -19
Title.Font.Name = 'Arial'
Title.Font.Style = [fsBold, fsItalic]
Title.Frame.Color = clBlue
Title.Frame.Width = 4
Title.Text.Strings = ('Overlaid Bar Series Example')
BottomAxis.Grid.Color = clScrollBar
LeftAxis.Grid.Color = clScrollBar
Legend.Alignment = laLeft
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar
View3D = False
Align = alClient
TabOrder = 0

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'OffsetPercent and'
'BarWidthPercent'
'properties of '
'TBarSeries to create'
'overlayed bars.'
"
'Bars can be displayed'
'using pattern brushes.'
")
TabOrder = 0
end
<-----> object BitBtn3: TBitBtn
Left = 28
Top = 316
Width = 89
Height = 33
Caption = 'Close'
TabOrder = 1
Kind = bkClose
end
<-----> object SpinEdit1:
TSpinEdit
Left = 75
Top = 18
Width = 50
Height = 22
Increment = 5
MaxValue = 100
MinValue = 1
TabOrder = 2
Value = 60
OnChange = SpinEdit1Change
end
<-----> object SpinEdit2:
TSpinEdit
Left = 75
Top = 46
Width = 50
Height = 22
Increment = 5
MaxValue = 100
MinValue = -100
TabOrder = 3
Value = 0
OnChange = SpinEdit2Change
end
<-----> object CBPatterns:
TCheckBox

SeriesColor = clLime
OnClick = BarSeries1Click
BarWidthPercent = 40
MultiBar = mbNone
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
Left = 127
Top = 46
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 149
Height = 363
Align = alLeft
TabOrder = 1
<-----> object Label1: TLabel
Left = 15
Top = 22
Width = 48
Height = 13
HelpType = htKeyword
Caption = 'Overlay %:'
end
<-----> object Label2: TLabel
Left = 23
Top = 46
Width = 40
Height = 13
HelpType = htKeyword
Caption = 'Offset %:'
end
<-----> object Memo1: TMemo
Left = 16
Top = 136
Width = 121
Height = 161
Lines.Strings = (
'This demo uses the'

AC.&P

Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
Title.Frame.Color = clScrollBar
Title.Text.Strings = (
'TChart Component')
BottomAxis.Grid.Color =
clScrollBar
Chart3DPercent = 60
LeftAxis.Grid.Color = clScrollBar
LeftAxis.Grid.Width = 0
RightAxis.Grid.Color =
clScrollBar
TopAxis.Grid.Color = clScrollBar
TabOrder = 0
<-----> object LineSeries1:
TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier =
1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier =
1.000000000000000000
YValues.Order = loNone
Left = 147
Top = 118
end
end
<-----> object BitBtn1: TBitBtn
Left = 38
Top = 310
Width = 119
Height = 33
Caption = 'PRINT ALL !!'
TabOrder = 1
OnClick = BitBtn1Click
Glyph.Data = {
76010000424D7601000000000000760
0000028000000200000001000000001

Left = 19
Top = 82
Width = 90
Height = 17
Caption = 'Use Patterns'
TabOrder = 4
OnClick = CBPatternsClick
end
end
End
////////////////////////////////////
37
<-----> object PrintForm:
TPrintForm
Left = 201
Top = 108
BorderStyle = bsDialog
Caption = 'TeeChart Printing
Demo'
ClientHeight = 349
ClientWidth = 299
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
Scaled = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Label1: TLabel
Left = 9
Top = 4
Width = 72
Height = 13
HelpType = htKeyword
Caption = 'Enter text here:'
end
<-----> object Chart1: TChart
Left = 5
Top = 55
Width = 284
Height = 250
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset =
DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12

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Width = 280
Height = 21
TabOrder = 2
Text = 'Hello World !'
end
<-----> object BitBtn2: TBitBtn
Left = 201
Top = 311
Width = 89
Height = 33
TabOrder = 3
Kind = bkClose
end
End
////////////////////////////////////
38
////////////////////////////////////
<-----> object LegendXYForm: TLegendXYForm
Left = 200
Top = 110
Width = 569
Height = 370
Caption = 'TeeChart Example. Customizing Legend Size and Position'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart
Left = 141
Top = 0
Width = 420
Height = 336
AllowPanning = pmNone
AllowZoom = False
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
BackWall.Pen.Visible = False
Foot.Frame.Color = clScrollBar
Title.Frame.Color = clScrollBar
Title.Text.Strings = (

00
04000000000000010000120B0000120
B00001000000000000000000000000
00
8000008000000080800080000000800
08000808000007F7F7F00BF0BF00
0000
FF0000FF000000FFFF00FF000000F
F00FF00FFFF0000FFFFFFF0030000
0000000
000337777777777777777777777777773088888888888
888807F3333333333333337088888888888
88
88807FFFFFFFFFFFFFFFF700000000
000000007777777777777777777777770F8F8F
8F8F8F
8F807F3333333333333333F708F8F8F8F8
F8F9F07F3333333333337370F8F8F8
F8F8F
8F807FFFFFFFFFFFFFFFF700000000
000000007777777777777777777777773330FF
FFFFFF
03333337F3FFF3F7F333330F0000
F0F03333337F77773737F333330FFF
FFFF
03333337F3FF3FFF7F333330F00F0
00003333337F773777773333330FFF
F0FF0
33333337F3F37F3733333330F08F0F
0333333337F7337F7333333330FFFF
0033
33333337FFFF773333333330000003
33333333377777773333333}
NumGlyphs = 2
end
<-----> object Edit1: TEdit
Left = 9
Top = 23

'Default'
'Customized')
TabOrder = 0
OnClick = RadioGroup1Click
end
<-----> object BitBtn3: TBitBtn
Left = 25
Top = 272
Width = 89
Height = 33
TabOrder = 1
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 8
Top = 88
Width = 121
Height = 161
Lines.Strings = ('Using the ' 'OnGetLegendPos and' 'OnGetLegendRect' 'events is possible' 'to customize the Chart' 'Legend position and' 'Legend items positions.')
TabOrder = 2
end
end
End
////////////////////////////////////
39
<-----> object ScrollBarForm: TScrollBarForm
Left = 196
Top = 108
Width = 565
Height = 331
Caption = 'TeeChart Scroll Bars Example'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
Scaled = False
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13

'TChart Component')
OnGetLegendPos = Chart1GetLegendPos
OnGetLegendRect = Chart1GetLegendRect
AxisVisible = False
ClipPoints = False
Frame.Visible = False
View3DOptions.Elevation = 315
View3DOptions.Orthogonal = False
View3DOptions.Perspective = 0
View3DOptions.Rotation = 360
View3DWalls = False
Align = alClient
TabOrder = 0
<-----> object PieSeries1: TPieSeries
Marks.ArrowLength = 8
Marks.Style = smsPercent
Marks.Visible = True
SeriesColor = clRed
OtherSlice.Text = 'Other'
PieValues.DateTime = False
PieValues.Name = 'Y'
PieValues.Multiplier = 1.0000000000000000
PieValues.Order = loNone
Left = 287
Top = 2
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 141
Height = 336
Align = alLeft
TabOrder = 1
<-----> object RadioGroup1: TRadioGroup
Left = 14
Top = 12
Width = 103
Height = 61
Caption = 'Legend Drawing'
ItemIndex = 1
Items.Strings = ('TChart Component')

AC.&P

Top = 266
Width = 523
Height = 19
PageSize = 0
TabOrder = 1
OnChange = ScrollBar1Change
end
<-----> object LineSeries1: TLineSeries
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
Pointer.InflateMargins = True
Pointer.Style = psRectangle
Pointer.Visible = False
XValues.DateTime = True
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
Left = 199
Top = 121
end
end
End
////////////////////////////////////
40
<-----> object LogLabelsForm: TLogLabelsForm
Left = 199
Top = 108
Width = 631
Height = 411
Caption = 'Logarithmic Labels example'
Color = clBtnFace
ParentFont = True
OldCreateOrder = True
Position = poScreenCenter
OnCreate = FormCreate
PixelsPerInch = 96
TextHeight = 13
<-----> object Chart1: TChart

<-----> object Chart1: TChart
Left = 0
Top = 0
Width = 557
Height = 297
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Foot.Font.Charset = DEFAULT_CHARSET
Foot.Font.Color = clRed
Foot.Font.Height = -12
Foot.Font.Name = 'Arial'
Foot.Font.Style = [fsItalic]
Foot.Frame.Color = clScrollBar
MarginBottom = 18
MarginRight = 18
Title.Frame.Color = clScrollBar
Title.Text.Strings = ('TChart Component')
OnScroll = Chart1Scroll
OnUndoZoom = Chart1UndoZoom
OnZoom = Chart1Zoom
BottomAxis.Grid.Color = clScrollBar
LeftAxis.Grid.Color = clScrollBar
Legend.Visible = False
RightAxis.Grid.Color = clScrollBar
TopAxis.Grid.Color = clScrollBar
View3D = False
Align = alClient
TabOrder = 0
OnResize = Chart1Resize
<-----> object ScrollBar2: TScrollBar
Left = 517
Top = 10
Width = 19
Height = 255
Kind = sbVertical
PageSize = 0
TabOrder = 0
OnChange = ScrollBar2Change
end
<-----> object ScrollBar1: TScrollBar
Left = 13

TabOrder = 0
Kind = bkClose
end
<-----> object Memo1: TMemo
Left = 12
Top = 72
Width = 121
Height = 149
Lines.Strings = ('Logarithmic Axis' 'can draw labels in' 'decades using the' 'OnGetNextAxisLabel' 'and OnGetAxisLabel' 'events.' " ")
TabOrder = 1
end
end
End

Left = 153
Top = 0
Width = 470
Height = 377
BackWall.Brush.Color = clWhite
BackWall.Brush.Style = bsClear
Gradient.Direction = gdLeftRight
Gradient.Visible = True
Title.Text.Strings = ('TChart')
BottomAxis.Logarithmic = True
LeftAxis.Logarithmic = True
View3D = False
Align = alClient
TabOrder = 0
<-----> object Series1: TFastLineSeries
ColorEachPoint = True
Marks.ArrowLength = 8
Marks.Visible = False
SeriesColor = clRed
LinePen.Color = clRed
LinePen.Width = 2
XValues.DateTime = False
XValues.Name = 'X'
XValues.Multiplier = 1.000000000000000000
XValues.Order = loAscending
YValues.DateTime = False
YValues.Name = 'Y'
YValues.Multiplier = 1.000000000000000000
YValues.Order = loNone
end
end
<-----> object Panel1: TPanel
Left = 0
Top = 0
Width = 153
Height = 377
Align = alLeft
TabOrder = 1
<-----> object BitBtn2: TBitBtn
Left = 26
Top = 260
Width = 89
Height = 33
Caption = 'Close'

الملف التنفيذي لبرنامج
(TeeChart)
إعداد
علاء الدين اللباد
هاتف ٠٩٤٤٥٧٥٣٧١
برنامج يتعلق بالرسوم البيانية والإحصائية يحتوي العديد من الميزات الرائعة في برنامج دلفي ٧ وهو موجود كمثل باسم ضمن البرنامج نفسه ويمكن الاستفادة من جميع الميزات الموجودة فيه قام بتحليل وشرح البرنامج علاء الدين اللباد ٠٩٤٤٥٧٥٣٧١
الملف التنفيذي للبرنامج ويحتوي على ٥٤٢ إجراء
ProcedureS 542
وجميعها معلمة بالسهم
<----->
{ ***** *****}
{ TeeChart Delphi Component

AC.&P

PieSeries7.Rotate(5);
PieSeries9.Rotate(5);
Series1.Rotate(355);
PieSeries8.Rotate(355);
With Chart9.View3DOptions do
begin
Zoom:=Zoom-DeltaZoom;
if (Zoom<60) or (Zoom>110) then
DeltaZoom:=-DeltaZoom;
end;
With PieSeries8 do
begin
tmp:=Random(Count);
if ExplodedSlice[tmp]>20 then
ExplodedSlice[tmp]:=ExplodedSlice[
tmp]-1
else
ExplodedSlice[tmp]:=ExplodedSlice[
tmp]+1;
end;
end;
<-----> procedure
T TeeMainForm.Button1Click(Sende
r: TObject);
begin
Close;
end;
<-----> procedure
T TeeMainForm.Timer2Timer(Send
er: TObject);
var tmpX:Double;
begin
With FastLineSeries1 do
begin
tmpX:=XValues[1]-XValues[0];
Delete(0);
AddXY(XValues.Last+tmpX,Rando
m(100),'',clTeeColor);
end;
With FastLineSeries2 do
begin
tmpX:=XValues[1]-XValues[0];
Delete(0);

implementation
{SR *.dfm}
Uses TeeAbout, TeeBasic, Features,
UDemoCha, Specs, ShellAPI;
<-----> procedure
T TeeMainForm.ShowForm(FormCl
ass: TFormClass);
begin
Timer1.Enabled:=False;
Timer2.Enabled:=False;
With FormClass.Create(Self) do
try
ShowModal;
finally
Free;
end;
Timer2.Enabled:=True;
Timer1.Enabled:=True;
end;
<-----> procedure
T TeeMainForm.FormCreate(Sender
: TObject);
begin
TeeEraseBack:=False;
PieSeries6.FillSampleValues(5);
PieSeries9.FillSampleValues(5);
PieSeries7.FillSampleValues(5);
Series1.FillSampleValues(5);
PieSeries8.CheckDataSource;
FastLineSeries1.FillSampleValues(2
0);
FastLineSeries2.FillSampleValues(2
0);
DeltaZoom:=5;
end;
<-----> procedure
T TeeMainForm.Timer1Timer(Send
er: TObject);
var tmp:Integer;
begin
PieSeries6.Rotate(5);

AC.&P

```
ShowForm(TChartSpecs);
end;

<-----> procedure
T TeeMainForm.Button6Click(Sender: T Object);
begin
ShowForm(TSeriesForm);
end;

<-----> procedure
T TeeMainForm.Label3Click(Sender: T Object);
Var St:Array[0..255] of char;
begin
Timer1.Enabled:=False;
Timer2.Enabled:=False;

ShellExecute(0,'open',StrPCopy(St,'
http://'+Label3.Caption+

'/products/teechart/delphi6'),nil,nil,S
W_SHOW);
end;

end.

////////////////////////////////////

program Teedemo;

uses
Forms,
teemain in 'teemain.PAS'
{TeeMainForm},
Teebasic in 'teebasic.PAS'
{DemoForm},
Features in 'features.pas'
{FeaturesForm},
Udemocha in 'UDemoCha.pas'
{SeriesForm},
Basic in 'basic.pas' {BasicForm},
Bubble in 'bubble.pas'
{BubbleForm},
Gantt in 'Gantt.pas' {GanttForm},
Lastvalu in 'Lastvalu.pas'
{DigitalForm},
Linked in 'Linked.pas'
{LinkedTablesForm},
```

```
AddXY(XValues.Last+tmpX,Rando
m(100),'',clTeeColor);
end;
end;

<-----> procedure
T TeeMainForm.Button2Click(Sender: T Object);
begin
ShowForm(TDemoForm);
end;

<-----> procedure
T TeeMainForm.Chart2MouseUp(Se
nder: T Object; Button:
T MouseButton;
Shift: TShiftState; X, Y: Integer);
begin
Label10Click(Self);
end;

<-----> procedure
T TeeMainForm.Chart2MouseDown
(Sender: T Object;
Button: T MouseButton; Shift:
TShiftState; X, Y: Integer);
begin
Chart2.BevelOuter:=bvLowered;
end;

<-----> procedure
T TeeMainForm.Label10Click(Sende
r: T Object);
begin
ShowForm(TTeeAboutForm);
Chart2.BevelOuter:=bvRaised;
end;

<-----> procedure
T TeeMainForm.Button3Click(Sende
r: T Object);
begin
ShowForm(TFeaturesForm);
end;

<-----> procedure
T TeeMainForm.Button4Click(Sende
r: T Object);
begin
```

Ushapes in 'Ushapes.pas' {ShapesForm},	LogLab in 'loglab.pas' {LogLabelsForm},
Ustack in 'Ustack.pas' {StackedForm},	Mulaxis in 'mulaxis.pas' {CustomAxisForm},
Uylegend in 'Uylegend.pas' {LegendXYForm};	Pie in 'Pie.pas' {PieForm},
	Specs in 'Specs.pas' {ChartSpecs},
{SR *.RES}	Sqlbars in 'Sqlbars.pas' {SQLBarsForm},
	Stackare in 'stackare.pas' {AreasForm},
begin	Tablepie in 'Tablepie.pas' {TablePieForm},
Application.Initialize;	Unizoom in 'Unizoom.pas' {FormAnimatedZoom},
Application.CreateForm(TTeeMain Form, TeeMainForm);	Uarrows in 'uarrows.pas' {ArrowsForm},
Application.Run;	Uaxislab in 'Uaxislab.pas' {AxisLabelsForm},
end.	UBitmap in 'Ubitmap.pas' {BitmapForm},
	ucolor in 'ucolor.pas' {ColoredForm},
////////////////////////////////////	Ucrossh in 'ucrossh.pas' {CrossHairForm},
{***** *****}	Udbhoriz in 'Udbhoriz.pas' {DBHorizBarForm},
{ TeeChart Delphi Component Library }	udemutil in 'Udemutil.pas',
{ Areas Demo }	Udraw in 'Udraw.pas' {DrawForm},
{ Copyright (c) 1995-2001 by David Berneda }	UFast in 'Ufast.pas' {FastLineForm},
{ All rights reserved }	UHighLo in 'uhighlo.pas' {HighLowForm},
{***** *****}	Ukeyboa in 'ukeyboa.pas' {KeyboardForm},
unit stackare;	Ulegend in 'Ulegend.pas' {LegendForm},
	Umain in 'Umain.pas' {MiniForm},
interface	UMetafil in 'umetafil.pas' {MetafileForm},
{ This form shows 3 TAreaSeries components on same Chart.	Uoverbar in 'Uoverbar.pas' {OverBarForm},
Areas can be Stacked or Stacked 100%	Upages in 'Upages.pas' {PagesForm},
}	Uprint in 'Uprint.pas' {PrintForm},
uses	Uscroll in 'Uscroll.pas' {ScrollForm},
SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,	Uscrollb in 'Uscrollb.pas' {ScrollBarForm},
Forms, Dialogs, StdCtrls, Teengine, Series, Buttons, Chart, ExtCtrls,	
TeeProcs	
;	
type	
TAreasForm = class(TForm)	
Panel1: TPanel;	

With Area do	RadioGroup1: TRadioGroup;
begin	Chart1: TChart;
XValues.DateTime:=False;	BitBtn1: TBitBtn;
Clear;	AreaSeries1: TAreaSeries;
Old:=500+Random(1000);	AreaSeries2: TAreaSeries;
for t:=1 to 30 do	AreaSeries3: TAreaSeries;
begin	CheckBox1: TCheckBox;
Old:=Old+Random(50)-25;	Label1: TLabel;
Add(Old,',clTeeColor);	CheckBox2: TCheckBox;
end;	Timer1: TTimer;
Cursor:=crTeeHand;	<-----> procedure
end;	FormCreate(Sender: TObject);
end;	<-----> procedure
begin	RadioGroup1Click(Sender:
tmpCounter:=-1;	TObject);
tmpSeries:=nil;	<-----> procedure
CreateRandom(AreaSeries1);	CheckBox1Click(Sender: TObject);
CreateRandom(AreaSeries2);	<-----> procedure
CreateRandom(AreaSeries3);	Chart1MouseMove(Sender:
end;	TObject; Shift: TShiftState; X,
<-----> procedure	Y: Integer);
TAreasForm.RadioGroup1Click(Se	<-----> procedure
nder: TObject);	CheckBox2Click(Sender: TObject);
begin	<-----> procedure
{ Change how areas are displayed.	Timer1Timer(Sender: TObject);
(Stacked, Stacked 100%) }	private
AreaSeries1.MultiArea:=TMultiAre	{ Private declarations }
a(RadioGroup1.ItemIndex);	public
end;	{ Public declarations }
<-----> procedure	tmpDelta,tmpCounter,tmpIndex:Lo
TAreasForm.CheckBox1Click(Send	ngint;
er: TObject);	tmpSeries:TAreaSeries;
begin	end;
Chart1.View3D:=CheckBox1.Check	implementation
ed; { <-- turn on/off 3d }	{SR *.dfm}
end;	{ Some random values.... }
<-----> procedure	<-----> procedure
TAreasForm.Chart1MouseMove(Se	TAreasForm.FormCreate(Sender:
nder: TObject; Shift: TShiftState;	TObject);
X, Y: Integer);	<-----> procedure
<-----> procedure	CreateRandom(Area:TAreaSeries);
HitSeries(ASeries:TChartSeries);	var t:Longint;
	Old:Double;
	begin

```

With tmpSeries.GetVertAxis do
tmpDelta:=Round(Abs(Maximum-
Minimum)/50.0);
  if Random(2)=1 then tmpDelta:=-
tmpDelta;
  end;
  inc(tmpCounter);

tmp:=tmpSeries.YValue[tmpIndex];
  if (tmp+tmpDelta)>0 then
tmpSeries.YValue[tmpIndex]:=tmp+
tmpDelta;
  end;
end;

end.
////////////////////////////////////
3
{*****
*****}
{ TeeChart Delphi Component
Library      }
{ TArrowSeries Example
}
{ Copyright (c) 1995-2001 by David
Berneda     }
{ All rights reserved
}
{*****
*****}
unit uarrows;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, Teeengine, Series,
  ArrowCha, Chart, StdCtrls,
  ExtCtrls,
  Buttons, TeeProcs;

type
  TArrowsForm = class(TForm)
    Panel1: TPanel;
    CheckBox1: TCheckBox;
    Chart1: TChart;
    ArrowSeries1: TArrowSeries;
    Timer1: TTimer;

```

```

Var tmp:Longint;
begin
  tmp:=ASeries.Clicked(x,y);
  if tmp<>-1 then
  begin
    Label1.Caption:=ASeries.Name;

    Label1.Font.Color:=ASeries.SeriesC
olor;
  end;
end;

var t:Longint;
begin
  Label1.Caption:='';
  for t:=0 to Chart1.SeriesCount-1 do
HitSeries(Chart1.Series[t]);

  Label1.Visible:=Label1.Caption<>'';
end;

<-----> procedure
TAreasForm.CheckBox2Click(Sender: TObject);
begin
  Timer1.Enabled:=CheckBox2.Check
ed;
  if Timer1.Enabled then
RadioGroup1.ItemIndex:=1;
end;

<-----> procedure
TAreasForm.Timer1Timer(Sender:
TObject);
var tmp:Double;
begin
  if (tmpCounter=-1) or
(tmpCounter=5) then
  begin
    Case Random(3) of
      0: tmpSeries:=AreaSeries1;
      1: tmpSeries:=AreaSeries2;
      2: tmpSeries:=AreaSeries3;
    end;

    tmpIndex:=Random(tmpSeries.Cou
nt);
    tmpCounter:=0;

