

```
1: unit CustomerDataBasel;
2:
3: interface
4:
5: uses
6:   Winapi.Windows, Winapi.Messages, System.SysUtils, System.Variants, System.Classes, Vcl.Graphics,
7:   Vcl.Controls, Vcl.Forms, Vcl.Dialogs, Vcl.StdCtrls, Vcl.DBCtrls, Vcl.Mask;
8:
9: type
10:   TCustomerDataBaseForm = class(TForm)
11:     Label1: TLabel;
12:     CustomerSearchEdit: TEdit;
13:     CustomerSearchbtn: TButton;
14:     Homebtn: TButton;
15:     EditCustomerbtn: TButton;
16:     DContactNameChoice: TDBLookupComboBox;
17:     procedure HomebtnClick(Sender: TObject);
18:     procedure EditCustomerbtnClick(Sender: TObject);
19:     procedure FormClose(Sender: TObject; var Action: TCloseAction);
20:     procedure CustomerSearchbtnClick(Sender: TObject);
21:
22:   private
23:     { Private declarations }
24:   public
25:     { Public declarations }
26:   end;
27:
28: var
29:   CustomerDataBaseForm: TCustomerDataBaseForm;
30:
31: implementation
32:
33: {$R *.dfm}
34:
35: uses Home, CustomerDetailsEditPage, DMain, TestData;
36:
37: procedure TCustomerDataBaseForm.CustomerSearchbtnClick(Sender: TObject);
38:   { Searches the database for the customers that meet the parameter that has been entered by the user. }
39: begin
40:   with DMain.DataMain.CustomerSet do
41:     begin
42:       Close;
43:       { Data Set must be closed before changing the command text parameter. }
44:       CommandText := 'SELECT * FROM Customers WHERE ContactName Like "%'+CustomerSearchEdit.text+'%";
45:       open; { Opening the Data Set will run the new Command Text and return the records that meet the query. }
46:       ShowMessage('Search Complete'); { A message box to let the user know the query has been run and a customer found. }
47:     end;
48:
49:   end;
50:
```

```
51: procedure TCustomerDataBaseForm.EditCustomerbtnClick(Sender: TObject);
52:   { Opens the form where the user can then edit the selected customers details.}
53: begin
54:   EditDetailsForm.Visible:= True;
55:   CustomerDataBaseForm.Visible:=False;
56: end;
57:
58: procedure TCustomerDataBaseForm.FormClose(Sender: TObject;
59:   var Action: TCloseAction);
60:   { Closes the program currente form and the 'Main' form so that the whole program is terminated. }
61: begin
62:   HomeForm.Close;
63:   EditDetailsForm.Close;
64: end;
65:
66: procedure TCustomerDataBaseForm.HomebtnClick(Sender: TObject);
67:   { Closes the current form and makes the 'Main' form visible again so that the user can carry out a new task. }
68: begin
69:   CustomerDataBaseForm.Visible:= False;
70:   HomeForm.Visible:= True;
71: end;
72:
73: end.
```