```

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x1:=Random(300) - 150.0;
if x1<50 then x1:=50;
x1:=x1+x0;
y1:=Random(300) - 150.0;
if y1<50 then y1:=50;
y1:=y1+y0;
AddArrow(x0,y0,x1,y1, "
clTeeColor);
end;
end;
end;
<-----> procedure
TArrowsForm.CheckBox1Click(Sen
der: TObject);
begin
Timer1.Enabled:=CheckBox1.Check
ed;
end;
<-----> procedure
TArrowsForm.Timer1Timer(Sender
: TObject);
var t:Longint;
begin
Timer1.Enabled:=False;
With ArrowSeries1 do
Begin
for t:=0 to Count-1 do
Begin
StartXValues[t]:=StartXValues[t]+R
andom(100)-50.0;
StartYValues[t]:=StartYValues[t]+R
andom(100)-50.0;
EndXValues[t]
:=EndXValues[t]+Random(100)-
50.0;
EndYValues[t]
:=EndYValues[t]+Random(100)-
50.0;
End;
Repaint;
End;
Timer1.Enabled:=True;

BitBtn3: TBitBtn;
Memor1: TMemor1;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
CheckBox1Click(Sender: TObject);
<-----> procedure
Timer1Timer(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
<-----> procedure
AddRandomArrows;
end;
implementation
{SR *.dfm}
<-----> procedure
TArrowsForm.FormCreate(Sender:
TObject);
begin
With ArrowSeries1 do
Begin
ArrowWidth:=32;
ArrowHeight:=24;
ColorEachPoint:=True;
XValues.DateTime:=False;
YValues.DateTime:=False;
AddRandomArrows;
end;
end;
<-----> procedure
TArrowsForm.AddRandomArrows;
var x0,y0,x1,y1:Double;
t:Longint;
begin
With ArrowSeries1 do
Begin
Clear;
for t:=1 to 40 do
begin
x0:=Random(1000);
y0:=Random(1000);

any Font size adjustment.	end;
TeeChart Axis will draw all labels you specify.	
}	end.
uses	////////////////////////////////////
SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,	4
Forms, Dialogs, Chart, Series, ExtCtrls, StdCtrls, Teengine, Buttons,	{***** *****}
TeeProcs;	{ TeeChart. TChart Component }
	{ Copyright (c) 1995-2001 by David Berneda }
type	{ All Rights Reserved }
TAxisLabelsForm = class(TForm)	{***** *****}
Chart1: TChart;	unit uaxislab;
LineSeries1: TLineSeries;	
Panel1: TPanel;	interface
RadioGroup1: TRadioGroup;	
PointSeries1: TPointSeries;	{ This Sample Project shows how to set the Axis Labels at specific Axis positions.
BitBtn3: TBitBtn;	The key is the Chart.OnGetNextAxisLabel event.
Memo1: TMemo;	This event is called continuously for each Axis Label until user decides to stop.
<-----> procedure FormCreate(Sender: TObject);	At each call, you can specify the exact Axis value where a Label must be drawn.
<-----> procedure RadioGroup1Click(Sender: TObject);	
<-----> procedure Chart1GetNextAxisLabel(Sender: TChartAxis;	In this example, this event is used to set the BottomAxis labels to the first (1) day in month: 1/1/96, 2/1/96, 3/1/96..... 12/1/96
LabelIndex: Longint; var LabelValue: Double; var Stop: Boolean);	
private	This don't needs necessarily to be datetime values.
{ Private declarations }	You can also set the Axis Labels in non-datetime axis.
public	
{ Public declarations }	WARNING:
DefaultLabels: Boolean;	Remember to set the Stop boolean variable to TRUE when no more labels are needed.
end;	Remember also that using this event will NOT calculate Label used space or
implementation	
{ \$R *.dfm }	
<-----> procedure TAxisLabelsForm.FormCreate(Sender: TObject);	
var t: Longint;	
begin	

Chart1.BottomAxis.Increment := DateTimeStep[dtOneMonth];	DefaultLabels:=False; { <-- boolean variable to show or not the demo }
and...	
Chart1.BottomAxis.ExactDateTime := True ;	LineSeries1.Clear;
Eliminates the need for the following code.	PointSeries1.Clear;
}	for t:=1 to 100 do
{	Begin
***** }	LineSeries1.AddXY(Date+t, 200+Random(700),"clTeeColor); { <-- some random points }
{ LabelValue has the "candidate" value where the Axis label will be painted. }	PointSeries1.AddXY(Date+t, 200+Random(700),"clTeeColor);
DecodeDate(LabelValue,year,month, day);	end;
{ we force that value to be the first day in month }	end;
Day:=1;	<-----> procedure
Month:=Month+1;	TAxisLabelsForm.RadioGroup1Click(Sender: TObject);
if Month>12 then	begin
Begin	{ Choose between default and custom labeling. }
Month:=1;	DefaultLabels:=RadioGroup1.ItemIndex=0;
Year:=Year+1;	Chart1.Repaint; { <-- repaint chart to see changes }
end;	end;
{ Then we set the preferred Label value }	<-----> procedure
LabelValue:=EncodeDate(year,month,day);	TAxisLabelsForm.Chart1GetNextAxisLabel(Sender: TChartAxis;
end	LabelIndex: Longint; var
else	LabelValue: Double; var Stop: Boolean);
if Sender=Chart1.LeftAxis then	var year,month,day: Word;
Begin	begin
{ In this example, we want the Vertical Left Axis to show labels only for positive values, starting at zero and with 250 label increment.	if not DefaultLabels then
}	Begin
if LabelValue>=250 then	if Sender=Chart1.BottomAxis then
LabelValue:=LabelValue+250	Begin
else LabelValue:=250;	{
	***** }
	{ WARNING:
	Setting this axis increment:

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Writing: TPointSeries;	End;
Reading: TPointSeries;	{ we want more labels !! }
BitBtn1: TBitBtn;	Stop:=False;
RadioGroup1: TRadioGroup;	end;
BitBtn3: TBitBtn;	end;
CheckBox2: TCheckBox;	
SaveDialog1: TSaveDialog;	
BitBtn2: TBitBtn;	end.
Winter: TLineSeries;	////////////////////////////////////
Summer: TLineSeries;	5
<-----> procedure FormCreate(Sender: TObject);	{***** *****}
<-----> procedure CheckBox1Click(Sender: TObject);	{ TeeChart Delphi Component Library }
<-----> procedure Timer1Timer(Sender: TObject);	{ Basic Series Types Demo }
<-----> procedure FormResize(Sender: TObject);	{ Copyright (c) 1995-2001 by David Berneda }
<-----> procedure FormShow(Sender: TObject);	{ All rights reserved }
<-----> procedure BitBtn1Click(Sender: TObject);	{***** *****}
<-----> procedure CheckBox2Click(Sender: TObject);	unit basic;
<-----> procedure BitBtn2Click(Sender: TObject);	
private	interface
{ Private declarations }	
public	uses
{ Public declarations }	SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,
end;	Forms, Dialogs, Chart, Series, ExtCtrls, StdCtrls, Bubble, BubbleCh, Teengine, Buttons, teeprocs;
implementation	
{SR *.dfm}	type
Uses Printers;	TBasicForm = class(TForm)
<-----> procedure TBasicForm.FormCreate(Sender: TObject);	Chart1: TChart;
var t:Longint;	Panel1: TPanel;
begin	CheckBox1: TCheckBox;
Summer.FillSampleValues(20); { <- - Some random points }	Timer1: TTimer;
Winter.FillSampleValues(20); { <-- Some random points }	BarSeries1: TBarSeries;
	South: TAreaSeries;
{ Will need a Bar Series with	Speaking: TPointSeries;
	Panel2: TPanel;
	Chart2: TChart;
	Label1: TLabel;
	Chart3: TChart;
	Chart4: TChart;
	North: TAreaSeries;

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<code>'';clTeeColor);</code>
<code>end;</code>
<code>end;</code>
<code>Var tmpLabel:String;</code>
<code>tmpColor:TColor;</code>
<code>begin</code>
<code>Animate(Summer);</code>
<code>Animate(Winter);</code>
<code>{ BarSeries1 has special treatment to animate }</code>
<code>With BarSeries1 do</code>
<code>Begin</code>
<code>tmpLabel:=XLabel[0];</code>
<code>tmpColor:=ValueColor[0];</code>
<code>Delete(0);</code>
<code>AddXY(XValues.Last+1,Random(1000),tmpLabel,tmpColor);</code>
<code>{ Change Bar Style randomly... }</code>
<code>if Random(10)<1 then</code>
<code>BarStyle:=TBarStyle(Random(1+Ord(High(TBarStyle))));</code>
<code>end;</code>
<code>Animate(South);</code>
<code>Animate(North);</code>
<code>Animate(Speaking);</code>
<code>Animate(Reading);</code>
<code>Animate(Writing);</code>
<code>{ Change Pointer Style randomly... }</code>
<code>if Random(10)<1 then</code>
<code>With Speaking do</code>
<code>Pointer.Style:=TSeriesPointerStyle(Random(1+Ord(High(TSeriesPointerStyle))));</code>
<code>end;</code>
<code>{ Realign the four charts }</code>
<code><-----> procedure</code>
<code>TBasicForm.FormResize(Sender: TObject);</code>
<code>Var w,h:Longint;</code>
<code>begin</code>
<code>{ Top and bottom Panel positioning</code>

<code>special random values,</code>
<code>so we dont call the standard FillSampleValues method }</code>
<code>With BarSeries1 do</code>
<code>for t:=1 to 12 do</code>
<code>Add(Random(1000),ShortMonthNames[t],GetDefaultColor(t));</code>
<code>South.FillSampleValues(20); { <-- Some random points }</code>
<code>North.FillSampleValues(20); { <-- Some random points }</code>
<code>Speaking.FillSampleValues(20); { <-- Some random points }</code>
<code>Reading.FillSampleValues(20); { <-- Some random points }</code>
<code>Writing.FillSampleValues(20); { <-- Some random points }</code>
<code>{ Force to resize the four charts }</code>
<code>FormResize(Self);</code>
<code>end;</code>
<code><-----> procedure</code>
<code>TBasicForm.CheckBox1Click(Sender: TObject);</code>
<code>begin</code>
<code>Timer1.Enabled:=CheckBox1.Checked;</code>
<code>end;</code>
<code><-----> procedure</code>
<code>TBasicForm.Timer1Timer(Sender: TObject);</code>
<code><-----> procedure</code>
<code>Animate(Series:TChartSeries);</code>
<code>Begin</code>
<code>With Series do</code>
<code>Begin</code>
<code>Delete(0); { <-- remove the first point }</code>
<code>{ Add a new random point }</code>
<code>AddXY(XValues.Last+1,</code>
<code>YValues.Last+(Random(ChartSamplesMax)-(ChartSamplesMax/2)),</code>

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```

{ <-- Force Horizontal paper }
try
Printer.BeginDoc; { <-- start
printer job }
try
Printer.Title:='TeeChart
Printing Demo';

Case RadioGroup1.ItemIndex of
0: Begin { screen proportional }
Chart1.PrintResolution:= 0;
Chart2.PrintResolution:= 0;
Chart3.PrintResolution:= 0;
Chart4.PrintResolution:= 0;
End;
1: Begin { thin lines and small
fonts }
Chart1.PrintResolution:= -
100;
Chart2.PrintResolution:= -
100;
Chart3.PrintResolution:= -
100;
Chart4.PrintResolution:= -
100;
End;
end;

{ Print the four charts, each one
at a different paper position }

{ CALCULATE HORIZONTAL
MARGIN }
tmpW:=Printer.PageWidth;
tmpWMargin:=Round(5.0*tmpW/10
0.0); { <-- 5% margins }
tmpW:=tmpW-2*tmpWMargin;
{ <-- left and right margins }
tmpW:=tmpW div 2; { half
height for left and right charts }

{ CALCULATE VERTICAL
MARGIN }
tmpH:=Printer.PageHeight;
tmpHMargin:=Round(5.0*tmpH/10
0.0); { <-- 5% margins }
tmpH:=tmpH-2*tmpHMargin; {

```

```

}
w:=ClientWidth-4-Panel1.Width;
Panel2.Width:=w-4;
Panel1.Height:=ClientHeight-
Panel2.Height-4;
h:=Panel1.Height;
{ Top Left Chart }

Chart1.SetBounds(Panel1.Width,Pa
nel2.Height,w div 2,h div 2);
{ Bottom Left Chart }

Chart2.SetBounds(Panel1.Width,Pa
nel2.Height+Chart1.Height,w div 2,h
div 2);
{ Top Right Chart }

Chart3.SetBounds(Panel1.Width+C
hart1.Width+1,Chart1.Top,w div 2,h
div 2);
{ Bottom Right Chart }

Chart4.SetBounds(Chart3.Left,Char
t2.Top,w div 2,h div 2);
end;

<-----> procedure
TBasicForm.FormShow(Sender:
TObject);
begin
FormResize(Self); { <-- to align
charts }
end;

<-----> procedure
TBasicForm.BitBtn1Click(Sender:
TObject);
Var
tmpH,tmpW,tmpWMargin,tmpHM
argin:Longint; { margins }

OldOrientation:TPrinterOrientation
;
begin
Screen.Cursor := crHourGlass;

OldOrientation:=Printer.Orientatio
n; { <-- save paper orientation }
Printer.Orientation:=poLandscape;

```

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restore cursor }	<-- bottom and top margins }
end;	tmpH:=tmpH div 2; { half height for top and bottom charts }
end;	
	{ left / top chart }
<-----> procedure TBasicForm.CheckBox2Click(Sender: TObject);	Chart1.PrintPartial(Rect(tmpWMargin,tmpHMargin,
begin	tmpWMargin+tmpW,tmpHMargin+tmpH));
Chart1.View3D:=CheckBox2.Checked;	
	{ right / top chart }
Chart2.View3D:=CheckBox2.Checked;	Chart3.PrintPartial(Rect(tmpWMargin+tmpW,tmpHMargin,
	tmpWMargin+2*tmpW,tmpHMargin+tmpH));
Chart3.View3D:=CheckBox2.Checked;	
	{ left / bottom chart }
Chart4.View3D:=CheckBox2.Checked;	Chart2.PrintPartial(Rect(tmpWMargin,tmpHMargin+tmpH,
end;	tmpWMargin+tmpW,tmpHMargin+2*tmpH));
<-----> procedure TBasicForm.BitBtn2Click(Sender: TObject);	{ right / bottom chart }
var tmpH,tmpW:Longint;	Chart4.PrintPartial(Rect(tmpWMargin+tmpW,tmpHMargin+tmpH,
begin	tmpWMargin+2*tmpW,tmpHMargin+2*tmpH));
{ This code creates and stores a new BITMAP file	
which contains the FOUR charts.	Printer.EndDoc; { <-- end job and print !! }
Asks previously the user the BMP filename.	except
}	on Exception do { just in case an error happens... }
with SaveDialog1 do	Begin
begin	Printer.Abort;
if Execute then	Printer.EndDoc;
With TBitmap.Create do	Raise;
try	end;
{ calculate bitmap size (2x2) }	end;
tmpW:=Chart1.Width;	finally
tmpH:=Chart1.Height;	
Width := 2*tmpW;	Printer.Orientation:=OldOrientation; { <-- restore paper orientation }
Height:= 2*tmpH;	Screen.Cursor:=crDefault; { <--
{ draw chart 1 }	
Chart1.BufferedDisplay:=False;	
Chart1.Draw(Canvas,Rect(0,0,tmpW,tmpH));	
Chart1.BufferedDisplay:=True;	

{ Bitmap images (TBitmap component) can be painted in several styles:	
pbmStretch : Bitmap is stretched to fit Chart Panel Rectangle	{ draw chart 2 }
pbmTile : Bitmap is repeatedly painted without stretching.	Chart2.BufferedDisplay:=False;
pbmCenter : Bitmap is painted centered without stretching.	Chart2.Draw(Canvas,Rect(0,tmpH+1,tmpW,2*tmpH));
You use the PanelBitmapMode property:	Chart2.BufferedDisplay:=True;
Chart1.PanelBitmapMode := pbmTile ;	{ draw chart 3 }
}	Chart3.BufferedDisplay:=False;
uses	Chart3.Draw(Canvas,Rect(tmpW+1,0,2*tmpW,tmpH));
SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,	Chart3.BufferedDisplay:=True;
Forms, Dialogs, ExtCtrls, Chart, Series, StdCtrls, Teeengine, Buttons, TeeProcs;	{ draw chart 4 }
type	Chart4.BufferedDisplay:=False;
TBitmapForm = class(TForm)	Chart4.Draw(Canvas,Rect(tmpW+1,tmpH+1,2*tmpW,2*tmpH));
Chart1: TChart;	Chart4.BufferedDisplay:=True;
OpenDialog1: TOpenDialog;	SaveToFile(FileName);
Panel1: TPanel;	finally
RadioGroup1: TRadioGroup;	Free;
BitBtn1: TBitBtn;	end;
BitBtn3: TBitBtn;	end;
CheckBox1: TCheckBox;	end;
Series1: TBarSeries;	end.
Button1: TButton;	////////////////////////////////////
Memo1: TMemo;	6
<-----> procedure FormCreate(Sender: TObject);	{***** *****}
<-----> procedure RadioGroup1Click(Sender: TObject);	{ TeeChart. TChart Component }
<-----> procedure BitBtn1Click(Sender: TObject);	{ Copyright (c) 1995-2001 by David Berneda }
<-----> procedure CheckBox1Click(Sender: TObject);	{ All Rights Reserved }
<-----> procedure Button1Click(Sender: TObject);	{***** *****}
	unit ubitmap;
	interface
	{ This example shows how to draw a custom Bitmap on a Panel Chart component }

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```

x1.Checked;
end;

<-----> procedure
TBitmapForm.Button1Click(Sender
: TObject);
begin
  Chart1.BackImage:=nil;
end;

end.

////////////////////////////////////
7
{*****
*****}
{ TeeChart Delphi Component
Library }
{ Bubble Series Type Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit bubble;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, Chart, Series,
  ExtCtrls, StdCtrls, BubbleCh,
  Teeengine, Buttons, TeeProcs;

type
  TBubbleForm = class(TForm)
    Chart1: TChart;
    Panel1: TPanel;
    CheckBox1: TCheckBox;
    Timer1: TTimer;
    CheckBox2: TCheckBox;
    ComboBox1: TComboBox;
    Label1: TLabel;
    BitBtn3: TBitBtn;
  
```

```

private
  { Private declarations }
public
  { Public declarations }
end;

implementation

{$R *.dfm}

<-----> procedure
TBitmapForm.FormCreate(Sender:
TObject);
begin
  { This is to show something random
in this example }
  Series1.FillSampleValues(10);
end;

<-----> procedure
TBitmapForm.RadioGroup1Click(S
ender: TObject);
begin
  Chart1.BackImageMode:=TTeeBac
kImageMode(RadioGroup1.ItemInd
ex);
end;

<-----> procedure
TBitmapForm.BitBtn1Click(Sender:
TObject);
begin
  if OpenFileDialog1.Execute then
  begin
    RadioGroup1.Enabled:=False;

    Chart1.BackImage.LoadFromFile(O
penDialog1.FileName);
    RadioGroup1.Enabled:=True;
  end;
end;

<-----> procedure
TBitmapForm.CheckBox1Click(Sen
der: TObject);
begin
  Chart1.BackImageInside:=CheckBo
  
```


for t:=1 to 100 do
BubbleSeries1.AddBubble(Date+t,
Random(ChartSamplesMax), { <-- y value }
ChartSamplesMax/(20+Random(25)), { <-- radius value }
" , { <-- label string }
GetDefaultColor(t); { <-- color }
end;
<-----> procedure TBubbleForm.CheckBox1Click(Sen der: TObject);
begin
Timer1.Enabled:=CheckBox1.Check ed; { <-- on / off animation }
end;
<-----> procedure TBubbleForm.Timer1Timer(Sender : TObject);
Var tmpColor:TColor;
Begin
Timer1.Enabled:=False; { <-- stop the timer (this is optional) }
With BubbleSeries1 do
Begin
tmpColor:=ValueColor[0];
Delete(0); { <-- remove the first point }
{ Add a new random bubble }
AddBubble(XValues.Last+1, { <-- x value }
Random(ChartSamplesMax), { <-- y value }
ChartSamplesMax/(20+Random(25)), { <-- radius value }
" , { <-- label string }
tmpColor); {

CheckBox3: TCheckBox;
BubbleSeries1: TBubbleSeries;
ZoomInButton: TSpeedButton;
ZoomOutButton: TSpeedButton;
Memo1: TMemo;
<-----> procedure FormCreate(Sender: TObject);
<-----> procedure CheckBox1Click(Sender: TObject);
<-----> procedure Timer1Timer(Sender: TObject);
<-----> procedure CheckBox2Click(Sender: TObject);
<-----> procedure ComboBox1Change(Sender: TObject);
<-----> procedure CheckBox3Click(Sender: TObject);
function BubbleSeries1GetPointerStyle(Send er: TChartSeries;
ValueIndex: Longint): TSeriesPointerType;
<-----> procedure ZoomInButtonClick(Sender: TObject);
<-----> procedure ZoomOutButtonClick(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;
implementation
{SR *.dfm}
<-----> procedure TBubbleForm.FormCreate(Sender: TObject);
var t:Longint;
begin
ComboBox1.ItemIndex:=Ord(psCirc le); { <-- Circled Bubbles by default }
BubbleSeries1.Clear;

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kBox2.Checked; { switch on/off Marks }	<-- color }
end;	end;
<-----> procedure TBubbleForm.ComboBox1Change(Sender: TObject);	if Random(100)<8 then
begin { the demo combobox1 allows changing Bubble style }	begin
BubbleSeries1.Pointer.Style:=TSeriesPointerStyle(ComboBox1.ItemIndex);	if ComboBox1.ItemIndex<ComboBox1.Items.Count-1 then
end;	ComboBox1.ItemIndex:=ComboBox1.ItemIndex+1
<-----> procedure TBubbleForm.CheckBox3Click(Sender: TObject);	else
begin	ComboBox1.ItemIndex:=0;
Chart1.Repaint;	ComboBox1Change(Self);
end;	end;
function TBubbleForm.BubbleSeries1GetPointerStyle(Sender: TChartSeries; ValueIndex: Longint);	if (GetTickCount mod 1000)<=55 then
TSeriesPointerStyle;	begin
begin	with
if CheckBox3.Checked then	BubbleSeries1.GetHorizAxis.Title do
result:=TSeriesPointerStyle(Random(Ord(High(TSeriesPointerStyle))))	if Angle>=90 then Angle:=Angle-90 else Angle:=270;
else	
result:=BubbleSeries1.Pointer.Style;	with
end;	BubbleSeries1.GetVertAxis.Title do
<-----> procedure TBubbleForm.ZoomInButtonClick(Sender: TObject);	if Angle>=90 then Angle:=Angle-90 else Angle:=270;
begin	
Chart1.ZoomPercent(110);	with BubbleSeries1.GetVertAxis do
end;	if LabelsAngle>=90 then
<-----> procedure TBubbleForm.ZoomOutButtonClick(Sender: TObject);	LabelsAngle:=LabelsAngle-90 else
begin	LabelsAngle:=270;
Chart1.ZoomPercent(90);	
	with BubbleSeries1.GetHorizAxis do
	if LabelsAngle>=90 then
	LabelsAngle:=LabelsAngle-90 else
	LabelsAngle:=270;
	end;
	Timer1.Enabled:=True; { <-- restart the timer }
	end;
	<-----> procedure TBubbleForm.CheckBox2Click(Sender: TObject);
	begin
	BubbleSeries1.Marks.Visible:=Chec

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```
{SR *.dfm}
Uses TeeAbout;

end.
////////////////////////////////
9
{*****
*****}
{ TeeChart          }
{ TColoredForm Example
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All Rights Reserved }
{*****
*****}
unit ucolor;

interface

uses
  Wintypes, WinProcs, Messages,
  SysUtils, Classes, Graphics,
  Controls, Forms, Dialogs,
  Teengine, Series, ExtCtrls, Chart,
  StdCtrls, Buttons, teprocs;

type
  TColoredForm = class(TForm)
    Chart1: TChart;
    Panel1: TPanel;
    CheckBox1: TCheckBox;
    BitBtn2: TBitBtn;
    LineSeries1: TLineSeries;
    PointSeries1: TPointSeries;
    Memo1: TMemo;
    <-----> procedure
    FormCreate(Sender: TObject);
    <-----> procedure
    CheckBox1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

implementation

{SR *.dfm}
```

```
end;

end.
////////////////////////////////
8
{*****
*****}
{ TeeChart Delphi Component
Library }
{ Chart Specs Form Demo
}
{ Copyright (c) 1995-2001 David
Berneda }
{ All rights reserved }
{*****
*****}
unit specs;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, StdCtrls, Buttons,
  ExtCtrls;

type
  TChartSpecs = class(TForm)
    Memo1: TMemo;
    Panel2: TPanel;
    Label1: TLabel;
    Image2: TImage;
    BitBtn1: TBitBtn;
    Panel1: TPanel;
    Memo2: TMemo;
  private
    { Private declarations }
  public
    { Public declarations }
  end;

implementation
```

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```

Berneda }
{ All rights reserved }
{*****}
*****}
unit ucrossh;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, StdCtrls, Teengine,
  Series, ExtCtrls, Chart, Buttons,
  TeeProcs;

type
  TCrossHairForm = class(TForm)
  Chart1: TChart;
  LineSeries1: TLineSeries;
  Panell1: TPanel;
  Label1: TLabel;
  BitBtn1: TBitBtn;
  Label2: TLabel;
  CheckBox1: TCheckBox;
  BitBtn2: TBitBtn;
  Memo1: TMemo;
  <-----> procedure
  FormCreate(Sender: TObject);
  <-----> procedure
  Chart1MouseMove(Sender:
  TObject; Shift: TShiftState; X,
  Y: Integer);
  <-----> procedure
  LineSeries1AfterDrawValues(Sende
  r: TObject);
  <-----> procedure
  CheckBox1Click(Sender: TObject);
  <-----> procedure
  BitBtn2Click(Sender: TObject);
  private
  { Private declarations }
  public
  { Public declarations }
  OldX,OldY:Longint;
  CrossHairColor:TCOLOR;
  CrossHairStyle:TPenStyle;
  end;
    
```

```

<-----> procedure
  TColoredForm.FormCreate(Sender:
  TObject);

  <-----> procedure
  AddColors(Series:TChartSeries);
  var step:Double;
  t:Longint;
  begin
  With Series,GetVertAxis do
  begin
  step:=(Maximum-
  Minimum)/10.0;
  for t:=0 to Count-1 do

  ValueColor[t]:=GetDefaultColor(
  Trunc((YValue[t]-Minimum)/step) );
  end;
  end;

  begin
  LineSeries1.FillSampleValues(100);

  PointSeries1.FillSampleValues(100);
  Chart1.LeftAxis.AdjustMaxMin;
  AddColors(LineSeries1);
  AddColors(PointSeries1);
  end;

  <-----> procedure
  TColoredForm.CheckBox1Click(Sen
  der: TObject);
  begin
  Chart1.LeftAxis.Inverted:=CheckBo
  x1.Checked;
  end;

  end.
  \\\\\\\\\\\\\\\\\\\\
  10
  {*****}
  *****}
  { TeeChart Delphi Component
  Library }
  { Cross-Hair demo }
  { Copyright (c) 1995-2001 by David
    
```

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if (OldX<>-1) then
begin
DrawCross(OldX,OldY); { draw old crosshair }
OldX:=-1;
end;
{ check if mouse is inside Chart rectangle }
if PtInRect(Chart1.ChartRect, Point(X-Chart1.Width3D,Y+Chart1.Height3D)) then
begin
DrawCross(x,y); { draw crosshair at current position }
{ store old position }
OldX:=x;
OldY:=y;
{ set label text }
With LineSeries1 do
begin
GetCursorValues(tmpX,tmpY); { <-- get values under mouse cursor }
Label1.Caption:=GetVertAxis.Label Value(tmpY)+
' '+
GetHorizAxis.LabelValue(tmpX);
end;
end;
end;
<-----> procedure TCrossHairForm.LineSeries1AfterDrawValues(Sender: TObject);
begin
OldX:=-1; { Reset old mouse position }
end;
<-----> procedure TCrossHairForm.CheckBox1Click(Sender: TObject);
begin
if CheckBox1.Checked then Chart1.Cursor:=crCross
else

implementation
{ \$R *.dfm }
Uses udemutil;
<-----> procedure TCrossHairForm.FormCreate(Sender: TObject);
begin
LineSeries1.FillSampleValues(30); { <-- some random values }
OldX:=-1; { initialize variables }
CrossHairColor:=clYellow;
CrossHairStyle:=psSolid;
end;
<-----> procedure TCrossHairForm.Chart1MouseMove(Sender: TObject; Shift: TShiftState; X, Y: Integer);
{ This <-----> procedure draws the crosshair lines }
<-----> procedure DrawCross(AX,AY:Integer);
begin
With Chart1,Canvas do
begin
Pen.Color:=CrossHairColor;
Pen.Style:=CrossHairStyle;
Pen.Mode:=pmXor;
Pen.Width:=1;
MoveTo(ax,ChartRect.Top-Height3D);
LineTo(ax,ChartRect.Bottom-Height3D);
MoveTo(ChartRect.Left+Width3D,ay);
LineTo(ChartRect.Right+Width3D,ay);
end;
end;
Var tmpX,tmpY:Double;
begin

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```

BitBtn1: TBitBtn;
CheckBox2: TCheckBox;
PointSeries1: TPointSeries;
FastLineSeries1: TFastLineSeries;
DrawGrid: TCheckBox;
Memo1: TMemo;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
LineSeries1AfterDrawValues(Sender:
TObject);
<-----> procedure
CheckBox1Click(Sender: TObject);
<-----> procedure
Timer1Timer(Sender: TObject);
<-----> procedure
CheckBox2Click(Sender: TObject);
<-----> procedure
DrawGridClick(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
XPercent,YPercent:Integer;
end;

implementation
{$R *.dfm}

<-----> procedure
TCustomAxisForm.FormCreate(Sender:
TObject);

<-----> procedure
CreateRandomPoints(Series:TChart
Series);
var t,Old:Longint;
begin
With Series do
begin
Clear;
Old:=Longint(Random(1000));
for t:=1 to 100 do
begin
Inc(Old,Longint(Random(20))-
10);
Add(Old,",cTeeColor);
end;

```

```

Chart1.Cursor:=crDefault;

Chart1.OriginalCursor:=Chart1.Cu
rsor;
end;

<-----> procedure
TCrossHairForm.BitBtn2Click(Send
er: TObject);
begin

CrossHairColor:=EditColor(Self,Cr
ossHairColor);
end;

end.
////////////////////
11
{*****
*****}
{ TeeChart Delphi Component
Library }
{ Custom Axis Drawing Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit mulaxis;

interface

uses

SysUtils, WinTypes, WinProcs,
Messages, Classes, Graphics,
Controls,
Forms, Dialogs, StdCtrls, ExtCtrls,
Teengine, Chart, Series, Buttons,
TeeProcs;

type
TCustomAxisForm = class(TForm)
Chart1: TChart;
LineSeries1: TLineSeries;
Panel1: TPanel;
CheckBox1: TCheckBox;
Timer1: TTimer;

```

AC.&P

BottomAxis.CustomDraw(posaxis+10,posaxis+40,posaxis,DrawGrid.Checked);	end;
end;	end;
end;	
<-----> procedure TCustomAxisForm.CheckBox1Click(Sender: TObject);	begin
begin	XPercent:=50;
Chart1.AxisVisible:=not CheckBox1.Checked;	YPercent:=50;
	Randomize;
Timer1.Enabled:=CheckBox1.Checked;	CreateRandomPoints(LineSeries1);
end;	CreateRandomPoints(PointSeries1);
	CreateRandomPoints(FastLineSeries1);
	end;
<-----> procedure TCustomAxisForm.LineSeries1AfterDrawValues(Sender: TObject);	<-----> procedure
var posaxis:longint;	TCustomAxisForm.LineSeries1AfterDrawValues(Sender: TObject);
begin	var posaxis:longint;
With Chart1 do	begin
begin	{ Calculate axis position and draw... }
if XPercent<95 then Inc(XPercent,5)	PosAxis:=ChartRect.Left+Trunc(ChartWidth*YPercent/100.0);
else XPercent:=5;	LeftAxis.CustomDraw(posaxis-10,posaxis-40,posaxis,DrawGrid.Checked);
if YPercent<97 then Inc(YPercent,3)	PosAxis:=ChartRect.Left+Trunc(ChartWidth*(100.0-YPercent)/100.0);
else YPercent:=3;	LeftAxis.CustomDraw(posaxis-10,posaxis-40,posaxis,DrawGrid.Checked);
Chart1.Repaint;	
end;	
<-----> procedure TCustomAxisForm.CheckBox2Click(Sender: TObject);	PosAxis:=ChartRect.Top+Trunc(ChartHeight*XPercent/100.0);
begin	BottomAxis.CustomDraw(posaxis+10,posaxis+40,posaxis,DrawGrid.Checked);
Chart1.LeftAxis.Inverted:=CheckBox2.Checked;	
Chart1.BottomAxis.Inverted:=CheckBox2.Checked;	PosAxis:=ChartRect.Top+Trunc(ChartHeight*(100.0-XPercent)/100.0);
end;	
<-----> procedure TCustomAxisForm.DrawGridClick(Sender: TObject);	
begin	
Chart1.Repaint;	
end;	

TObject);	
<-----> procedure CheckBox1Click(Sender: TObject);	end.
<-----> procedure CheckBox2Click(Sender: TObject);	////////////////////////////////////
<-----> procedure Timer1Timer(Sender: TObject);	12
<-----> procedure BitBtn3Click(Sender: TObject);	{***** *****}
private	{ TeeChart. THorizBarSeries Data-Aware Demo }
{ Private declarations }	{ Copyright (c) 1995-2001 by David Berneda }
public	{***** *****}
{ Public declarations }	unit udbhoriz;
DeltaZ:Integer;	
<-----> procedure RecalcMarks;	interface
end;	
implementation	{ This form shows Horizontal Bar Series attached to a Table }
{SR *.dfm}	uses
<-----> procedure TDBHorizBarForm.FormShow(Sen der: TObject);	SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,
begin	Forms, Dialogs, DB, DBTables, Chart, Series, ExtCtrls, DbChart, StdCtrls,
DeltaZ:=5; { <-- this variable is used for animation only }	Teengine, Buttons, teeprocs;
{ Here we set the Series order }	
With DBChart1.SeriesList do	type
Begin	TDBHorizBarForm = class(TForm)
Items[0]:=HorizBarSeries2;	Table1: TTable;
Items[1]:=HorizBarSeries1;	DBChart1: TDBChart;
End;	Panel1: TPanel;
end;	CheckBox1: TCheckBox;
	RadioGroup1: TRadioGroup;
<-----> procedure TDBHorizBarForm.RecalcMarks;	Timer1: TTimer;
Begin	BitBtn2: TBitBtn;
{ Here the Series Marks and associated Axis are	BitBtn3: TBitBtn;
adjusted depending on MultiBar (Stacked or not)	HorizBarSeries1: THorizBarSeries;
}	HorizBarSeries2: THorizBarSeries;
if	CheckBox2: TCheckBox;
(HorizBarSeries1.MultiBar=mbStac ked) or	Memo1: TMemo;
	<-----> procedure FormShow(Sender: TObject);
(HorizBarSeries1.MultiBar=mbStac	<-----> procedure RadioGroup1Click(Sender:

AC.&P

```

checked; { <-- 3 dimensions }
end;

<-----> procedure
TDBHorizBarForm.CheckBox2Click(Sender: TObject);
begin
    Timer1.Enabled:=CheckBox2.Checked; { <-- start / stop animation }
end;

<-----> procedure
TDBHorizBarForm.Timer1Timer(Sender: TObject);
var tmp:Integer;
begin
    Timer1.Enabled:=False;
    { here is the animation code }

    tmp:=DBChart1.Chart3DPercent+DeltaZ;
    if tmp<3 then
        Begin
            DeltaZ:=5;
            tmp:=3;
        end;
    if tmp>90 then
        begin
            DeltaZ:=-5;
            tmp:=90;
        end;
    DBChart1.Chart3DPercent:=tmp;
    DBChart1.Legend.TopPos:=tmp;
    if Random(100)=1 then
        HorizBarSeries1.BarStyle:=TBarStyle(Random(Ord(High(TBarStyle))));
        if Random(100)=1 then
            HorizBarSeries2.BarStyle:=TBarStyle(Random(Ord(High(TBarStyle))));
            if Random(100)=1 then
                RadioGroup1.ItemIndex:=Random(RadioGroup1.Items.Count);
                Timer1.Enabled:=True;
            end;
        end;
    end;
end;
    
```

```

ked100) then
    Begin
        DBChart1.Series[0].Marks.Visible:=False;
        DBChart1.Series[1].Marks.Visible:=True;
        HorizBarSeries1.HorizAxis:=aTopAxis;
        HorizBarSeries2.HorizAxis:=aTopAxis;
    end
else
    Begin
        DBChart1.Series[0].Marks.Visible:=True;
        DBChart1.Series[1].Marks.Visible:=True;
        HorizBarSeries1.HorizAxis:=aBottomAxis;
        HorizBarSeries2.HorizAxis:=aTopAxis;
    end;
end;

<-----> procedure
TDBHorizBarForm.RadioGroup1Click(Sender: TObject);
begin
    { Change the Series Stacked }
    HorizBarSeries1.MultiBar:=TMultiBar(RadioGroup1.ItemIndex);
    RecalcMarks;
end;

<-----> procedure
TDBHorizBarForm.CheckBox1Click(Sender: TObject);
begin
    DBChart1.View3D:=CheckBox1.Ch
    
```

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Chart1: TChart;
Series1: TLineSeries;
Series2: TLineSeries;
Series3: TLineSeries;
Series4: TLineSeries;
Chart2: TChart;
Series5: TBarSeries;
Series6: TBarSeries;
Series7: TBarSeries;
Panel2: TPanel;
Chart3: TChart;
Series8: THorizBarSeries;
Series9: THorizBarSeries;
Series10: THorizBarSeries;
Chart4: TChart;
Series11: TAreaSeries;
Series12: TAreaSeries;
Chart5: TChart;
Series13: TPointSeries;
Series14: TPointSeries;
Series15: TPointSeries;
Series16: TPointSeries;
Series17: TPointSeries;
Series18: TPointSeries;
Chart6: TChart;
Series19: TPieSeries;
Chart7: TChart;
Series20: TFastLineSeries;
Series21: TFastLineSeries;
Series22: TFastLineSeries;
Series23: TFastLineSeries;
Series24: TFastLineSeries;
Chart8: TChart;
Series26: TArrowSeries;
Series27: TArrowSeries;
Chart9: TChart;
Series28: TBubbleSeries;
Chart10: TChart;
Series29: TGanttSeries;
Chart11: TChart;
Series30: TChartShape;
Series31: TChartShape;
Series32: TChartShape;
Button2: TButton;
Panel3: TPanel;
Listbox1: TListBox;
Checkbox1: TCheckBox;
Checkbox2: TCheckBox;

```

<-----> procedure
TDBHorizBarForm.BitBtn3Click(Se
nder: TObject);
var tmp:TChartSeries;
begin
  { This code "swaps" the two series }
  With DBChart1.SeriesList do
  Begin
    tmp:=Items[0];
    Items[0]:=Items[1];
    Items[1]:=tmp;
  End;
  RecalcMarks;
  DBChart1.Repaint;
end;

end.

////////////////////////////////////
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{*****
*****}

{ TeeChart Delphi Component
Library v3 }

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Berneda }

{ All rights reserved }

{*****
*****}

unit teebasic;
{$P-} { <-- Delphi 1.0 compatibility }

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, ExtCtrls, TeeProcs,
  TeEngine, Chart, StdCtrls, Series,
  TeeShape, GanttCh, BubbleCh,
  ArrowCha, Buttons;

type
  TDemoForm = class(TForm)
  Notebook1: TNotebook;

```

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<-----> procedure SpeedButton2Click(Sender: TObject);	Image1: TImage;
<-----> procedure SpeedButton3Click(Sender: TObject);	Timer1: TTimer;
<-----> procedure CheckBox3Click(Sender: TObject);	ScrollBar1: TScrollBar;
<-----> procedure ComboBox1Change(Sender: TObject);	Label1: TLabel;
<-----> procedure Image1Click(Sender: TObject);	BitBtn1: TBitBtn;
<-----> procedure ScrollBar2Change(Sender: TObject);	BitBtn2: TBitBtn;
<-----> procedure Series28GetMarkText(Sender: TChartSeries; ValueIndex: Integer; var MarkText: string);	SpeedButton1: TSpeedButton;
<-----> procedure Button3Click(Sender: TObject);	SpeedButton2: TSpeedButton;
<-----> procedure CheckBox4Click(Sender: TObject);	SpeedButton3: TSpeedButton;
<-----> procedure FormShow(Sender: TObject);	SpeedButton4: TSpeedButton;
<-----> procedure ScrollBar3Change(Sender: TObject);	Label2: TLabel;
private	Label3: TLabel;
{ Private declarations }	CheckBox3: TCheckBox;
public	ComboBox1: TComboBox;
{ Public declarations }	ComboBox2: TComboBox;
tmpSeries,	ScrollBar2: TScrollBar;
tmpIndex,	Button3: TButton;
tmpRandom,	CheckBox4: TCheckBox;
tmpTimes:Longint;	Label4: TLabel;
Function TheChart:TChart;	Label5: TLabel;
<-----> procedure HorizScroll(Const Percent:Double);	Label6: TLabel;
<-----> procedure VertScroll(Const Percent:Double);	Label7: TLabel;
<-----> procedure ScrollAxis(Axis:TChartAxis; Const Percent:Double);	ScrollBar3: TScrollBar;
end;	Label8: TLabel;
	<-----> procedure ListBox1Click(Sender: TObject);
implementation	<-----> procedure FormCreate(Sender: TObject);
	<-----> procedure CheckBox1Click(Sender: TObject);
	<-----> procedure CheckBox2Click(Sender: TObject);
	<-----> procedure ScrollBar1Change(Sender: TObject);
	<-----> procedure Timer1Timer(Sender: TObject);
	<-----> procedure Button2Click(Sender: TObject);
	<-----> procedure BitBtn1Click(Sender: TObject);
	<-----> procedure BitBtn2Click(Sender: TObject);
	<-----> procedure SpeedButton1Click(Sender: TObject);
	<-----> procedure SpeedButton4Click(Sender: TObject);

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```

ComboBox2.ItemIndex:=0;
ListBox1.ItemIndex :=0;
ListBox1Click(Self);
end;
<-----> procedure
TDemoForm.CheckBox1Click(Sender: TObject);
begin
TheChart.View3D:=CheckBox1.Checked;
ScrollBar2.Enabled:=TheChart.View3D;
ScrollBar3.Enabled:=TheChart.View3D;
end;
<-----> procedure
TDemoForm.CheckBox2Click(Sender: TObject);
begin
Timer1.Enabled:=CheckBox2.Checked;
ScrollBar1.Enabled:=Timer1.Enabled;
end;
<-----> procedure
TDemoForm.ScrollBar1Change(Sender: TObject);
begin
Timer1.Interval:=ScrollBar1.Position;
end;
Function
TDemoform.TheChart:TChart;
begin
with Notebook1 do
result:=(Pages.Objects[PageIndex] as TPage).Controls[0] as TChart;
end;

```

```

{SR *.dfm}
Uses TeeAbout;
<-----> procedure
TDemoForm.ListBox1Click(Sender: TObject);
var t:Longint;
begin
NoteBook1.PageIndex:=ListBox1.ItemIndex;
With TheChart do
begin
tmpTimes:=-1;
AnimatedZoom:=True;
AnimatedZoomSteps:=4;
for t:=0 to SeriesCount-1 do
With Series[t] do
FillSampleValues(NumSampleValues);
UndoZoom;
CheckBox1.Checked :=View3D;
ScrollBar2.Enabled :=View3D;
ScrollBar2.Position:=Chart3DPercnt;
if Series[0] is TPieSeries then
ScrollBar3.Position:=View3DOptions.Elevation
else
ScrollBar3.Position:=View3DOptions.Rotation;
ScrollBar3.Enabled:=View3D;
end;
end;
<-----> procedure
TDemoForm.FormCreate(Sender: TObject);
begin
tmpTimes:=-1;
ScrollBar1.Position:=Timer1.Interval;
ComboBox1.ItemIndex:=0;

```

begin
RadiusValues[tmpIndex]:=tmpX;
if tmpRandom>0 then
tmpX:=XValues[tmpIndex]+1
else
tmpX:=XValues[tmpIndex]-1;
XValues[tmpIndex]:=tmpX;
if Random(10)<5 then
tmpX:=YValues[tmpIndex]+50
else
tmpX:=YValues[tmpIndex]-50;
YValues[tmpIndex]:=tmpX;
end
else tmpTimes:=0;
end
else
With
Series[tmpSeries].MandatoryValueL
ist do
Value[tmpIndex]:=Value[tmpIndex]
+tmpRandom;
Dec(tmpTimes);
Repaint;
end;
end;
5: (TheChart[0] as
TPieSeries).Rotate(358);
end;
end;
<-----> procedure
TDemoForm.Button2Click(Sender:
TObject);
begin
Close;
end;
<-----> procedure
TDemoForm.BitBtn1Click(Sender:
TObject);
begin
TheChart.ZoomPercent(120);
Button3.Enabled:=True;
end;

<-----> procedure
TDemoForm.Timer1Timer(Sender:
TObject);
var t:Longint;
tmpX:Double;
begin
With NoteBook1 do
Case PageIndex of
0,3,4,6: With TheChart do
begin
for t:=0 to SeriesCount-1
do
With Series[t] do
begin
tmpX:=XValues[1]-
XValues[0];
Delete(0);
AddXY(
XValues.Last+tmpX,
YValues.Last+Random(100)-
50," ,clTeeColor);
end;
end;
1,2,8: With TheChart do
begin
if (tmpTimes=-1) then
begin
tmpSeries:=Random(SeriesCount);
tmpIndex
:=Random(Series[tmpSeries].Count)
;
tmpTimes
:=Random(10);
tmpRandom:=2*Round(Random(50
)-25.0);
end;
if tmpSeries<>-1 then
begin
if PageIndex=8 then
With (Series[tmpSeries]
as TBubbleSeries) do
begin
tmpX:=RadiusValues[tmpIndex]+tm
pRandom;
if tmpX>=2 then

AC.&P

TDemoForm.SpeedButton1Click(Sender: TObject);	<-----> procedure
begin	TDemoForm.BitBtn2Click(Sender: TObject);
HorizScroll(10);	begin
end;	TheChart.ZoomPercent(80);
	Button3.Enabled:=True;
<-----> procedure	end;
TDemoForm.SpeedButton4Click(Sender: TObject);	
begin	<-----> procedure
HorizScroll(-10);	TDemoForm.ScrollAxis(Axis:TChartAxis; Const Percent:Double);
end;	var Amount:Double;
	begin
<-----> procedure	With Axis do
TDemoForm.SpeedButton2Click(Sender: TObject);	begin
begin	Amount:=((Maximum-Minimum)/(100.0/Percent));
VertScroll(-10);	SetMinMax(Minimum-Amount,Maximum-Amount);
end;	end;
	end;
<-----> procedure	
TDemoForm.SpeedButton3Click(Sender: TObject);	<-----> procedure
begin	TDemoForm.HorizScroll(Const Percent:Double);
VertScroll(10);	begin
end;	
	ScrollAxis(TheChart.TopAxis,Percent);
<-----> procedure	
TDemoForm.CheckBox3Click(Sender: TObject);	ScrollAxis(TheChart.BottomAxis,Percent);
begin	Button3.Enabled:=True;
(TheChart[0] as TPieSeries).Circled:=CheckBox3.Checked;	end;
end;	
	<-----> procedure
<-----> procedure	TDemoForm.VertScroll(Const Percent:Double);
TDemoForm.ComboBox1Change(Sender: TObject);	begin
begin	
With (TheChart[0] as TCustomBarSeries) do	ScrollAxis(TheChart.LeftAxis,Percent);
MultiBar:=TMultiBar((Sender as TComboBox).ItemIndex);	ScrollAxis(TheChart.RightAxis,Percent);
end;	Button3.Enabled:=True;
	end;
<-----> procedure	
TDemoForm.Image1Click(Sender: TObject);	<-----> procedure

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```

Series11.Stairs:=CheckBox4.Checked;

Series12.Stairs:=CheckBox4.Checked;
end;

<-----> procedure
TDemoForm.FormShow(Sender:
TObject);
begin
  Timer1.Enabled:=True; { <-- start
animation }
end;

<-----> procedure
TDemoForm.ScrollBar3Change(Sen
der: TObject);
begin
  if ScrollBar3.Enabled then
  With TheChart.View3DOptions do
  begin
    Orthogonal:=False;
    if TheChart[0] is TPieSeries then
      Elevation:=ScrollBar3.Position
    else
      Rotation:=ScrollBar3.Position;
  end;
end;

end.
////////////////////////////////////
14

{*****
*****}
{ TeeChart Delphi Component
Library }
{ Digital Series and Legend Last
Values Demo }
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
{$P-} { <-- VERY IMPORTANT
WHEN USING OnGet.. EVENTS }
unit lastvalu;
    
```

```

begin
  Timer1.Enabled:=False;
  With TTeeAboutForm.Create(Self)
  do
  try
    ShowModal;
  finally
    Free;
  end;
  Timer1.Enabled:=True;
end;

<-----> procedure
TDemoForm.ScrollBar2Change(Sen
der: TObject);
begin
  TheChart.Chart3DPercent:=ScrollB
ar2.Position;
end;

<-----> procedure
TDemoForm.Series28GetMarkText(
Sender: TChartSeries;
  ValueIndex: Integer; var
  MarkText: string);
begin
  if ValueIndex=3 then
  MarkText:='USA' else
  if ValueIndex=5 then
  MarkText:='UK' else
  if ValueIndex=7 then
  MarkText:='Germany' else
    MarkText:='';
end;

<-----> procedure
TDemoForm.Button3Click(Sender:
TObject);
begin
  TheChart.UndoZoom;
  Button3.Enabled:=False;
end;

<-----> procedure
TDemoForm.CheckBox4Click(Send
er: TObject);
begin
    
```

Index: Longint; var LegendText: String);	interface
<-----> procedure CheckBox4Click(Sender: TObject);	{ This forms show 4 line series in "Stairs" mode.
private	(LineSeries1.Stairs := True ;)
{ Private declarations }	
public	Legend Style is "IsLastValues" meaning the Legend will draw the Last value for each Series.
{ Public declarations }	}
end;	
implementation	uses
	SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,
{ \$R *.dfm }	Forms, Dialogs, Chart, Series, ExtCtrls, StdCtrls, Teengine, Buttons,
<-----> procedure TDigitalForm.FormCreate(Sender: TObject);	TeeProcs;
var t,tt:Longint;	
begin	type
Chart1.ApplyZOrder:=CheckBox4.Checked; { ZOrder or not ZOrder... }	TDigitalForm = class(TForm)
Chart1.Legend.Inverted:=True;	Chart1: TChart;
{ Fill Series with random values }	LineSeries1: TLineSeries;
for t:=0 to Chart1.SeriesCount-1 do	LineSeries2: TLineSeries;
With Chart1.Series[t] do	LineSeries3: TLineSeries;
begin	LineSeries4: TLineSeries;
Clear;	Panel1: TPanel;
for tt:=1 to 100 do Add(2*t+Random(2), '', clTeeColor);	CheckBox1: TCheckBox;
end;	Timer1: TTimer;
end;	CheckBox2: TCheckBox;
	CheckBox3: TCheckBox;
<-----> procedure TDigitalForm.CheckBox1Click(Sender: TObject);	BitBtn3: TBitBtn;
begin	CheckBox4: TCheckBox;
Timer1.Enabled:=CheckBox1.Checked; { start / stop animation }	Memor1: TMemor;
end;	<-----> procedure FormCreate(Sender: TObject);
	<-----> procedure CheckBox1Click(Sender: TObject);
<-----> procedure TDigitalForm.Timer1Timer(Sender: TObject);	<-----> procedure Timer1Timer(Sender: TObject);
var t:Longint;	<-----> procedure CheckBox2Click(Sender: TObject);
begin	<-----> procedure CheckBox3Click(Sender: TObject);
Timer1.Enabled:=False; { <-- stop	<-----> procedure Chart1GetLegendText(Sender: TCustomAxisPanel;
	LegendStyle: TLegendStyle;


```

t(Sender: TCustomAxisPanel;
  LegendStyle: TLegendStyle; Index:
  Longint; var LegendText: String);
begin
  { we want to show the Series Title
  as well as the Last Values }
  if LegendStyle=lsLastValues then
    LegendText:=LegendText+' -->
'+Chart1.Series[Index].Title;
end;

<-----> procedure
TDigitalForm.CheckBox4Click(Sender: TObject);
begin
  Chart1.ApplyZOrder:=CheckBox4.
  Checked;
  Chart1.Repaint;
end;

end.
////////////////////////////////////
15
{*****}
{ TeeChart. Draw Example }
{ Copyright (c) 1995-2001 by David
  Berneda }
{ All Rights Reserved }
{*****}
unit udraw;

interface

{ THIS EXAMPLE SHOWS HOW
TO DRAW ADDITIONAL
CUSTOMIZED THINGS TO A
CHART COMPONENT }
uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, Chart, Series,
  ExtCtrls, Teengine, StdCtrls,
  Buttons,

```

```

the timer }

{ Now, add a new point to each
Series }
for t:=0 to Chart1.SeriesCount-1 do
  With Chart1.Series[t] do Add(
  2*t+Random(2),'',clTeeColor);

{ Scroll the Horizontal Axis }
With Chart1.BottomAxis do { <--
with the Horizontal Axis... }
  Begin
    Automatic := False; { <-- we
dont want automatic scaling }
    Maximum :=
    LineSeries1.XValues.Last;
    Minimum := Maximum - 100; {
we want to see the last 100 points
only }
  End;
  { re-start timer }
  Timer1.Enabled:=True;
end;

<-----> procedure
TDigitalForm.CheckBox2Click(Sender: TObject);
begin
  Chart1.View3D:=CheckBox2.Checked;
end;

<-----> procedure
TDigitalForm.CheckBox3Click(Sender: TObject);
begin
  if CheckBox3.Checked then
    Chart1.Legend.LegendStyle:=lsLast
    Values
  else
    Chart1.Legend.LegendStyle:=lsAuto
    ;
end;

<-----> procedure
TDigitalForm.Chart1GetLegendTex

```

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```

<-----> procedure
TDrawForm.LineSeries1BeforeDrawValues(Sender: TObject);
Const
  MyColors:array[1..5] of TColor=
  ( clNavy,
    clGreen,
    clYellow,
    clRed,
    $00000080 { very red }
  );
var t,partial:Longint;
    tmpRect:TRect;
    YPosition:Longint;
    tmpYCenterValue:Double;
begin
  With Chart1 do
  Begin
    { we will divide the total chart width by 5 }
    tmpRect:=ChartRect;
    tmpRect.Right:=tmpRect.Left;
    partial:=ChartWidth div 5;

    { change the brush style }

    Canvas.Brush.Style:=bsDiagCross;
    Canvas.Pen.Style:=psClear;

    { for each section, fill with a specific color }
    for t:=1 to 5 do
    Begin
      { adjust the rectangle dimension }
    }
    tmpRect.Right
    :=tmpRect.Right+partial+1 ;

    { set the brush color }

    Canvas.Brush.Color:=MyColors[t];

    { paint !!! }
    With tmpRect do
      Canvas.Rectangle(
      Left+Width3D,Top-Height3D,Right+Width3D,Bottom-Height3D );
  
```

```

TeeProcs;
type
  TDrawForm = class(TForm)
  Chart1: TChart;
  LineSeries1: TLineSeries;
  Panel1: TPanel;
  BitBtn3: TBitBtn;
  CheckBox1: TCheckBox;
  Timer1: TTimer;
  BitBtn1: TBitBtn;
  CheckBox2: TCheckBox;
  Memo1: TMemo;
  <-----> procedure
  FormCreate(Sender: TObject);
  <-----> procedure
  LineSeries1BeforeDrawValues(Sender: TObject);
  <-----> procedure
  LineSeries1AfterDrawValues(Sender: TObject);
  <-----> procedure
  Timer1Timer(Sender: TObject);
  <-----> procedure
  CheckBox1Click(Sender: TObject);
  <-----> procedure
  BitBtn1Click(Sender: TObject);
  <-----> procedure
  CheckBox2Click(Sender: TObject);
  private
  { Private declarations }
  public
  { Public declarations }
  Percent:Double;
  DeltaPercent:Integer;
  end;

  implementation

  {$R *.dfm}

  <-----> procedure
  TDrawForm.FormCreate(Sender: TObject);
  begin
    Percent:=50; { <-- used for this demo only }
    LineSeries1.FillSampleValues(20);
  end;
  
```

ent*(MaxValue-MinValue)/100.0;
{ then calculate the Screen Pixel coordinate of the above value }
YPosition:=LeftAxis.CalcYPosValue (tmpYCenterValue);
{ change pen and draw the line }
Pen.Width:=3;
Pen.Style:=psSolid;
Pen.Color:=clRed;
MoveTo(ChartRect.Left,YPosition);
LineTo(ChartRect.Right,YPosition);
LineTo(ChartRect.Right+Width3D, YPosition-Height3D);
{ change font and draw some text above the line }
Font.Name:='Arial';
{ VERY IMPORTANT !!!!! }
{ THIS IS NECESSARY IF YOU'RE GOING TO PRINT !!!! }
{ IT MAKES FONT SIZES TO WORK FINE BOTH AT SCREEN AND PRINTER. }
Font.Height:=-24; { <-- express font size in "Height", NOT "Size" }
Font.Color:=clYellow;
Font.Style:=[fsBold];
{ Set transparent background... }
Brush.Style:=bsClear;
{ Output some text... }
TextOut(ChartRect.Left+20, YPosition-24 ,
'This is
'+FloatToStr(tmpYCenterValue));
end;
end;

{ adjust rectangle }
tmpRect.Left:=tmpRect.Right;
end;
{ first calculate the middle vertical value (based on LineSeries points) }
With LineSeries1.YValues do
tmpYCenterValue:=MinValue+Percent*(MaxValue-MinValue)/100.0;
{ then calculate the Screen Pixel coordinate of the above value }
YPosition:=LeftAxis.CalcYPosValue (tmpYCenterValue);
With Canvas do
begin
{ change pen and draw the line }
Pen.Width:=3;
Pen.Style:=psSolid;
Pen.Color:=clRed;
MoveTo(ChartRect.Left,YPosition);
LineTo(ChartRect.Left+Width3D,Y Position-Height3D);
LineTo(ChartRect.Right+Width3D, YPosition-Height3D);
end;
end;
end;
<-----> procedure
TDrawForm.LineSeries1AfterDraw Values(Sender: TObject);
Var YPosition:Longint;
tmpYCenterValue:Double;
begin
With Chart1,Canvas do
Begin
{ first calculate the middle vertical value (based on LineSeries points) }
With LineSeries1.YValues do
tmpYCenterValue:=MinValue+Perc

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```

////////////////////////////////////
16
{*****}
{ TeeChart. TChart Component
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All Rights Reserved }
{*****}
unit ufast;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, StdCtrls, ExtCtrls,
  TeeEngine, Chart, Series, Buttons,
  TeeProcs;

type
  TFastLineForm = class(TForm)
    Chart1: TChart;
    Panel1: TPanel;
    Button1: TButton;
    CheckBox1: TCheckBox;
    CheckBox2: TCheckBox;
    FastLineSeries1: TFastLineSeries;
    FastLineSeries2: TFastLineSeries;
    CheckBox3: TCheckBox;
    BitBtn3: TBitBtn;
    Memo1: TMemo;
    <-----> procedure
    FormCreate(Sender: TObject);
    <-----> procedure
    Button1Click(Sender: TObject);
    <-----> procedure
    CheckBox2Click(Sender: TObject);
    <-----> procedure
    CheckBox1Click(Sender: TObject);
    <-----> procedure
    CheckBox3Click(Sender: TObject);
  private
    { Private declarations }
  public

```

```

<-----> procedure
TDrawForm.Timer1Timer(Sender:
TObject);
begin
  if Percent+DeltaPercent>100 then
  begin
    Percent:=100;
    DeltaPercent:=-5;
  end
  else
  if Percent+DeltaPercent<0 then
  begin
    Percent:=0;
    DeltaPercent:=5;
  end
  else
  Percent:=Percent+DeltaPercent;
  Chart1.Repaint;
end;

<-----> procedure
TDrawForm.CheckBox1Click(Sende
r: TObject);
begin
  Timer1.Enabled:=CheckBox1.Check
ed;
  DeltaPercent:=5;
end;

<-----> procedure
TDrawForm.BitBtn1Click(Sender:
TObject);
begin
  { try with and without this --->
  Chart1.PrintResolution := -100; }
  Chart1.PrintLandscape;
end;

<-----> procedure
TDrawForm.CheckBox2Click(Sende
r: TObject);
begin
  Chart1.View3D:=CheckBox2.Check
ed;
end;

end.

```

AC.&P

Chart1.AnimatedZoom:=False;	{ Public declarations }
t1:=GetTickCount;	end;
for t:=1 to 30 do	implementation
Chart1.ZoomPercent(105); { 5%	
zoom in }	{ \$R *.dfm }
for t:=1 to 30 do	<-----> procedure
Chart1.ZoomPercent(95); { 5%	TFastLineForm.FormCreate(Sender
zoom out }	: TObject);
t2:=GetTickCount;	var t,tmpRandom:Longint;
Chart1.AnimatedZoom:=True;	begin
Chart1.UndoZoom;	{ This can speed up things a little...
finally	}
Screen.Cursor:=crDefault;	TeeEraseBack:=False;
end;	{ Make the chart flicker by default,
Showmessage('Time to plot 2000	only for this demo }
points'+#13+	Chart1.BufferedDisplay:=False;
'61 times: '+#13+	
IntToStr(t2-t1)+'	Chart1.View3d:=False;
milliseconds.');	Chart1.Legend.Visible:=False;
end;	Chart1.Title.Visible:=False;
	Chart1.Foot.Visible:=False;
<-----> procedure	{ some speed improvement if... }
TFastLineForm.CheckBox2Click(Se	TeeDefaultCapacity:=2000;
nder: TObject);	
begin	{ 2000 random points }
Chart1.AxisVisible:=CheckBox2.Ch	Randomize;
checked;	for t:=1 to 1000 do
end;	begin
	tmpRandom:=Random(Abs(500-
<-----> procedure	t))-(Abs(500-t) div 2);
TFastLineForm.CheckBox1Click(Se	FastLineSeries1.Add(1000-
nder: TObject);	t+tmpRandom,',clTeeColor);
begin	FastLineSeries2.Add(t+tmpRandom,
{ Setting this to False speeds up	','clTeeColor);
drawing	end;
with maximized charts on some	end;
video drivers }	
Chart1.BufferedDisplay:=CheckBox	<-----> procedure
1.Checked;	TFastLineForm.Button1Click(Sende
end;	er: TObject);
	var t1,t2,t:Longint;
<-----> procedure	begin
TFastLineForm.CheckBox3Click(Se	Screen.Cursor:=crHourGlass;
nder: TObject);	try
begin	
Chart1.ClipPoints:=CheckBox3.Che	

AC.&P

BitBtn21: TBitBtn;	cked;
Panel2: TPanel;	end;
Label21: TLabel;	
Label22: TLabel;	end.
Label23: TLabel;	////////////////////////////////////
Label24: TLabel;	17
Label25: TLabel;	{***** *****}
Label26: TLabel;	{ TeeChart Delphi Component Library }
Label27: TLabel;	{ Main Form Demo }
Label28: TLabel;	{ Copyright (c) 1996-2001 by David Berneda }
Label29: TLabel;	{ All rights reserved }
Label30: TLabel;	{***** *****}
Label31: TLabel;	unit features;
Label32: TLabel;	
Label33: TLabel;	interface
Label34: TLabel;	
Label35: TLabel;	uses
Label36: TLabel;	SysUtils, WinTypes, WinProcs, Messages, Classes, Graphics, Controls,
Label37: TLabel;	Forms, Dialogs, Buttons, StdCtrls, ExtCtrls;
Label38: TLabel;	
Label39: TLabel;	type
Label40: TLabel;	TFeaturesForm = class(TForm)
BitBtn22: TBitBtn;	BitBtn5: TBitBtn;
Label14: TLabel;	BitBtn6: TBitBtn;
Panel1: TPanel;	BitBtn7: TBitBtn;
<-----> procedure BitBtn3Click(Sender: TObject);	BitBtn3: TBitBtn;
<-----> procedure BitBtn5Click(Sender: TObject);	BitBtn9: TBitBtn;
<-----> procedure BitBtn6Click(Sender: TObject);	BitBtn11: TBitBtn;
<-----> procedure BitBtn7Click(Sender: TObject);	BitBtn10: TBitBtn;
<-----> procedure BitBtn2Click(Sender: TObject);	BitBtn2: TBitBtn;
<-----> procedure BitBtn8Click(Sender: TObject);	BitBtn8: TBitBtn;
<-----> procedure BitBtn9Click(Sender: TObject);	BitBtn12: TBitBtn;
<-----> procedure BitBtn10Click(Sender: TObject);	BitBtn13: TBitBtn;
<-----> procedure BitBtn11Click(Sender: TObject);	BitBtn14: TBitBtn;
<-----> procedure FormCreate(Sender: TObject);	BitBtn4: TBitBtn;
<-----> procedure BitBtn12Click(Sender: TObject);	BitBtn15: TBitBtn;
<-----> procedure BitBtn13Click(Sender: TObject);	BitBtn16: TBitBtn;
	BitBtn17: TBitBtn;
	BitBtn18: TBitBtn;
	BitBtn19: TBitBtn;
	BitBtn20: TBitBtn;

AC.&P

end;	<-----> procedure BitBtn14Click(Sender: TObject);
End;	<-----> procedure BitBtn4Click(Sender: TObject);
<-----> procedure TFeaturesForm.BitBtn3Click(Sender: TObject);	<-----> procedure BitBtn15Click(Sender: TObject);
begin	<-----> procedure BitBtn16Click(Sender: TObject);
ShowForm(TMiniForm);	<-----> procedure BitBtn17Click(Sender: TObject);
end;	<-----> procedure BitBtn18Click(Sender: TObject);
<-----> procedure TFeaturesForm.BitBtn5Click(Sender: TObject);	<-----> procedure BitBtn19Click(Sender: TObject);
begin	<-----> procedure BitBtn20Click(Sender: TObject);
ShowForm(TLegendForm);	<-----> procedure BitBtn21Click(Sender: TObject);
end;	private
<-----> procedure TFeaturesForm.BitBtn6Click(Sender: TObject);	{ Private declarations }
begin	public
ShowForm(TBitmapForm);	{ Public declarations }
end;	<-----> procedure ShowForm(AFormClass:TFormClasses);
<-----> procedure TFeaturesForm.BitBtn7Click(Sender: TObject);	end;
begin	implementation
ShowForm(TDrawForm);	
end;	{ \$R *.dfm }
<-----> procedure TFeaturesForm.BitBtn2Click(Sender: TObject);	Uses
begin	UAxisLab,UBitmap,UDraw,ULegend,UMain,UOverBar,MulAxis,
ShowForm(TScrollForm);	UPages,UPrint,UScroll,UShapes,UYLegend>LastValu,UColor,
end;	UMetafil,UAniZoom,UScrollB,UCrossH,UKeyboa,LogLab;
<-----> procedure TFeaturesForm.BitBtn8Click(Sender: TObject);	<-----> procedure TFeaturesForm.ShowForm(AFormClass:TFormClass);
begin	Begin
ShowForm(TShapesForm);	With AFormClass.Create(Self) do
end;	try
<-----> procedure TFeaturesForm.BitBtn9Click(Sender: TObject);	ShowModal;
begin	finally
	Free;

AC.&P

TFeaturesForm.BitBtn14Click(Sender: TObject);	ShowForm(TOverBarForm);
begin	end;
ShowForm(TDigitalForm);	<-----> procedure
end;	TFeaturesForm.BitBtn10Click(Sender: TObject);
<-----> procedure	begin
TFeaturesForm.BitBtn4Click(Sender: TObject);	ShowForm(TPrintForm);
begin	end;
ShowForm(TFormAnimatedZoom);	<-----> procedure
end;	TFeaturesForm.BitBtn11Click(Sender: TObject);
<-----> procedure	begin
TFeaturesForm.BitBtn15Click(Sender: TObject);	ShowForm(TPagesForm);
begin	end;
ShowForm(TMetafileForm);	<-----> procedure
end;	TFeaturesForm.FormCreate(Sender: TObject);
<-----> procedure	begin
TFeaturesForm.BitBtn16Click(Sender: TObject);	if Screen.Width<800 then
begin	ShowMessage('Warning:
ShowForm(TCustomAxisForm);	'+#13+#10+
end;	'This Demo is best viewed
<-----> procedure	with a Screen'+#13+#10+
TFeaturesForm.BitBtn17Click(Sender: TObject);	'resolution of 800x600 or
begin	greater,'+#13+#10+
ShowForm(TColoredForm);	'and a Color Depth of 256
end;	or greater.'+#13+#10+
<-----> procedure	'16K Colors is also better
TFeaturesForm.BitBtn18Click(Sender: TObject);	than 256 Colors.');
begin	end;
ShowForm(TScrollBarForm);	<-----> procedure
end;	TFeaturesForm.BitBtn12Click(Sender: TObject);
<-----> procedure	begin
TFeaturesForm.BitBtn19Click(Sender: TObject);	ShowForm(TAxisLabelsForm);
begin	end;
ShowForm(TCrossHairForm);	<-----> procedure
end;	TFeaturesForm.BitBtn13Click(Sender: TObject);
<-----> procedure	begin
TFeaturesForm.BitBtn13Click(Sender: TObject);	ShowForm(TLegendXYForm);
begin	end;
ShowForm(TLegendXYForm);	<-----> procedure
end;	
<-----> procedure	

LineSeries3: TLineSeries;	<-----> procedure
LineSeries4: TLineSeries;	TFeaturesForm.BitBtn20Click(Sender: TObject);
LineSeries5: TLineSeries;	begin
PointSeries1: TPointSeries;	ShowForm(TKeyboardForm);
Label1: TLabel;	end;
SpinEdit1: TSpinEdit;	<-----> procedure
BitBtn2: TBitBtn;	TFeaturesForm.BitBtn21Click(Sender: TObject);
BitBtn1: TBitBtn;	begin
BitBtn3: TBitBtn;	ShowForm(TLogLabelsForm);
Memo1: TMemo;	end;
<-----> procedure	end.
FormCreate(Sender: TObject);	////////////////////////////////////
<-----> procedure	////////////////////////////////
CheckBox1Click(Sender: TObject);	18
<-----> procedure	
CheckBox2Click(Sender: TObject);	{*****}
<-----> procedure	{ TeeChart. TChart Component
SpinEdit1Change(Sender: TObject);	}
<-----> procedure	{ Copyright (c) 1995-2001 by David
BitBtn1Click(Sender: TObject);	Berneda }
<-----> procedure	{ All Rights Reserved }
BitBtn2Click(Sender: TObject);	{*****}
private	{*****}
{ Private declarations }	unit uanizoom;
public	
{ Public declarations }	interface
end;	
implementation	uses
{SR *.dfm}	SysUtils, WinTypes, WinProcs,
	Messages, Classes, Graphics,
<-----> procedure	Controls,
TFormAnimatedZoom.FormCreate(	Forms, Dialogs, Teengine, Series,
Sender: TObject);	ExtCtrls, Chart, StdCtrls, Spin,
	Buttons, TeeProcs;
<-----> procedure	
RandomValues(ASeries:TChartSeries);	type
Var t,tmp:Longint;	TFormAnimatedZoom =
Begin	class(TForm)
With ASeries do	Chart1: TChart;
Begin	Panel1: TPanel;
tmp:=0;	CheckBox1: TCheckBox;
Clear;	CheckBox2: TCheckBox;
for t:=1 to 50 do	LineSeries1: TLineSeries;
Begin	LineSeries2: TLineSeries;
tmp:=tmp+Random(10000)-	
5000;	

```
(Sender: TObject);
begin
  BitBtn1.Enabled:=False;
  BitBtn2.Enabled:=False;
  Chart1.ZoomPercent(115);
  BitBtn1.Enabled:=True;
  BitBtn2.Enabled:=True;
end;

<-----> procedure
TFormAnimatedZoom.BitBtn2Click
(Sender: TObject);
begin
  BitBtn1.Enabled:=False;
  BitBtn2.Enabled:=False;
  Chart1.ZoomPercent(85);
  BitBtn1.Enabled:=True;
  BitBtn2.Enabled:=True;
end;

end.

////////////////////////////////////

19

{*****
*****}
{ TeeChart Delphi Component
Library }
{ Gantt Series Type Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit gantt;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, Chart, Series,
  ExtCtrls, StdCtrls, GanttCh,
  Teengine, Buttons, TeeProcs;
```

```
Add( tmp, ", clTeeColor );
end;
end;
End;

begin
SpinEdit1.Value:=Chart1.Animated
ZoomSteps;
RandomValues(LineSeries1);
RandomValues(LineSeries2);
RandomValues(LineSeries3);
RandomValues(LineSeries4);
RandomValues(LineSeries5);
RandomValues(PointSeries1);
Chart1.AnimatedZoom:=False;
Chart1.ZoomPercent(5);
Chart1.AnimatedZoom:=True;
end;

<-----> procedure
TFormAnimatedZoom.CheckBox1C
lick(Sender: TObject);
begin
Chart1.AnimatedZoom:=CheckBox1
.checked;
end;

<-----> procedure
TFormAnimatedZoom.CheckBox2C
lick(Sender: TObject);
begin
Chart1.View3D:=CheckBox2.Check
ed;
end;

<-----> procedure
TFormAnimatedZoom.SpinEdit1Ch
ange(Sender: TObject);
begin
Chart1.AnimatedZoomSteps:=SpinE
dit1.Value;
end;

<-----> procedure
TFormAnimatedZoom.BitBtn1Click
```

Use the AddGantt or AddGanttColor methods.
(This demo do not uses this methods)
Example:
GanttSeries1.AddGantt(EncodeDate(1997, 1, 1), EncodeDate(1997, 1, 31), 0, 'Programming');
Or...
GanttSeries1.AddGanttColor(EncodeDate(1997, 1, 1), EncodeDate(1997, 1, 31), 0, 'Programming', clGreen);
Where "0" is the desired vertical position for this bar.
Choose the vertical position you prefer.
To connect gantt bars:
1) Store the "AddGantt" or "AddGanttColor" function return longint:
Var tmp1, tmp2 : Longint;
tmp1:=GanttSeries1.AddGantt(EncodeDate(1997, 1, 1), EncodeDate(1997, 1, 31), 0, 'Programming');
tmp2:=GanttSeries1.AddGantt(EncodeDate(1997, 4, 1),

type
TGanttForm = class(TForm)
Chart1: TChart;
Panel1: TPanel;
Label1: TLabel;
Shape1: TShape;
BitBtn3: TBitBtn;
GanttSeries1: TGanttSeries;
Memo1: TMemo;
Label2: TLabel;
<-----> procedure FormCreate(Sender: TObject);
<-----> procedure Chart1MouseMove(Sender: TObject; Shift: TShiftState; X, Y: Integer);
<-----> procedure Chart1GetNextAxisLabel(Sender: TChartAxis; LabelIndex: Longint; var LabelValue: Double; var Stop: Boolean);
<-----> procedure GanttSeries1Click(Sender: TChartSeries; ValueIndex: Integer; Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
private
{ Private declarations }
public
{ Public declarations }
end;
implementation
{SR *.dfm}
Uses UDemUtil;
(*

**
HOW TO ADD GANTT BARS MANUALLY ?

**

eries1.XValues[tmpTask]);	EncodeDate(
Label2.Caption:=DateToStr(GanttSeries1.EndValues[tmpTask]);	1997, 4, 30),
Shape1.Brush.Color:=GanttSeries1.ValueColor[tmpTask];	0,
end	'Testing');
else	2) Then use the NextTask property:
begin { clear label and shape samples }	GanttSeries1.NextTask[tmp1] := tmp2 ;
Label1.Caption:='';	This will draw a line from 'Programming' gantt bar to 'Testing' bar.
Label2.Caption:='';	The "ConnectingLinePen" property is the pen used to draw lines.
Shape1.Brush.Color:=Panel1.Color;	*)
end;	<-----> procedure TGanttForm.FormCreate(Sender: TObject);
end;	begin
<-----> procedure TGanttForm.Chart1GetNextAxisLabel(Sender: TChartAxis;	GanttSeries1.FillSampleValues(GanttSeries1.NumSampleValues); { <-- Some random points }
LabelIndex: Longint; var LabelValue: Double; var Stop: Boolean);	{ change cursor when mouse moves over Gantt bars... }
var year,month,day:Word;	GanttSeries1.Cursor:=crTeeHand;
begin	end;
{ this will set the Bottom Axis (Dates) Labels to the First day of each month. }	<-----> procedure TGanttForm.Chart1MouseMove(Sender: TObject; Shift: TShiftState; X, Y: Integer);
if Sender=Chart1.BottomAxis then	var tmpTask:Longint;
begin	begin
{ LabelValue has the "candidate" value where the Axis label will be painted. }	tmpTask:=GanttSeries1.Clicked(x,y); { <-- if mouse is over a gantt bar... }
DecodeDate(LabelValue,year,month,day);	if tmpTask<>-1 then
{ we force that value to be the first day in month }	begin { set a sample label and a sample shape color }
Day:=1;	Label1.Caption:=DateToStr(GanttS
Month:=Month+1;	
if Month>12 then	
Begin	
Month:=1;	
Year:=Year+1;	
end;	
{ Then we set the preferred Label value }	

```

Messages, Classes, Graphics,
Controls,
Forms, Dialogs, Teengine, Series,
ExtCtrls, Chart, StdCtrls,
Buttons, TeeProcs, TeeFunci;

type
THighLowForm = class(TForm)
Chart1: TChart;
BarSeries1: TBarSeries;
Panell1: TPanel;
BitBtn1: TBitBtn;
BitBtn2: TBitBtn;
CheckBox1: TCheckBox;
Timer1: TTimer;
CB3D: TCheckBox;
AverageSeries: TLineSeries;
HighSeries: TLineSeries;
LowSeries: TLineSeries;
CheckBox2: TCheckBox;
CheckBox3: TCheckBox;
Memo1: TMemo;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
Chart1AfterDraw(Sender:
TObject);
<-----> procedure
BitBtn1Click(Sender: TObject);
<-----> procedure
CheckBox1Click(Sender: TObject);
<-----> procedure
Timer1Timer(Sender: TObject);
<-----> procedure
CB3DClick(Sender: TObject);
<-----> procedure
CheckBox2Click(Sender: TObject);
<-----> procedure
CheckBox3Click(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
Bar2:TBarSeries;
end;

implementation
{$R *.dfm}
    
```

```

LabelValue:=EncodeDate(year,mont
h,day);
{ we want more labels !! }
Stop:=False;
end;
end;

<-----> procedure
TGanttForm.GanttSeries1Click(Sen
der: TChartSeries;
ValueIndex: Integer; Button:
TMouseButton; Shift: TShiftState;
X,
Y: Integer);
begin
if Button=mbLeft then
With Sender do
ValueColor[ValueIndex]:=EditColor
(Self,ValueColor[ValueIndex])
else
Chart1.CancelMouse:=False;
{ setting CancelMouse to True
notifies TeeChart engine to STOP
handling the mouse click and
NOT start zoom or scroll. }
end;
end.

////////////////////////////////////
20
{*****
*****}
{ TeeChart Delphi Component
Library }
{ High-Mean-Low Form Demo
}
{ Copyright (c) 1996-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit uhighlo;

interface

uses
SysUtils, WinTypes, WinProcs,
    
```

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```

;
Font.Color:=HighSeries.SeriesColor
;
TextOut( ChartXCenter,
HighSeries.CalcYPos(0),
HighSeries.Name+'
'+HighSeries.ValueMarkText[0]);
Font.Color:=LowSeries.SeriesColor;
TextOut( ChartXCenter,
LowSeries.CalcYPos(0),
LowSeries.Name+'
'+LowSeries.ValueMarkText[0]);
end;
end;
<-----> procedure
THighLowForm.BitBtn1Click(Sender: TObject);
begin
Chart1.PrintLandscape;
end;
<-----> procedure
THighLowForm.CheckBox1Click(Sender: TObject);
begin
Timer1.Enabled:=CheckBox1.Checked;
end;
<-----> procedure
THighLowForm.Timer1Timer(Sender: TObject);
var tmp:Longint;
begin
Timer1.Enabled:=False;
tmp:=Random(BarSeries1.Count);
BarSeries1.YValue[tmp]:=BarSeries1.YValue[tmp]+Random(50)-25;
if random(100)<8 then
BarSeries1.BarStyle:=TBarStyle(Random(1+Ord(High(TBarStyle))));

```

```

<-----> procedure
THighLowForm.FormCreate(Sender: TObject);
begin
TeeEraseBack:=False; { try win95
+ plus ! + drag window + resizing ! }
Bar2:=nil;
Chart1.View3D:=CB3D.Checked;
Chart1.Chart3DPercent:=35;
BarSeries1.Fillsamplevalues(6);
BarSeries1.Dark3D:=Chart1.IsScreenHighColor;
Chart1.RightAxis.Minimum:=0;
Chart1.RightAxis.Maximum:=True;
BarSeries1.RefreshSeries;
end;
<-----> procedure
THighLowForm.Chart1AfterDraw(Sender: TObject);
begin
if not CheckBox2.Checked then {
only with one bar, much pretty... }
With Chart1,Canvas do
begin
Brush.Style:=bsClear;
Font.PixelsPerInch:=Screen.PixelsPerInch;
Font.Size:=12;
Font.Style:=[fsBold,fsItalic];
Font.Color:=AverageSeries.SeriesColor;
TextOut( ChartXCenter,
AverageSeries.CalcYPos(0),
AverageSeries.Name+'
'+AverageSeries.ValueMarkText[0])

```

AC.&P

```

LowSeries.DataSources.Add(Bar2);
Bar2.AddLinkedSeries(LowSeries);
end
else
begin
  { remove the second bar series we
  created before... }
  Bar2.Free;
  Bar2:=nil;
end;
{ and finally refresh the statistical
series to view results... }
BarSeries1.RefreshSeries;
end;
<-----> procedure
THighLowForm.CheckBox3Click(Se
nder: TObject);
begin
  BarSeries1.Active:=CheckBox3.Che
cked;
  if Assigned(Bar2) then
  Bar2.Active:=CheckBox3.Checked;
end;
end.
////////////////////////////////////
21
{*****
*****}
{ TeeChart Delphi Component
Library }
{ Keyboard Scrolling Demo
}
{ Copyright (c) 1996-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit ukeyboa;

interface

uses
  SysUtils, WinTypes, WinProcs,
```

```

{ Randomly change from 3D to 2D
}
if random(100)<2 then
CB3D.Checked:=not
CB3D.Checked;
Timer1.Enabled:=True;
end;
<-----> procedure
THighLowForm.CB3DClick(Sender
: TObject);
begin
  Chart1.View3d:=CB3D.Checked;
end;
<-----> procedure
THighLowForm.CheckBox2Click(Se
nder: TObject);
begin
  if CheckBox2.Checked then
  begin
    { create a new TBarSeries, and add
    data }
    Bar2:=TBarSeries.Create(Self);
    Bar2.ParentChart:=Chart1;
    Bar2.BarStyle:=bsInvPyramid;
    { fill the second series with same
    number of random values than
    the first bar series }
    Bar2.FillSampleValues(
    BarSeries1.Count);
    { then add this new Series as
    datasource for statistics... }
    AverageSeries.DataSources.Add(Bar
2);
    Bar2.AddLinkedSeries(AverageSeri
es);
    HighSeries.DataSources.Add(Bar2);
    Bar2.AddLinkedSeries(HighSeries);
```

AC.&P

XRange,YRange:Double;	Messages, Classes, Graphics,
begin	Controls,
{ initialize some temporary variables... }	Forms, Dialogs, Teengine, Series, ExtCtrls, Chart, StdCtrls, Buttons,
XDelta:=0;	TeeProcs;
YDelta:=0;	
With LineSeries1.GetHorizAxis do XRange:=Maximum-Minimum;	type
With LineSeries1.GetVertAxis do YRange:=Maximum-Minimum;	TKeyboardForm = class(TForm)
{ handle keyboard !!! }	Chart1: TChart;
if ssShift in Shift then	LineSeries1: TLineSeries;
begin	Panel1: TPanel;
Case key of	BitBtn1: TBitBtn;
VK_LEFT,VK_UP :	InvertScroll: TCheckBox;
Chart1.ZoomPercent(110);	CheckLimits: TCheckBox;
VK_RIGHT,VK_DOWN :	Memo1: TMemo;
Chart1.ZoomPercent(90);	<-----> procedure
end;	FormCreate(Sender: TObject);
exit;	<-----> procedure
end	FormKeyDown(Sender: TObject;
else	var Key: Word;
Case key of	Shift: TShiftState);
VK_LEFT : XDelta:=-	<-----> procedure
XRange/100;	CheckLimitsClick(Sender:
VK_RIGHT : XDelta:=	TObject);
XRange/100;	<-----> procedure
VK_UP : YDelta:= YRange/100;	InvertScrollClick(Sender: TObject);
VK_DOWN : YDelta:=-	private
YRange/100;	{ Private declarations }
vk Next : YDelta:=-YRange/10;	public
vk Prior : YDelta:= YRange/10;	{ Public declarations }
VK_SPACE : Begin	end;
Chart1.UndoZoom; Exit; End; { <--	implementation
reset scrolling }	
end;	{SR *.dfm}
{ just to make this example a little	<-----> procedure
better... }	TKeyboardForm.FormCreate(Sende
if not InvertScroll.Checked then	r: TObject);
begin	begin
XDelta:=-XDelta;	LineSeries1.FillSampleValues(500);
YDelta:=-YDelta;	AnimatedZoomFactor:=4;
end;	end;
{ apply scrolling !!! }	
With Chart1 do	<-----> procedure
Begin	TKeyboardForm.FormKeyDown(Se
LeftAxis.Scroll(YDelta,CheckLimits.	nder: TObject; var Key: Word;
Checked);	Shift: TShiftState);
	Var XDelta,YDelta,


```

Paintbox component.
}
uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, ExtCtrls, Chart,
  Series, StdCtrls, TeeEngine, Buttons,
  TeeProcs;

type
  TLegendForm = class(TForm)
    Chart1: TChart;
    LineSeries1: TLineSeries;
    LineSeries2: TLineSeries;
    PaintBox1: TPaintBox;
    Panel1: TPanel;
    BitBtn3: TBitBtn;
    Label1: TLabel;
    Memo1: TMemo;
    <-----> procedure
    LineSeries2AfterDrawValues(Sender: TObject);
    <-----> procedure
    FormCreate(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  LegendForm: TLegendForm;

implementation
  {$R *.dfm}

  <-----> procedure
  TLegendForm.LineSeries2AfterDrawValues(Sender: TObject);
  var t:Longint;
  begin
    With Paintbox1.Canvas do { we'll
    draw over PaintBox1 }
    Begin
      for t:=0 to Chart1.SeriesCount-1
      do { for each Series in Chart... }
      Begin
  
```

```

    RightAxis.Scroll(YDelta,CheckLimits.Checked);

    BottomAxis.Scroll(XDelta,CheckLimits.Checked);

    TopAxis.Scroll(XDelta,CheckLimits.Checked);
    SetFocus;
  End;
end;

<-----> procedure
TKeyboardForm.CheckLimitsClick(Sender: TObject);
begin
  ShowMessage('Please zoom before scrolling.');
```

```

  Chart1.SetFocus;
end;

<-----> procedure
TKeyboardForm.InvertScrollClick(Sender: TObject);
begin
  Chart1.SetFocus;
end;

end.

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
////
22
{*****}
{ TeeChart. Legend Example }
{ Copyright (c) 1995-2001 by David Berneda }
{ All Rights Reserved }
{*****}
unit ulegend;

interface
{ This form shows how to create a new Chart.Legend.
We'll draw the Series Titles onto a
  
```

```

Messages, Classes, Graphics,
Controls,
Forms, Dialogs, ExtCtrls, Chart,
Series, StdCtrls, TeeEngine, Buttons,
TeeProcs;

type
TLegendXYForm = class(TForm)
Chart1: TChart;
PieSeries1: TPieSeries;
Panel1: TPanel;
RadioGroup1: TRadioGroup;
BitBtn3: TBitBtn;
Memo1: TMemo;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
Chart1GetLegendRect(Sender:
TCustomChart; var Rect: TRect);
<-----> procedure
Chart1GetLegendPos(Sender:
TCustomChart; Index: Longint;
var X, Y, XColor: Longint);
<-----> procedure
RadioGroup1Click(Sender:
TObject);
private
{ Private declarations }
public
{ Public declarations }
DefaultLegend: Boolean;
end;

var
LegendXYForm:
TLegendXYForm;

implementation
{$R *.dfm}

<-----> procedure
TLegendXYForm.FormCreate(Send
er: TObject);
begin
DefaultLegend:=False; { <--
only used in this example }
PieSeries1.FillSampleValues(10); {
<-- some random pie sectors }
    
```

```

Font.Color:=Chart1[t].SeriesColor;
{ set font color }
{ draw the customized Series
Title }
TextOut(40,20+16*t,'This is a
long Series title:
'+Chart1.SeriesTitleLegend(t));
end;
End;
end;

<-----> procedure
TLegendForm.FormCreate(Sender:
TObject);
begin
LineSeries1.FillSampleValues(50);
{ random values }
LineSeries2.FillSampleValues(50);
end;

end.
////////////////////////////////////

24
{*****}
{ TeeChart Delphi Component
Library }
{ Custom Legend Size and Position
Demo }
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****}
unit uylegend;

interface
{ This form shows a customized
Legend.
The Chart.OnGetLegendRect and
Chart.OnGetLegendPos events are
used to
change the default legend size and
the default legend text positions.
}
uses
SysUtils, WinTypes, WinProcs,
    
```

AC.&P

```

k(Sender: TObject);
begin
  { Get the RadioGroup selection and
  force the chart to repaint }

  DefaultLegend:=RadioGroup1.ItemI
  ndex=0;
  Chart1.Repaint;
end;

end.

////////////////////////////////////
25
{*****
*****}
{ TeeChart Delphi Component
Library }
{ Linked Tables Chart Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit linked;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, StdCtrls, Buttons,
  ExtCtrls, Grids, DBGrids, DB,
  DBTables, Chart, Series, DbChart,
  DBCtrls, Teengine, TeeProcs;

type
  TLinkedTablesForm =
  class(TForm)
    DBChart1: TDBChart;
    DataSource1: TDataSource;
    DBGrid1: TDBGrid;
    Panel1: TPanel;
    Panel2: TPanel;
    Table1: TTable;
    Table2: TTable;
    DBNavigator1: TDBNavigator;
  
```

```

end;

<-----> procedure
TLegendXYForm.Chart1GetLegend
Rect(Sender: TCustomChart;
var Rect: TRect);
begin
  if not DefaultLegend then { <-- if
  we want to customize legend... }
  Begin
    { This changes the Legend
    Rectangle dimensions }

    Rect.Bottom:=Rect.Top+PieSeries1.
    Count*15; { <-- Calc Legend Height
    }

    Rect.Left:=Rect.Left-120;
    { <-- Bigger Legend Width }
  end;
end;

<-----> procedure
TLegendXYForm.Chart1GetLegend
Pos(Sender: TCustomChart; Index:
Longint;
var X, Y, XColor: Longint);
begin
  if not DefaultLegend then
  Begin
    { Calculate the X Y coordinates
    for each Legend Text }

    x:=Chart1.Legend.RectLegend.Left;
    x:=x + (Index div
    (PieSeries1.Count div 2))*100;

    y:=Chart1.Legend.RectLegend.Top;
    y:=y + (Index mod
    (PieSeries1.Count div 2))*30;

    if (Index mod 2)=1 then X:=X+20;
    x:=x+20;
    XColor:=X-15;
  end;
end;

<-----> procedure
TLegendXYForm.RadioGroup1Clic

```

```

Berneda }
{ All rights reserved }
{*****}
*****}
unit loglab;
{$P-}

interface

{ This form shows how custom Axis
labels can be specified }
{ The Chart.OnGetNextAxisLabel
event is used to supply the axis with
custom label positions and values. }

uses
  WinProcs, WinTypes, Messages,
  SysUtils, Classes, Graphics,
  Controls, Forms, Dialogs,
  ExtCtrls, TeeProcs, TeEngine,
  Chart, Series, StdCtrls, Buttons;

type
  TLogLabelsForm = class(TForm)
    Chart1: TChart;
    Series1: TFastLineSeries;
    Panel1: TPanel;
    BitBtn2: TBitBtn;
    Memo1: TMemo;
    <-----> procedure
    FormCreate(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

implementation

{$R *.dfm}

<-----> procedure
TLogLabelsForm.FormCreate(Sender: TObject);
begin
  { Axis settings }

  Chart1.BottomAxis.Logarithmic:=True;
    
```

```

DataSource2: TDataSource;
DBGrid2: TDBGrid;
Table2OrderNo: TFloatField;
Table2CustNo: TFloatField;
Table2SaleDate: TDateTimeField;
Table2AmountPaid:
TCurrencyField;
Table1CustNo: TFloatField;
Table1Company: TStringField;
Table1City: TStringField;
Table1State: TStringField;
Table1Country: TStringField;
AreaSeries1: TAreaSeries;
BitBtn1: TBitBtn;

<-----> procedure
DataSource1DataChange(Sender:
TObject; Field: TField);
private
  { Private declarations }
public
  { Public declarations }
end;

implementation

{$R *.dfm}

<-----> procedure
TLinkedTablesForm.DataSource1D
ataChange(Sender: TObject;
Field: TField);
begin { force dbchart to refresh ! }

DBChart1.CheckDataSource(AreaS
eries1);
end;

end.

/////////////////////////////////////////////////////////////////

26
{*****}
*****}
{ TeeChart Delphi Component
Library }
{ Logarithmic Labels Demo
}
{ Copyright (c) 1996-2001 by David
    
```

```

Forms, Dialogs, Teengine, Series,
ExtCtrls, Chart, StdCtrls,
Buttons, TeeProcs;

type
TMetafileForm = class(TForm)
  Chart1: TChart;
  Image1: TImage;
  BarSeries1: TBarSeries;
  Panel1: TPanel;
  Panel2: TPanel;
  SaveDialog1: TSaveDialog;
  BitBtn2: TBitBtn;
  BitBtn3: TBitBtn;
  BitBtn4: TBitBtn;
  <-----> procedure
FormCreate(Sender: TObject);
  <-----> procedure
BitBtn3Click(Sender: TObject);
  <-----> procedure
BitBtn2Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

implementation

{$R *.dfm}
uses Clipbrd;

<-----> procedure
TMetafileForm.FormCreate(Sender:
TObject);
begin
  BarSeries1.FillSampleValues(8); {
<-- some sample random bars }
end;

{ This code copies Chart contents
onto Windows Clipboard in Metafile
Format }
<-----> procedure
TMetafileForm.BitBtn3Click(Sender
: TObject);
begin
  { TeeClipWhenMetafiling:=True; {
<--- FORCE CLIPPING WITH
    
```

```

Chart1.BottomAxis.TickOnLabelsO
nly:=True;
  Chart1.BottomAxis.SetMinMax(
10.0, 1000);

Chart1.LeftAxis.Logarithmic:=True
;

Chart1.LeftAxis.TickOnLabelsOnly:
= True;
  Chart1.LeftAxis.SetMinMax( 10.0,
1000);

{ adding XY values to Series1 }
Series1.XValues.DateTime:=False;
Series1.AddXY( 100, 100, ",
clTeeColor );
Series1.AddXY( 500, 200, ",
clTeeColor );
Series1.AddXY( 800, 300, ",
clTeeColor );
Series1.AddXY( 200, 200, ",
clTeeColor );
end;

end.

////////////////////////////////////
27
{*****
*****}
{ TeeChart Delphi Component
Library }
{ Metafile *.WMF Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit umetafil;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
    
```

```

Rect( 0,0, round(21{cm}*37.8),
round(10{cm}*37.8));
*)
{ ( this equals to 96 * 21 / 2.54 , 96 *
10 /2.54 ) }

{ now it's loaded HERE ! }

Image1.Picture.LoadFromFile(Save
Dialog1.FileName);
Image1.Refresh;
end;
end;

end.
////////////////////////////////////
28
{*****
*****}
{ TeeChart. Mini-Charts Example
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All Rights Reserved }
{*****
*****}
unit umain;

interface

{ This project show some very small
mini-charts and some animation }
{ That mini-charts could be useful as
small data-monitors in your forms,
or reports }
uses
SysUtils, WinTypes, WinProcs,
Messages, Classes, Graphics,
Controls,
Forms, Dialogs, Chart, Series,
ExtCtrls, Teengine, TeeProcs;

type
TMiniForm = class(TForm)
LineSeries1: TLineSeries;
Panel1: TPanel;
Panel2: TPanel;
Chart1: TChart;
Chart2: TChart;

```

```

METAFILES }
{ CLIPPING WORKS FINE BUT
DO NOT ALLOW MOVEABLE
OR RESIZEABLE METAFILES }

Chart1.CopyToClipboardMetafile(T
rue); { <--- Enhanced Metafile =
True }

ShowMessage('Chart1 is now at
Windows Clipboard in Metafile
format.'+#13+
'and will now be pasted
HERE !');
{ Now PASTE! }
Image1.Picture.Assign(ClipBoard);
Image1.Refresh;
end;

{ This button asks a filename and
saves the Chart }
<-----> procedure
TMetafileForm.BitBtn2Click(Sender
: TObject);
begin
if SaveDialog1.Execute then { <--
ask for a filename first }
begin
{ SAVE IT !! }

{ CLIPPING WORKS FINE BUT
DO NOT ALLOW MOVEABLE
OR RESIZEABLE METAFILES }
{ TO FORCE CLIPPING WITH
METAFILES UNCOMMENT THIS
LINE: }
{ TeeClipWhenMetafiling:=True;
}

Chart1.SaveToMetafile(SaveDialog1
.FileName);

{ THIS METHOD CAN BE USED
TOO: }
(*
Chart1.SaveToMetafileRect(
SaveDialog1.FileName,

```

AreaSeries1.FillSampleValues(NumPoints);	Chart3: TChart;
LineSeries2.FillSampleValues(NumPoints);	Chart4: TChart;
BarSeries1.FillSampleValues(6);	PieSeries1: TPieSeries;
LineSeries3.FillSampleValues(NumPoints);	AreaSeries1: TAreaSeries;
end;	LineSeries2: TLineSeries;
<-----> procedure TMiniForm.FormResize(Sender: TObject);	BarSeries1: TBarSeries;
begin	LineSeries3: TLineSeries;
{ Equally resize the panels to center charts }	Timer1: TTimer;
Chart2.Height:=ClientHeight div 2;	<-----> procedure FormCreate(Sender: TObject);
Chart3.Height:=ClientHeight div 2;	<-----> procedure FormResize(Sender: TObject);
Panel1.Width:=ClientWidth div 2;	<-----> procedure Timer1Timer(Sender: TObject);
end;	<-----> procedure LineSeries2AfterDrawValues(Sender: TObject);
<-----> procedure TMiniForm.Timer1Timer(Sender: TObject);	<-----> procedure LineSeries3AfterDrawValues(Sender: TObject);
{ This <-----> procedure changes the Series values every second }	private
<-----> procedure RefreshMonitorChart(Chart: TChart; Var PosChart: Longint);	{ Private declarations }
var t: Longint;	public
LastValueWas: Double;	{ Public declarations }
Begin	PosChart1, PosChart4: Longint; { used to draw vertical lines over charts }
Inc(PosChart);	end;
if PosChart >= NumPoints then PosChart:=0;	implementation
for t:=0 to Chart.SeriesCount-1 do Begin	{ \$R *.dfm }
if PosChart=0 then Begin	Const NumPoints=30;
With Chart do { reset scales at the end of monitoring. }	<-----> procedure TMiniForm.FormCreate(Sender: TObject);
Begin	begin
LeftAxis.Automatic:=True;	PosChart1:=-1; { starting position of vertical divider }
LeftAxis.SetMinMax(MinYValue(LeftAxis), MaxYValue(LeftAxis));	PosChart4:=NumPoints div 2;
end;	{ Generate some random points ... }
	LineSeries1.FillSampleValues(NumPoints);
	PieSeries1.FillSampleValues(8);

```

if PosChart1>=0 then
With Chart1,Canvas do
Begin
    Pen.Color:=clRed;
    DoVertLine(
    Series[0].CalcXPos(PosChart1), { x
    }
        ChartRect.Top+1,
    { initial Y }
        ChartRect.Bottom-1
    { ending Y }
    );
end;
end;

<-----> procedure
TMiniForm.LineSeries3AfterDrawV
alues(Sender: TObject);
begin
    { this event draws the blue divider
in Chart4 }
if PosChart4>=0 then
With Chart4,Canvas do
Begin
    Pen.Color:=clBlue;
    DoVertLine(
    Series[0].CalcXPos(PosChart4), { x
    }
        ChartRect.Top+1,
    { initial Y }
        ChartRect.Bottom-1
    { ending Y }
    );
end;
end;
end.

////////////////////////////////////
29

{*****
*****}

{ TeeChart Delphi Component
Library }
{ Overlayed Bars Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
    
```

```

LastValueWas:=Chart.Series[t].YV
alues.Last;
end
else
LastValueWas:=Chart.Series[t].YV
alue[PosChart-1];

    { change the value for a new
random one }

    Chart.Series[t].YValue[PosChart]:=
LastValueWas+Random(ChartSam
plesMax)-

    (ChartSamplesMax div 2);
end;
end;

var tmpPos:Longint;
begin

RefreshMonitorChart(Chart1,PosC
hart1); { refresh chart1 }

RefreshMonitorChart(Chart4,PosC
hart4); { refresh chart4 }

With PieSeries1 do
RotationAngle:=(RotationAngle+1)
mod 359; { rotate pie }

    { change Bar Series values }
With BarSeries1 do
Begin
    tmpPos:=Random(Count);

    YValue[tmpPos]:=YValue[tmpPos]*
(80.0+Random(40))/100.0;
end;
end;

<-----> procedure
TMiniForm.LineSeries2AfterDrawV
alues(Sender: TObject);
begin
    { this event draws the red divider in
Chart1 }
    
```


AC.&P

```

SpinEdit1Change(Sender: TObject);
<-----> procedure
SpinEdit2Change(Sender: TObject);
<-----> procedure
CBPatternsClick(Sender: TObject);
<-----> procedure
BarSeries3Click(Sender:
TChartSeries; ValueIndex: Integer;
Button: TMouseButton; Shift:
TShiftState; X, Y: Integer);
private
{ Private declarations }
public
{ Public declarations }
<-----> procedure
ChangeOverBars;
end;

var
OverBarForm: TOverBarForm;

implementation
{$R *.dfm}

<-----> procedure
TOverBarForm.FormCreate(Sender
: TObject);
var t:Longint;
begin
{ lets fill the 3 Bar Series with some
random data }
{ Series3 has the biggest values,
while Series1 has the smaller values
}
With BarSeries3 do
begin
Clear;
for t:=1 to 10 do Add(
100+Random(30),',', clTeeColor);
end;
With BarSeries2 do
begin
Clear;
for t:=1 to 10 do Add(
50+Random(10),',', clTeeColor);
end;
With BarSeries1 do
begin

```

```

{ All rights reserved
}
{*****
*****}
unit uoverbar;

interface

{ This form shows 3 bar series in a
overlaid layout.
Each Bar Series has a different
BarWidthPercent.
The order Series are drawn is the
most important thing. See below.
}
uses
SysUtils, WinTypes, WinProcs,
Messages, Classes, Graphics,
Controls,
Forms, Dialogs, Chart, Series,
ExtCtrls, Teeengine, StdCtrls, Spin,
Buttons, TeeProcs;

type
TOverBarForm = class(TForm)
Chart1: TChart;
BarSeries1: TBarSeries;
BarSeries2: TBarSeries;
BarSeries3: TBarSeries;
Panel1: TPanel;
Memo1: TMemo;
BitBtn3: TBitBtn;
Label1: TLabel;
SpinEdit1: TSpinEdit;
Label2: TLabel;
SpinEdit2: TSpinEdit;
CBPatterns: TCheckBox;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
BarSeries2Click(Sender:
TChartSeries; ValueIndex: Integer;
Button: TMouseButton; Shift:
TShiftState; X, Y: Integer);
<-----> procedure
BarSeries1Click(Sender:
TChartSeries; ValueIndex: Integer;
Button: TMouseButton; Shift:
TShiftState; X, Y: Integer);
<-----> procedure

```

AC.&P

TOverBarForm.SpinEdit1Change(Sender: TObject);	Clear;
begin	for t:=1 to 10 do Add(
ChangeOverBars;	20+Random(10), '', clTeeColor);
end;	end;
	ChangeOverBars;
	end;
<-----> procedure	<-----> procedure
TOverBarForm.SpinEdit2Change(Sender: TObject);	TOverBarForm.BarSeries2Click(Se
begin { increase / decrease the 3	nder: TChartSeries; ValueIndex:
Series OffsetPercent property }	Integer;
{ This will make partially overlay }	Button: TMouseButton; Shift:
	TShiftState; X, Y: Integer);
BarSeries3.OffsetPercent:=SpinEdit	begin
2.Value;	Showmessage('You clicked the Red
	Bar at point #:
BarSeries1.OffsetPercent:=SpinEdit	'+inttostr(Valueindex));
2.Value-	end;
Round(SpinEdit2.Value*55.0/100.0);	
	<-----> procedure
BarSeries2.OffsetPercent:=SpinEdit	TOverBarForm.BarSeries1Click(Se
2.Value-	nder: TChartSeries; ValueIndex:
Round(SpinEdit2.Value*35.0/100.0);	Integer;
end;	Button: TMouseButton; Shift:
	TShiftState; X, Y: Integer);
	begin
<-----> procedure	Showmessage('You clicked the
TOverBarForm.CBPatternsClick(Se	Green Bar at point #:
nder: TObject);	'+inttostr(Valueindex));
begin	end;
if CBPatterns.Checked then	
begin	<-----> procedure
	TOverBarForm.ChangeOverBars;
BarSeries1.BarBrush.Style:=bsFDia	begin { compress / expand the
gonal;	overlayed space between bars }
BarSeries2.BarBrush.Style:=bsBDia	BarSeries3.BarWidthPercent:=Spin
gonal;	Edit1.Value;
BarSeries3.BarBrush.Style:=bsDiag	BarSeries1.BarWidthPercent:=Spin
Cross;	Edit1.Value-
Chart1.BackColor:=clWhite;	Round(SpinEdit1.Value*55.0/100.0);
end	
else	
begin	BarSeries2.BarWidthPercent:=Spin
	Edit1.Value-
BarSeries1.BarBrush.Style:=bsSolid	Round(SpinEdit1.Value*35.0/100.0);
;	end;
BarSeries2.BarBrush.Style:=bsSolid	<-----> procedure

Chart1.UndoZoom; { show the current page number and the total number of pages } { (like a report) }	<-----> procedure BLastPageClick(Sender: TObject); private { Private declarations } public { Public declarations } end;
Label1.Caption:=IntToStr(Chart1.P age)+'/'+IntToStr(Chart1.NumPages); { enable or disable buttons }	var PagesForm: TPagesForm;
ButtonPrevious.Enabled:=Chart1.Pa ge > 1;	implementation
ButtonNext.Enabled:=Chart1.Page < Chart1.NumPages;	{ \$R *.dfm }
BLastPage.Enabled:=ButtonNext.En abled;	<-----> procedure TPagesForm.FormCreate(Sender: TObject); begin
BFirstPage.Enabled:=ButtonPreviou s.Enabled;	LineSeries1.FillSampleValues(100); { <-- some random points }
end;	BubbleSeries1.FillSampleValues(100); SpinEdit1.Value:=18; { <-- max number of points per page }
<-----> procedure TPagesForm.ButtonPreviousClick(S ender: TObject); begin	Chart1.PageChange(Chart1); { <-- repaint page / number of pages }
Chart1.PreviousPage; { <-- goto previous chart page }	end;
end;	<-----> procedure TPagesForm.SpinEdit1Change(Send er: TObject); begin
<-----> procedure TPagesForm.ButtonNextClick(Send er: TObject); begin	{ change the max number of points per page }
Chart1.NextPage; { <-- goto next chart page }	{ a value of Zero means "No pages. Show all points" }
end;	Chart1.MaxPointsPerPage:=SpinEdi t1.Value;
<-----> procedure TPagesForm.CheckBox1Click(Sende r: TObject); begin	Chart1.PageChange(Chart1); { <-- repaint page / number of pages }
Chart1.ScaleLastPage:=CheckBox1. Checked; { <-- only for last page }	end;
end;	<-----> procedure TPagesForm.Chart1PageChange(Se nder: TObject); begin
<-----> procedure TPagesForm.BFirstPageClick(Sende	

AC.&P

```

BitBtn3: TBitBtn;
CheckBox4: TCheckBox;
Shape1: TShape;
RadioGroup1: TRadioGroup;
CheckBox5: TCheckBox;
CheckBox6: TCheckBox;
RadioGroup2: TRadioGroup;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
CheckBox1Click(Sender: TObject);
<-----> procedure
Timer1Timer(Sender: TObject);
<-----> procedure
CheckBox2Click(Sender: TObject);
<-----> procedure
CheckBox3Click(Sender: TObject);
<-----> procedure
PieSeries1Click(Sender:
TChartSeries; ValueIndex: Integer;
Button: TMouseButton; Shift:
TShiftState; X, Y: Integer);
<-----> procedure
CheckBox4Click(Sender: TObject);
<-----> procedure
Chart1MouseMove(Sender:
TObject; Shift: TShiftState; X,
Y: Integer);
<-----> procedure
RadioGroup1Click(Sender:
TObject);
<-----> procedure
CheckBox5Click(Sender: TObject);
<-----> procedure
CheckBox6Click(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
tmpX,tmpY:Longint;
end;

implementation

{$R *.dfm}
Uses UDemUtil;

<-----> procedure
TPieForm.FormCreate(Sender:

```

```

r: TObject);
begin
Chart1.Page:=1; { go to first page }
end;

<-----> procedure
TPagesForm.BLastPageClick(Sender:
TObject);
begin
Chart1.Page:=Chart1.NumPages;
{ go to last page }
end;

end.

////////////////////////////////////
31
{*****
*****}
{ TeeChart Delphi Component
Library }
{ Pie Series Type Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit pie;

interface

uses
SysUtils, WinTypes, WinProcs,
Messages, Classes, Graphics,
Controls,
Forms, Dialogs, Chart, Series,
ExtCtrls, StdCtrls, Teengine,
Buttons, teeprocs;

type
TPieForm = class(TForm)
Chart1: TChart;
Panel1: TPanel;
CheckBox1: TCheckBox;
Timer1: TTimer;
PieSeries1: TPieSeries;
CheckBox2: TCheckBox;
CheckBox3: TCheckBox;

```

XRRadius+tmpX>Chart1.ChartWidth div 3 then tmpX:=-tmpX;	TObject);
end	begin
else if XRRadius+tmpX<30 then tmpX:=-tmpX;	tmpX:=-4;
CustomXRRadius:=XRRadius+tmpX;	tmpY:=-3;
	PieSeries1.FillSampleValues(8); { <-- Some random points }
if tmpY>0 then	Chart1.Gradient.Visible:=Chart1.IsScreenHighColor;
Begin	if Chart1.Gradient.Visible then
if	Chart1.Title.Font.Color:=clWhite
YRadius+tmpY>Chart1.ChartHeight div 3 then tmpY:=-tmpY;	else
end	Chart1.Title.Font.Color:=clBlue;
else	CheckBox6.Checked:=Chart1.Gradient.Visible;
if YRadius+tmpY<30 then tmpY:=-tmpY;	end;
CustomYRadius:=YRadius+tmpY;	
end;	<-----> procedure
{ Change Marks.Font.Color randomly }	TPieForm.CheckBox1Click(Sender: TObject);
{ if Random(100)<4 then	begin
With PieSeries1.Marks do	Timer1.Enabled:=CheckBox1.Checked; { <-- animation on/off }
Begin	CheckBox3.Enabled:=not Timer1.Enabled;
Repeat	if not Timer1.Enabled then
BackColor:=ColorPalette[1+Random(MaxDefaultColors)];	Begin
Font.Color:=ColorPalette[1+Random(MaxDefaultColors)];	PieSeries1.CustomXRRadius:=0;
Until BackColor<>Font.Color;	PieSeries1.CustomYRadius:=0;
Arrow.Color:=ColorPalette[1+Random(MaxDefaultColors)];	end;
end;	end;
{ Change Legend positioning Randomly }	<-----> procedure
if Random(100)<4 then	TPieForm.Timer1Timer(Sender: TObject);
RadioGroup1.ItemIndex:=Random(RadioGroup1.Items.Count);	begin
end;	{ increase pie rotation angle to get animation }
	PieSeries1.Rotate(5);
	{ change X and Y radius to get animation }
	With PieSeries1 do
	Begin
	if tmpX>0 then
<-----> procedure	Begin
TPieForm.CheckBox2Click(Sender:	if

AC.&P

```

begin
  tmp:=PieSeries1.Clicked(x,y);
  if tmp=-1 then
  Shape1.Visible:=False
  else
  begin
    Shape1.Visible:=True;

  Shape1.Brush.Color:=PieSeries1.ValueColor[tmp];
  end;
end;

<-----> procedure
TPieForm.RadioGroup1Click(Sender: TObject);
begin
  Chart1.Legend.Alignment:=TLegendAlignment(RadioGroup1.ItemIndex);
end;

<-----> procedure
TPieForm.CheckBox5Click(Sender: TObject);
begin
  PieSeries1.Marks.Visible:=CheckBox5.Checked;
end;

<-----> procedure
TPieForm.CheckBox6Click(Sender: TObject);
begin
  Chart1.Gradient.Visible:=CheckBox6.Checked;
end;
end.

/////////////////////////////////////////////////////////////////
33
{*****
*****}
{ TeeChart Delphi Component
Library      }
    
```

```

TObject);
begin
  Chart1.View3d:=CheckBox2.Checked; { <-- 3d on / off }
end;

<-----> procedure
TPieForm.CheckBox3Click(Sender: TObject);
begin
  PieSeries1.Circled:=CheckBox3.Checked; { <-- circled / elliptic pie }
end;

<-----> procedure
TPieForm.PieSeries1Click(Sender: TChartSeries;
  ValueIndex: Integer; Button: TMouseButton; Shift: TShiftState;
  X,
  Y: Integer);
begin
  { On Clicked Pie, let the user
  change the clicked pie color }
  With PieSeries1 do
    ValueColor[ValueIndex]:=EditColor(Self, ValueColor[ValueIndex]);
  end;

<-----> procedure
TPieForm.CheckBox4Click(Sender: TObject);
begin
  PieSeries1.UsePatterns:=CheckBox4.Checked;
  if PieSeries1.UsePatterns then
  PieSeries1.CircleBackColor:=clWhite;
end;

<-----> procedure
TPieForm.Chart1MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
var tmp:Longint;
    
```

AC.&P

```

<-----> procedure
TPrintForm.FormCreate(Sender:
TObject);
begin
  LineSeries1.FillSampleValues(30);
  { <-- we need some random values }
end;

<-----> procedure
TPrintForm.BitBtn1Click(Sender:
TObject);
var h,w:longint;
begin
  Screen.Cursor := crHourGlass; { <-
- nice detail }
  try
    Printer.BeginDoc;    { <-- start
printer job }
    try
      { now print some text on
printer.canvas }
      With Printer.Canvas do
        begin
          Font.Name:='Arial';
          Font.Size:=10;      { <-- set
the font size }
          Font.Style:=[];
          TextOut(0,0,Edit1.Text); { <--
print some text }
        end;

        h:=Printer.PageHeight; { <-- get
page height }
        w:=Printer.PageWidth; { <-- get
page width }

        { And now print the chart
component... }
        Chart1.PrintPartial( Rect( w
div 10,      { <-- left margin }
                        h div 3 ,      {
<-- top margin }
                        w - (w div 10),
{ <-- right margin }
                        h - (h div 10) ));
{ <-- bottom margin }

        { print more text.... }
    
```

```

{ Mixed Text and Chart Print Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit uprint;

{ This example shows how to print
both Text and Chart in the SAME
PAGE }

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, StdCtrls, Buttons,
  Chart, Series, ExtCtrls, Teengine,
  TeeProcs;

type
  TPrintForm = class(TForm)
    Chart1: TChart;
    LineSeries1: TLineSeries;
    BitBtn1: TBitBtn;
    Edit1: TEdit;
    BitBtn2: TBitBtn;
    Label1: TLabel;
  <-----> procedure
  FormCreate(Sender: TObject);
  <-----> procedure
  BitBtn1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  PrintForm: TPrintForm;

implementation

{$R *.dfm}
uses printers;
    
```


AC.&P

```
Series, ExtCtrls, Chart, TeeProcs;

type
  TScrollBarForm = class(TForm)
    Chart1: TChart;
    LineSeries1: TLineSeries;
    ScrollBar2: TScrollBar;
    ScrollBar1: TScrollBar;
    <-----> procedure
    ScrollBar1Change(Sender:
    TObject);
    <-----> procedure
    FormCreate(Sender: TObject);
    <-----> procedure
    ScrollBar2Change(Sender:
    TObject);
    <-----> procedure
    Chart1Scroll(Sender: TObject);
    <-----> procedure
    Chart1Zoom(Sender: TObject);
    <-----> procedure
    Chart1UndoZoom(Sender:
    TObject);
    <-----> procedure
    Chart1Resize(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
    ChangingBars:Boolean;
    <-----> procedure
    CalcScrollBarPos;
  end;

implementation
  {$R *.dfm}

<-----> procedure
  TScrollBarForm.ScrollBar1Change(
  Sender: TObject);
var Difer:Double;
begin
  if not ChangingBars then
  With Chart1.BottomAxis do
  Begin
    Difer:=Maximum-Minimum;
  Maximum:=Chart1.MaxXValue(Ch
```

```
With Printer.Canvas do
begin
  Font.Name:='Arial';
  Font.Size:=12; { <-- set
the font size }
  Font.Style:=[fsItalic];
  TextOut(0,60,Edit1.Text+'
...again'); { <-- print some text }
end;

Printer.EndDoc; { <-- end job
and print !! }
except
  on Exception do { just in case an
error happens... }
  Begin
    Printer.Abort;
    Printer.EndDoc;
    Raise; { <-- raise up the
exception !!! }
  end;
end;
finally
  Screen.Cursor:=crDefault; { <--
restore cursor }
end;
end;

////////////////////
34
{*****}
{ TeeChart }
{ Scroll Bars Example }
{ Copyright (c) 1995-2001 by David
Berneda }
{ All Rights Reserved }
{*****}
unit uscrollb;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, StdCtrls, Teengine,
```

AC.&P

Round(100.0*(BottomAxis.Minimum-MinXValue(BottomAxis))/Difer);
end;
if LeftAxis.Automatic then
 ScrollBar2.Enabled:=False
else
 Begin
 ScrollBar2.Enabled:=True;
 Difer:=MaxYValue(LeftAxis)-MinYValue(LeftAxis);
 if Difer>0 then
 ScrollBar2.Position:=
 Round(100.0*(LeftAxis.Minimum-MinYValue(LeftAxis))/Difer);
 end;
 end;
 ChangingBars:=False;
End;
<-----> procedure
TScrollBarForm.Chart1Scroll(Sender: TObject);
begin
 CalcScrollBarPos;
end;
<-----> procedure
TScrollBarForm.Chart1Zoom(Sender: TObject);
begin
 CalcScrollBarPos;
end;
<-----> procedure
TScrollBarForm.Chart1UndoZoom(Sender: TObject);
begin
 CalcScrollBarPos;
end;
<-----> procedure
TScrollBarForm.Chart1Resize(Sender: TObject);
begin
 ScrollBar1.Left:=0;
 ScrollBar1.Top:=Chart1.Height-ScrollBar1.Height;

art1.BottomAxis)-
ScrollBar1.Position*Difer/100.0;
 Minimum:=Maximum-Difer;
end;
end;
<-----> procedure
TScrollBarForm.FormCreate(Sender: TObject);
begin
 LineSeries1.FillSampleValues(1000);
 Chart1.ZoomPercent(115);
 CalcScrollBarPos;
end;
<-----> procedure
TScrollBarForm.ScrollBar2Change(Sender: TObject);
Var Difer:Double;
begin
 if not ChangingBars then
 With Chart1.LeftAxis do
 Begin
 Difer:=Maximum-Minimum;
 Minimum:=Chart1.MinYValue(Chart1.LeftAxis)+ScrollBar2.Position*Difer/100.0;
 Maximum:=Minimum+Difer;
 end;
 end;
<-----> procedure
TScrollBarForm.CalcScrollBarPos;
Var Difer:Double;
Begin
 ChangingBars:=True;
 With Chart1 do
 Begin
 if BottomAxis.Automatic then
 ScrollBar1.Enabled:=False
 else
 Begin
 ScrollBar1.Enabled:=True;
 Difer:=MaxXValue(BottomAxis)-MinXValue(BottomAxis);
 if Difer>0 then
 ScrollBar1.Position:=

AC.&P

```

{ fill the LineSeries with some
random data }
LineSeries1.Clear; { <-- this
removes all points from LineSeries1
}

{ let's add 60 minutes from 12:00 to
12:59 }
for t:= 0 to 59 do
    AddPoint( EncodeTime( 12, t,
0,0),Random(100),clRed );

{ let's add 60 more minutes from
13:00 to 13:59 }
for t:= 0 to 59 do
    AddPoint( EncodeTime( 13, t,
0,0),Random(100),clRed);
end;

<-----> procedure
TScrollForm.Button1Click(Sender:
TObject);
var h,m,s,msec:word;
begin
if CBVertical.Checked then { if
VERTICAL SCROLL.... }
    DecodeTime(
LineSeries1.YValues.Last , h, m, s,
msec)
else
    DecodeTime(
LineSeries1.XValues.Last , h, m, s,
msec);

{ add a new random point to the
Series (one more minute) }
inc(m);
if m=60 then
begin
m:=0;
inc(h);
end;
AddPoint( EncodeTime( h, m, s,
msec), Random(100), clYellow );
end;

<-----> procedure
TScrollForm.CBVerticalClick(Sende
r: TObject);
    
```

```

end
else
begin
    With Sender.GetHorizAxis do {
<-- with the Horizontal Axis... }
        Begin
            Automatic := False; { <-- we
dont want automatic scaling }

            { In this example, we will set the
Axis Minimum and Maximum
values to
            show One Hour of data ending
at last point Time plus 5 minutes
            }
            Minimum := 0;
            Maximum :=
Sender.XValues.MaxValue +
DateTimeStep[ dtFiveMinutes ];
            Minimum := Maximum -
DateTimeStep[ dtOneHour ];
            end;
        End;
    end;

<-----> procedure
TScrollForm.AddPoint(Const
x,y:Double; AColor:TColor);
begin
if CBVertical.Checked then { If
VERTICAL SCROLL }
    LineSeries1.AddXY(y,x,"AColor)
else
    LineSeries1.AddXY(x,y,"AColor);
end;

<-----> procedure
TScrollForm.FormCreate(Sender:
TObject);
begin
    FillDemoPoints;
end;

<-----> procedure
TScrollForm.FillDemoPoints;
var t:Longint;
begin
    
```

AC.&P

```

ExtCtrls;

type
TSeriesForm = class(TForm)
  GroupBox1: TGroupBox;
  BitBtn4: TBitBtn;
  BitBtn5: TBitBtn;
  BitBtn6: TBitBtn;
  BitBtn7: TBitBtn;
  GroupBox3: TGroupBox;
  BitBtn9: TBitBtn;
  BitBtn10: TBitBtn;
  BitBtn11: TBitBtn;
  BStacked: TBitBtn;
  BFastLine: TBitBtn;
  BitBtn14: TBitBtn;
  BArrowSeries: TBitBtn;
  BitBtn1: TBitBtn;
  BStackedAreas: TBitBtn;
  BitBtn21: TBitBtn;
  Label1: TLabel;
  Label2: TLabel;
  Label3: TLabel;
  Label4: TLabel;
  Label5: TLabel;
  Label6: TLabel;
  Label7: TLabel;
  Label8: TLabel;
  Label9: TLabel;
  Panel1: TPanel;
  Panel2: TPanel;
  Label10: TLabel;
  Label11: TLabel;
  Label12: TLabel;
  Label13: TLabel;
  Label14: TLabel;
  <-----> procedure
  BitBtn4Click(Sender: TObject);
  <-----> procedure
  BitBtn5Click(Sender: TObject);
  <-----> procedure
  BitBtn6Click(Sender: TObject);
  <-----> procedure
  BitBtn7Click(Sender: TObject);
  <-----> procedure
  BitBtn9Click(Sender: TObject);
  <-----> procedure
  BitBtn10Click(Sender: TObject);
    
```

```

begin
  With LineSeries1 do
  if CBVertical.Checked then { If
  VERTICAL SCROLL }
  begin
  YValues.Order:=loAscending;
  XValues.Order:=loNone;
  end
  else
  begin
  XValues.Order:=loAscending;
  YValues.Order:=loNone;
  end;
  Chart1.LeftAxis.Automatic:=True;
  { <-- this makes axis scales
  AUTOMATIC AGAIN ! }

  Chart1.BottomAxis.Automatic:=True;
  { <-- this makes axis scales
  AUTOMATIC AGAIN ! }
  FillDemoPoints; { <-- fill sample
  values again ! }
  end;

end.

////////////////////////////////////
36

{*****
*****}

{ TeeChart Delphi Component
Library }

{ Main Form Demo
}

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Berneda }

{ All rights reserved }

{*****
*****}

unit udemocha;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, Buttons, StdCtrls,
    
```

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Free;	<-----> procedure
end;	BitBtn11Click(Sender: TObject);
End;	<-----> procedure
	FormCreate(Sender: TObject);
<-----> procedure	<-----> procedure
TSeriesForm.BitBtn4Click(Sender: TObject);	BStackedClick(Sender: TObject);
begin	<-----> procedure
ShowForm(TBasicForm);	BFastLineClick(Sender: TObject);
end;	<-----> procedure
	BitBtn14Click(Sender: TObject);
<-----> procedure	<-----> procedure
TSeriesForm.BitBtn5Click(Sender: TObject);	BArrowSeriesClick(Sender: TObject);
begin	<-----> procedure
ShowForm(TPieForm);	BStackedAreasClick(Sender: TObject);
end;	<-----> procedure
	BitBtn21Click(Sender: TObject);
<-----> procedure	private
TSeriesForm.BitBtn6Click(Sender: TObject);	{ Private declarations }
begin	public
ShowForm(TBubbleForm);	{ Public declarations }
end;	<-----> procedure
	ShowForm(AFormClass:TFormClasses);
<-----> procedure	end;
TSeriesForm.BitBtn7Click(Sender: TObject);	
begin	implementation
ShowForm(TGanttForm);	
end;	{ \$R *.dfm }
	Uses
<-----> procedure ShowNeedsBDE;	Pie,Bubble,Gantt,Basic,UStack,UFast,
Begin	UArrows,StackAre,UHighLo
ShowMessage('Needs the Borland Database Engine.'+#13+#10+'Please email to get the full TeeChart DEMO.');	{ \$IFDEF NODB }
end;	,TablePie,SQLBars,Linked,UDBHorizontal
	{ \$ENDIF }
<-----> procedure	;
TSeriesForm.BitBtn9Click(Sender: TObject);	
begin	<-----> procedure
{ \$IFDEF NODB }	TSeriesForm.ShowForm(AFormClass:TFormClass);
ShowForm(TTablePieForm);	Begin
{ \$ELSE }	With AFormClass.Create(Self) do
ShowNeedsBDE;	try
{ \$ENDIF }	ShowModal;
	finally

AC.&P

TSeriesForm.BFastLineClick(Sender: TObject);	end;
begin	
ShowForm(TFastLineForm);	<-----> procedure
end;	TSeriesForm.BitBtn10Click(Sender: TObject);
	begin
<-----> procedure	{SIFNDEF NODB}
TSeriesForm.BitBtn14Click(Sender: TObject);	ShowForm(TSQLBarsForm);
begin	{ELSE}
{SIFNDEF NODB}	ShowNeedsBDE;
ShowForm(TDBHorizBarForm);	{SENDIF}
{ELSE}	end;
ShowNeedsBDE;	
{SENDIF}	<-----> procedure
end;	TSeriesForm.BitBtn11Click(Sender: TObject);
	begin
<-----> procedure	{SIFNDEF NODB}
TSeriesForm.BARrowSeriesClick(Sender: TObject);	ShowForm(TLinkedTablesForm);
begin	{ELSE}
ShowForm(TArrowsForm);	ShowNeedsBDE;
end;	{SENDIF}
	end;
<-----> procedure	
TSeriesForm.BStackedAreasClick(Sender: TObject);	<-----> procedure
begin	TSeriesForm.FormCreate(Sender: TObject);
ShowForm(TAreasForm);	begin
end;	if Screen.Width<800 then
	ShowMessage('Warning:
<-----> procedure	'+#13+#10+
TSeriesForm.BitBtn21Click(Sender: TObject);	'This Demo is best viewed
begin	with a Screen'+#13+#10+
ShowForm(THighLowForm);	'resolution of 800x600 or
end;	greater,'+#13+#10+
	'and a Color Depth of 256
end.	or greater.'+#13+#10+
////////////////////////////////////	'16K Colors is also better
37	than 256 Colors.');
{*****}	end;
{*****}	
{ TeeChart. TChart Component	<-----> procedure
}	TSeriesForm.BStackedClick(Sender: TObject);
{ Copyright (c) 1995-2001 by David Berneda }	begin
{ All Rights Reserved }	ShowForm(TStackedForm);
{*****}	end;
	<-----> procedure

AC.&P

DataSource1: TDataSource;	Y1:= 120;
Panel1: TPanel;	end;
BitBtn1: TBitBtn;	end;
BarSeries1: TBarSeries;	
Query1: TQuery;	<-----> procedure
Panel2: TPanel;	TShapesForm.ChartShape3Click(Se
Memo1: TMemo;	nder: TChartSeries;
BitBtn2: TBitBtn;	ValueIndex: Integer; Button:
ComboBox1: TComboBox;	TMouseButton; Shift: TShiftState;
Label1: TLabel;	X,
CBRandomBar: TCheckBox;	Y: Integer);
Panel3: TPanel;	begin
DBGrid1: TDBGrid;	ShowMessage('You clicked the
Label2: TLabel;	ChartShape3 (Rectangle)');
<-----> procedure	end;
BitBtn2Click(Sender: TObject);	
<-----> procedure	end.
ComboBox1Change(Sender:	////////////////////////////////////
TObject);	////////////////////////////////////
<-----> procedure	
FormCreate(Sender: TObject);	38
<-----> procedure	
DBChart1ClickLegend(Sender:	{*****
TCustomChart;	*****}
Button: TMouseButton; Shift:	{ TeeChart Delphi Component
TShiftState; X, Y: Integer);	Library }
<-----> procedure	{ SQL Query Chart Demo
BarSeries1Click(Sender:	}
TChartSeries; ValueIndex: Integer;	{ Copyright (c) 1995-2001 by David
Button: TMouseButton; Shift:	Berneda }
TShiftState; X, Y: Integer);	{ All rights reserved }
<-----> procedure	{*****
BarSeries1GetBarStyle(Sender:	*****}
TCustomBarSeries;	unit sqlbars;
ValueIndex: Longint; var	
TheBarStyle: TBarStyle);	interface
<-----> procedure	
CBRandomBarClick(Sender:	uses
TObject);	SysUtils, WinTypes, WinProcs,
private	Messages, Classes, Graphics,
{ Private declarations }	Controls,
public	Forms, Dialogs, StdCtrls, Buttons,
{ Public declarations }	ExtCtrls, Grids, DBGrids, DB,
end;	DBTables, Chart, Series, DbChart,
	Teengine, TeeProcs;
implementation	
	type
{SR *.dfm}	TSQLBarsForm = class(TForm)
Uses UDemUtil;	DBChart1: TDBChart;

```

nder: TChartSeries;
ValueIndex: Integer; Button:
TMouseButton; Shift: TShiftState;
X,
Y: Integer);
begin
With BarSeries1 do
ValueColor[ValueIndex]:=EditColor
(Self,ValueColor[ValueIndex]);
end;

<-----> procedure
TSQLBarsForm.BarSeries1GetBarS
tyle(Sender: TCustomBarSeries;
ValueIndex: Longint; var
TheBarStyle: TBarStyle);
begin
if CBRandomBar.Checked then
TheBarStyle:=TBarStyle(Random(1
+Ord(High(TBarStyle))));
end;

<-----> procedure
TSQLBarsForm.CBRandomBarClic
k(Sender: TObject);
begin
ComboBox1.Enabled:=not
CBRandomBar.Checked;
DBChart1.Repaint;
end;

end.
////////////////////////////////////
38
{*****}
{ TeeChart Delphi Component
Library }
{ Stacked Bar Series Example
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****}
unit ustack;

```

```

<-----> procedure
TSQLBarsForm.BitBtn2Click(Sende
r: TObject);
begin { rerun the SQL query }
Screen.Cursor:=crHourGlass;
try
Query1.Close;
Query1.Sql:=Memo1.Lines;
Query1.Open;
finally
Screen.Cursor:=crDefault;
end;
end;

<-----> procedure
TSQLBarsForm.ComboBox1Chang
e(Sender: TObject);
begin
if BarSeries1 is TCustomBarSeries
then
BarSeries1.BarStyle:=TBarStyle(Co
mboBox1.ItemIndex); { <-- change
bar style }
end;

<-----> procedure
TSQLBarsForm.FormCreate(Sende
r: TObject);
begin
ComboBox1.ItemIndex:=Ord(BarSe
ries1.BarStyle); { <-- set combobox1
}
end;

<-----> procedure
TSQLBarsForm.DBChart1ClickLeg
end(Sender: TCustomChart;
Button: TMouseButton; Shift:
TShiftState; X, Y: Integer);
begin
With DBChart1.Legend do
Color:=EditColor(Self,Color);
end;

<-----> procedure
TSQLBarsForm.BarSeries1Click(Se

```

AC.&P

Integer);
<-----> procedure
CheckBox2Click(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
<-----> procedure RefreshShape;
end;
implementation
{SR *.dfm}
Uses UDemUtil,tecanvas;
<-----> procedure
TStackedForm.FormCreate(Sender:
TObject);
var t:Longint;
begin
{ The Chart gradient is visible only
with 16k Colors or greater video
mode }
Chart1.Gradient.Visible:=Chart1.Is
ScreenHighColor;
{ Add some random points to the
three bar Series }
Randomize;
with BarSeries1 do
for t:=1 to 12 do Add(
Random(100),ShortMonthNames[t],
clTeeColor);
with BarSeries2 do
for t:=1 to 12 do Add(
Random(100),ShortMonthNames[t],
clTeeColor);
with BarSeries3 do
for t:=1 to 12 do Add(
Random(100),ShortMonthNames[t],
clTeeColor);
{ Fill a ComboBox with the three
Series titles }
ComboBox1.Items.Clear;
for t:=0 to Chart1.SeriesCount-1 do
ComboBox1.Items.Add(Chart1.Serie

interface
uses
SysUtils, WinTypes, WinProcs,
Messages, Classes, Graphics,
Controls,
Forms, Dialogs, Chart, Series,
ExtCtrls, StdCtrls, Teengine,
ArrowCha,
Buttons, teeprocs;
type
TStackedForm = class(TForm)
Chart1: TChart;
BarSeries1: TBarSeries;
BarSeries2: TBarSeries;
RadioGroup1: TRadioGroup;
Panel1: TPanel;
Button1: TButton;
RadioGroup2: TRadioGroup;
ComboBox1: TComboBox;
Label1: TLabel;
CheckBox1: TCheckBox;
Timer1: TTimer;
BarSeries3: TBarSeries;
Shape1: TShape;
BitBtn3: TBitBtn;
CheckBox2: TCheckBox;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
RadioGroup1Click(Sender:
TObject);
<-----> procedure
Button1Click(Sender: TObject);
<-----> procedure
ComboBox1Change(Sender:
TObject);
<-----> procedure
RadioGroup2Click(Sender:
TObject);
<-----> procedure
CheckBox1Click(Sender: TObject);
<-----> procedure
Timer1Timer(Sender: TObject);
<-----> procedure
Shape1MouseUp(Sender: TObject;
Button: TMouseButton;
Shift: TShiftState; X, Y:

marks }	s[t].Name);
SeriesDown(Series[0]);	ComboBox1.ItemIndex:=0;
{ move series 0 to back }	
Series[SeriesCount-	RefreshShape;
1].Marks.Visible:=True; { show	end;
marks again }	
end;	<-----> procedure
ComboBox1Change(Self);	TStackedForm.RefreshShape;
end;	Begin
	{ This method sets the Shape color
<-----> procedure	to the active Series color in
TStackedForm.ComboBox1Change(	Combobox }
Sender: TObject);	With
begin	Chart1.Series[ComboBox1.ItemInde
{ Change the active Bar Series }	x] do
With	Begin
Chart1.Series[ComboBox1.ItemInde	Shape1.Visible:=not
x] as TBarSeries do	ColorEachPoint;
RadioGroup2.Itemindex:=Ord(BarS	if Shape1.Visible then
tyle);	Shape1.Brush.Color:=SeriesColor;
RefreshShape;	end;
end;	end;
<-----> procedure	<-----> procedure
TStackedForm.RadioGroup2Click(S	TStackedForm.RadioGroup1Click(S
ender: TObject);	ender: TObject);
begin	begin
{ Change the active Bar Series Style	{ Four ways to plot bar Series: }
}	Case RadioGroup1.ItemIndex of
With	0:
Chart1.Series[ComboBox1.ItemInde	BarSeries1.MultiBar:=mbNone;
x] as TBarSeries do	1: BarSeries1.MultiBar:=mbSide;
BarStyle:=TBarStyle(RadioGroup2.	2:
Itemindex);	BarSeries1.MultiBar:=mbStacked;
end;	3:
	BarSeries1.MultiBar:=mbStacked10
<-----> procedure	0;
TStackedForm.CheckBox1Click(Sen	end;
der: TObject);	end;
begin	
{ Start / Stop Animation }	<-----> procedure
Timer1.Enabled:=CheckBox1.Check	TStackedForm.Button1Click(Sender
ed;	: TObject);
RadioGroup1.Enabled:=not	begin
Timer1.Enabled;	{ Scroll two Bar Series }
RadioGroup2.Enabled:=not	With Chart1 do
	Begin
	Series[SeriesCount-
	1].Marks.Visible:=False; { hide

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end;
{ this function changes randomly the Brush parameter }
<-----> procedure RandomBrush(ABrush:TBrush);
Begin
With ABrush do
Case Random(2) of
0: Color:=RandomColor(True);
1: if Random(10)<5 then Style:=TBrushStyle(Random(8));
end;
end;
{ this function changes randomly the Font parameter }
<-----> procedure RandomFont(AFont:TFont);
Begin
With AFont do
Case Random(2) of
0: Color:=RandomColor(True);
1: if Random(2)=0 then Size:=Size+1
else if Size>7 then Size:=Size-1;
end;
End;
var tmpSeries:TBarSeries;
t:Longint;
begin
{ This long.... routine..... is only a random generator for Chart and Series properties. }
Timer1.Enabled:=False; { stop timer }
{ Set all Series.Active }
for t:=0 to Chart1.SeriesCount-1 do Chart1.Series[t].Active:=True;
{ Choose a Series randomly }
tmpSeries:=Chart1.Series[Random(ComboBox1.Items.Count)] as TBarSeries;

Timer1.Enabled;
if not Timer1.Enabled then ComboBox1.Change(Self);
end;
<-----> procedure TStackedForm.Timer1Timer(Sender: TObject);
{ this function returns a random color from ColorPalette }
Function RandomColor(CheckBack:Boolean): TColor;
Begin
Repeat
result:=ColorPalette[1+Random(Ma xDefaultColors)];
Until (not CheckBack) or ((result<>Chart1.Color) and (result<>Chart1.BackColor));
end;
{ this function returns a random angle from 0, 90, 180 or 270 }
Function RandomAngle:Integer;
Begin
Case Random(4) of
0: result:=0;
1: result:=90;
2: result:=180;
else { 3: } result:=270;
end;
end;
{ this function changes randomly the Pen parameter }
<-----> procedure RandomPen(APen:TChartPen);
Begin
With APen do
if Visible then
Case Random(3) of
0: Color:=RandomColor(True);
1: Style:=TPenStyle(Random(5));
2: Width:=1+Random(3);
end;

RandomFont(Chart1.LeftAxis.Title.Font);
19:
RandomFont(Chart1.BottomAxis.Title.Font);
20:
tmpSeries.Marks.Style:=TSeriesMarksStyle(Random(9));
21: With Chart1 do
 Begin
 BevelWidth:=1+Random(10);
 MarginTop
 :=TeeDefVerticalMargin+BevelWidth;
 MarginLeft
 :=TeeDefHorizMargin+BevelWidth;
 MarginRight
 :=TeeDefHorizMargin+BevelWidth;
 MarginBottom:=TeeDefVerticalMargin+BevelWidth;
 end;
22: Chart1.Legend.Visible:=not Chart1.Legend.Visible;
23: if Random(10)<5 then
 Chart1.Legend.LegendStyle:=lsSeries
 else
 Chart1.Legend.LegendStyle:=lsValues;
24: tmpSeries.Active:=not tmpSeries.Active;
25:
tmpSeries.Marks.BackColor:=RandomColor(True);
26: tmpSeries.Marks.Visible:=not tmpSeries.Marks.Visible;
27:
RandomPen(Chart1.BottomAxis.Grid);
28:
RandomPen(Chart1.LeftAxis.Grid);
29:
Chart1.Legend.Frame.Visible:=not Chart1.Legend.Frame.Visible;
30:
RandomPen(Chart1.Legend.Frame);
31:

{ Then, lets change this chart a little.... }
Case Random(72) of
0:
RadioGroup1.ItemIndex:=Random(RadioGroup1.Items.Count);
1,2,3,4,5:
RadioGroup2.ItemIndex:=Random(RadioGroup2.Items.Count);
6: Button1Click(Self);
7:
tmpSeries.SeriesColor:=RandomColor(False);
8:
Chart1.Chart3dPercent:=5+Random(80);
9:
Chart1.BackColor:=RandomColor(False);
10: if
Chart1.Legend.Alignment=laRight then
 Chart1.Legend.Alignment:=laLeft
 else
 Chart1.Legend.Alignment:=laRight;
11:
RandomFont(Chart1.BottomAxis.LabelsFont);
12:
RandomFont(Chart1.LeftAxis.LabelsFont);
13: Chart1.View3d:=not Chart1.View3d;
14:
tmpSeries.BarWidthPercent:=50+Random(40);
15:
RandomFont(tmpSeries.Marks.Font);
16:
Chart1.BottomAxis.Grid.Visible:=not Chart1.BottomAxis.Grid.Visible;
17:
Chart1.LeftAxis.Grid.Visible:=not Chart1.LeftAxis.Grid.Visible;
18:

49: RandomBrush(tmpSeries.BarBrush);	RandomPen(tmpSeries.BarPen);
50: Chart1.Title.Frame.Visible:=not Chart1.Title.Frame.Visible;	32: tmpSeries.ColorEachPoint:=not tmpSeries.ColorEachPoint;
51: RandomPen(Chart1.Title.Frame);	33: Chart1.Title.Alignment:=TAlignment(Random(3));
52: Chart1.Foot.Frame.Visible:=not Chart1.Foot.Frame.Visible;	34: RandomFont(Chart1.Title.Font);
53: RandomPen(Chart1.Foot.Frame);	35: RandomFont(Chart1.Legend.Font);
54: Chart1.Title.AdjustFrame:=not Chart1.Title.AdjustFrame;	36: Chart1.Legend.Color:=RandomColor(False);
55: Chart1.Foot.AdjustFrame:=not Chart1.Foot.AdjustFrame;	37: Chart1.Legend.TextStyle:=TLegendTextStyle(Random(5));
56: RandomBrush(Chart1.Title.Brush);	38: Chart1.Legend.TopPos:=5+Random(90);
57: RandomBrush(Chart1.Foot.Brush);	39: RandomPen(Chart1.BottomAxis.Axis);
58: Chart1.BottomAxis.MinorTickLength:=Random(8);	40: RandomPen(Chart1.LeftAxis.Axis);
59: Chart1.LeftAxis.MinorTickLength:=Random(8);	41: RandomPen(Chart1.BottomAxis.Ticks);
60: RandomPen(Chart1.BottomAxis.MinorTicks);	42: RandomPen(Chart1.LeftAxis.Ticks);
61: RandomPen(Chart1.LeftAxis.MinorTicks);	43: RandomPen(Chart1.BottomAxis.TicksInner);
62: RandomPen(Chart1.LeftWall.Pen);	44: RandomPen(Chart1.LeftAxis.TicksInner);
63: RandomPen(Chart1.BottomWall.Pen);	45: Chart1.BottomAxis.TickLength:=Random(8);
64: Chart1.LeftWall.Color:=RandomColor(False);	46: Chart1.LeftAxis.TickLength:=Random(8);
65: Chart1.BottomWall.Color:=RandomColor(False);	47: Chart1.BottomAxis.TickInnerLength:=Random(8);
66: Chart1.LeftAxis.MinorTickCount:=1+Random(6);	48: Chart1.LeftAxis.TickInnerLength:=Random(8);

```

39
{*****}
{ TeeChart Delphi Component
Library }
{ Table Data-Aware Chart Demo
}
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****}
unit tablepie;

interface

uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, StdCtrls, Buttons,
  ExtCtrls, Grids, DBGrids, DB,
  DBTables, Chart, Series, DbChart,
  Teeengine, TeeProcs;

type
  TTablePieForm = class(TForm)
    DBChart1: TDBChart;
    PieSeries1: TPieSeries;
    Table1: TTable;
    DataSource1: TDataSource;
    DBGrid1: TDBGrid;
    Panel1: TPanel;
    Table1NAME: TStringField;
    Table1SIZE: TSmallintField;
    Table1WEIGHT: TSmallintField;
    CheckBox1: TCheckBox;
    RadioGroup1: TRadioGroup;
    BitBtn1: TBitBtn;
    <-----> procedure
    CheckBox1Click(Sender: TObject);
    <-----> procedure
    RadioGroup1Click(Sender:
    TObject);
    <-----> procedure
    PieSeries1Click(Sender:
    TChartSeries; ValueIndex: Integer;
    Button: TMouseButton; Shift:

```

```

67:
Chart1.BottomAxis.MinorTickCoun
t:=1+Random(6);
68:
Chart1.LeftAxis.Title.Angle:=Rando
mAngle;
69:
Chart1.BottomAxis.Title.Angle:=Ra
ndomAngle;
70:
Chart1.LeftAxis.LabelsAngle:=Rand
omAngle;
71:
Chart1.BottomAxis.LabelsAngle:=R
andomAngle;
end;
{ re-start timer }
Timer1.Enabled:=True;
end;

<-----> procedure
TStackedForm.Shape1MouseUp(Sen
der: TObject; Button:
TMouseButton;
Shift: TShiftState; X, Y: Integer);
begin
  { Run the Color dialog to change
  Series color }
  With
  Chart1.Series[ComboBox1.ItemInde
x] do
    SeriesColor:=EditColor(Self, SeriesC
olor);
    RefreshShape;
  end;

<-----> procedure
TStackedForm.CheckBox2Click(Sen
der: TObject);
begin
  { Turn on / off Chart 3D }

  Chart1.View3D:=CheckBox2.Check
ed;
end;

end.
/////////////////////////////////////////////////////////////////

```



```

Y: Integer);
Const CarriageReturn=#13#10;
begin
  { On Clicked Pie, show the user the
  pie data }
  With PieSeries1 do
    ShowMessage( XLabel[ValueIndex]
+ CarriageReturn+
MarkPercent(ValueIndex,True) );
end;
end.
//////////
40
{*****
*****}
{ TeeChart Delphi Component
Library 3.0 }
{ Demo }
{ Copyright (c) 1995-2001 by David
Berneda }
{ All rights reserved }
{*****
*****}
unit teemain;
interface
uses
  SysUtils, WinTypes, WinProcs,
  Messages, Classes, Graphics,
  Controls,
  Forms, Dialogs, ExtCtrls,
  TeEngine, Series, TeeProcs, Chart,
  StdCtrls,
  TeeFunci;
type
  TTeeMainForm = class(TForm)
    Panel1: TPanel;
    Button1: TButton;
    Image1: TImage;
    Timer1: TTimer;
    Button2: TButton;
    Button3: TButton;
    Button4: TButton;
    Button6: TButton;
    Chart2: TChart;

```

```

TShiftState; X, Y: Integer);
private
  { Private declarations }
public
  { Public declarations }
end;
implementation
  {$R *.dfm}
<-----> procedure
  TTablePieForm.CheckBox1Click(Se
  nder: TObject);
begin
  Table1.Active:=CheckBox1.Checked
  ; { <-- open / close the table }
end;
<-----> procedure
  TTablePieForm.RadioGroup1Click(
  Sender: TObject);
begin
  { change the Pie value source (the
  table field name) }
  Case RadioGroup1.ItemIndex of
    0:
    PieSeries1.PieValues.ValueSource:='
    Size';
    1:
    PieSeries1.PieValues.ValueSource:='
    Weight';
  end;
  { change the Chart Foot text to
  display the current table Field }
  DBChart1.Foot.Text[1]:='PieValueS
  ource:=Table1'+
  PieSeries1.PieValues.ValueSource;
end;
<-----> procedure
  TTablePieForm.PieSeries1Click(Sen
  der: TChartSeries;
  ValueIndex: Integer; Button:
  TMouseButton; Shift: TShiftState;
  X,

```

Button4Click(Sender: TObject);
<-----> procedure
Button6Click(Sender: TObject);
<-----> procedure
Label3Click(Sender: TObject);
private
{ Private declarations }
DeltaZoom:Integer;
public
{ Public declarations }
<-----> procedure
ShowForm(FormClass:
TFormClass);
end;
var
TeeMainForm: TTeeMainForm;
implementation
{SR *.dfm}
Uses TeeAbout, TeeBasic, Features,
UDemoCha, Specs, ShellAPI;
<-----> procedure
TTeeMainForm.ShowForm(FormCl
ass: TFormClass);
begin
Timer1.Enabled:=False;
Timer2.Enabled:=False;
With FormClass.Create(Self) do
try
ShowModal;
finally
Free;
end;
Timer2.Enabled:=True;
Timer1.Enabled:=True;
end;
<-----> procedure
TTeeMainForm.FormCreate(Sender
: TObject);
begin
TeeEraseBack:=False;
PieSeries6.FillSampleValues(5);
PieSeries9.FillSampleValues(5);
PieSeries7.FillSampleValues(5);

FastLineSeries1: TFastLineSeries;
FastLineSeries2: TFastLineSeries;
Timer2: TTimer;
Label11: TLabel;
Label12: TLabel;
Panel2: TPanel;
Chart1: TChart;
Series1: TPieSeries;
Chart7: TChart;
PieSeries6: TPieSeries;
Chart8: TChart;
PieSeries7: TPieSeries;
Chart9: TChart;
PieSeries8: TPieSeries;
Chart10: TChart;
PieSeries9: TPieSeries;
Label13: TLabel;
Label15: TLabel;
Label16: TLabel;
Label2: TLabel;
Panel3: TPanel;
Label1: TLabel;
Label9: TLabel;
Label3: TLabel;
<-----> procedure
FormCreate(Sender: TObject);
<-----> procedure
Timer1Timer(Sender: TObject);
<-----> procedure
Button1Click(Sender: TObject);
<-----> procedure
Timer2Timer(Sender: TObject);
<-----> procedure
Button2Click(Sender: TObject);
<-----> procedure
Chart2MouseUp(Sender: TObject;
Button: TMouseButton;
Shift: TShiftState; X, Y:
Integer);
<-----> procedure
Chart2MouseDown(Sender:
TObject; Button: TMouseButton;
Shift: TShiftState; X, Y:
Integer);
<-----> procedure
Label10Click(Sender: TObject);
<-----> procedure
Button3Click(Sender: TObject);
<-----> procedure

T TeeMainForm.Timer2Timer(Sender: TObject);
var tmpX:Double;
begin
With FastLineSeries1 do
begin
tmpX:=XValues[1]-XValues[0];
Delete(0);
AddXY(XValues.Last+tmpX,Random(100),'',clTeeColor);
end;
With FastLineSeries2 do
begin
tmpX:=XValues[1]-XValues[0];
Delete(0);
AddXY(XValues.Last+tmpX,Random(100),'',clTeeColor);
end;
end;
<-----> procedure
T TeeMainForm.Button2Click(Sender: TObject);
begin
ShowForm(TDemoForm);
end;
<-----> procedure
T TeeMainForm.Chart2MouseUp(Sender: TObject; Button: TMouseButton;
Shift: TShiftState; X, Y: Integer);
begin
Label10Click(Self);
end;
<-----> procedure
T TeeMainForm.Chart2MouseDown(Sender: TObject;
Button: TMouseButton; Shift: TShiftState; X, Y: Integer);
begin
Chart2.BevelOuter:=bvLowered;
end;
<-----> procedure
T TeeMainForm.Label10Click(Sende

Series1.FillSampleValues(5);
PieSeries8.CheckDataSource;
FastLineSeries1.FillSampleValues(20);
FastLineSeries2.FillSampleValues(20);
DeltaZoom:=5;
end;
<-----> procedure
T TeeMainForm.Timer1Timer(Sender: TObject);
var tmp:Integer;
begin
PieSeries6.Rotate(5);
PieSeries7.Rotate(5);
PieSeries9.Rotate(5);
Series1.Rotate(355);
PieSeries8.Rotate(355);
With Chart9.View3DOptions do
begin
Zoom:=Zoom-DeltaZoom;
if (Zoom<60) or (Zoom>110) then
DeltaZoom:=-DeltaZoom;
end;
With PieSeries8 do
begin
tmp:=Random(Count);
if ExplodedSlice[tmp]>20 then
ExplodedSlice[tmp]:=ExplodedSlice[tmp]-1
else
ExplodedSlice[tmp]:=ExplodedSlice[tmp]+1;
end;
end;
<-----> procedure
T TeeMainForm.Button1Click(Sender: TObject);
begin
Close;
end;
<-----> procedure

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```

r: TObject);
begin
  ShowForm(TTeeAboutForm);
  Chart2.BevelOuter:=bvRaised;
end;

<-----> procedure
TTeeMainForm.Button3Click(Sender: TObject);
begin
  ShowForm(TFeaturesForm);
end;

<-----> procedure
TTeeMainForm.Button4Click(Sender: TObject);
begin
  ShowForm(TChartSpecs);
end;

<-----> procedure
TTeeMainForm.Button6Click(Sender: TObject);
begin
  ShowForm(TSeriesForm);
end;

<-----> procedure
TTeeMainForm.Label3Click(Sender: TObject);
Var St:Array[0..255] of char;
begin
  Timer1.Enabled:=False;
  Timer2.Enabled:=False;

  ShellExecute(0,'open',StrPCopy(St,'
http://'+Label3.Caption+
'/products/teechart/delphi6'),nil,nil,S
W_SHOW);
end;

end.
////////////////////////////////////
////////////////////////////////////
The end
ALAA EDDIN LUBBAD
00963944575371

```