Public Class ~~Form1~~

Public ~~IDKey~~ As Long

Private Sub ~~Form1~~\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Try

Dim dbconnect As New OleDb.OleDbConnection

Dim command As New OleDb.OleDbCommand

Dim ~~ContactDetailstable~~ As New Data.DataTable

dbconnect.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source= C:\Users\Student\Desktop\~~PhoneBook~~.mdb ;user id = ; password = ;"

dbconnect.Open()

command.Connection = dbconnect

command.CommandText = "SELECT ~~\*~~ FROM ~~ContactDetails~~"

~~ContactDetailstable~~.Load(command.ExecuteReader())

dbconnect.Close()

DataGridView1.DataSource = ~~ContactDetailstable~~

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

Private Sub btnInsert\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnInsert.Click

Try

Dim dbconnect As New OleDb.OleDbConnection

Dim command As New OleDb.OleDbCommand

Dim ContactDetailstable As New Data.DataTable

dbconnect.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source= C:\Users\Student\Desktop\~~PhoneBook~~.mdb ;user id = ; password = ;"

dbconnect.Open()

command.Connection = dbconnect

command.CommandText = "INSERT INTO ContactDetails (~~Name, Surname, CellNumber ) VALUES (@Name, @Surname, @CellNumber~~)"

Dim paramName = New OleDb.OleDbParameter("~~@Name~~", txtName.Text)

Dim paramSurname = New OleDb.OleDbParameter("~~@Surname~~", txtSurname.Text)

Dim paramCellNumber = New OleDb.OleDbParameter("~~@CellNumber~~", txtCellnumber.Text)

command.Parameters.Add(param~~Name~~)

command.Parameters.Add(param~~Surname~~)

command.Parameters.Add(param~~CellNumber~~)

command.ExecuteNonQuery()

dbconnect.Close()

Catch ex As Exception

MessageBox.Show(ex.ToString())

End Try

End Sub

Private Sub btnUpdate\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnUpdate.Click

Try

Dim dbconnect As New OleDb.OleDbConnection

Dim command As New OleDb.OleDbCommand

Dim ContactDetailstable As New Data.DataTable

dbconnect.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source= C:\Users\Student\Desktop\~~PhoneBook~~.mdb ;user id = ; password = ;"

dbconnect.Open()

command.Connection = dbconnect

command.CommandText = "UPDATE ~~ContactDetails~~ SET ~~Name=@Name, Surname=@Surname, CellNumber=@CellNumber~~ WHERE ~~ID = @id~~"

Dim param~~Name~~ = New OleDb.OleDbParameter("@Name", txt~~Name~~.Text)

Dim param~~Surname~~ = New OleDb.OleDbParameter("@~~Surname~~", txt~~Surname~~.Text)

Dim param~~CellNumber~~ = New OleDb.OleDbParameter("@~~CellNumber~~", txt~~Cellnumber~~.Text)

command.Parameters.Add(param~~Name~~)

command.Parameters.Add(param~~Surname~~)

command.Parameters.Add(param~~CellNumber~~)

command.ExecuteNonQuery()

dbconnect.Close()

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

Private Sub btnSearch\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSearch.Click

Try

Dim dbconnect As New OleDb.OleDbConnection

Dim command As New OleDb.OleDbCommand

Dim ContactDetailstable As New Data.DataTable

dbconnect.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source= C:\Users\Student\Desktop\~~PhoneBook~~.mdb ;user id = ; password = ;"

dbconnect.Open()

command.Connection = dbconnect

command.CommandText = "SELECT ~~\*~~ FROM ~~ContactDetails~~ WHERE ~~name=@name~~"

Dim param~~Name~~ = New OleDb.OleDbParameter("@~~Name~~", txt~~Name~~.Text)

command.Parameters.Add(param~~Name~~)

~~ContactDetailstable~~.Load(command.ExecuteReader())

dbconnect.Close()

If ~~ContactDetailstable~~.Rows.Count = 0 Then

MessageBox.Show("~~No Contact found, Re-enter~~")

ElseIf ContactDetailstable.Rows.Count = 1 Then

txt~~Name~~.Text = ContactDetailstable.Rows(0)("~~Name~~")

txt~~Surname~~.Text = ContactDetailstable.Rows(0)("~~Surname~~")

txt~~Cellnumber~~.Text = ~~ContactDetailstable~~.Rows(0)("~~cellNumber~~")

End If

Catch ex As Exception

MsgBox(ex.ToString())

End Try

End Sub

Private Sub ~~btnViewAll~~\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles ~~btnViewAll~~.Click

Try

Dim dbconnect As New OleDb.OleDbConnection

Dim command As New OleDb.OleDbCommand

Dim ~~ContactDetailstable~~ As New Data.DataTable

dbconnect.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source= C:\Users\Student\Desktop\~~PhoneBook~~.mdb ;user id = ; password = ;"

dbconnect.Open()

command.Connection = dbconnect

command.CommandText = "SELECT ~~\*~~ FROM ~~ContactDetails~~"

~~ContactDetailstable~~.Load(command.ExecuteReader())

dbconnect.Close()

DataGridView1.DataSource = ~~ContactDetailstable~~

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

Private Sub ~~btnDelete~~\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDelete.Click

Try

Dim dbconnect As New OleDb.OleDbConnection

Dim command As New OleDb.OleDbCommand

Dim ~~ContactDetailstable~~ As New Data.DataTable

dbconnect.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source= C:\Users\Student\Desktop\~~PhoneBook~~.mdb ;user id = ; password = ;"

dbconnect.Open()

command.Connection = dbconnect

command.CommandText = "DELETE FROM ~~ContactDetails~~ WHERE ~~Name=@Name, Surname=@Surname, CellNumber=@CellNumber~~"

Dim paramName = New OleDb.OleDbParameter("@Name", DataGridView1.CurrentRow.Cells("~~Name~~").Value)

command.Parameters.Add(paramName)

command.ExecuteNonQuery()

dbconnect.Close()

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

Private Sub updGrid()

Try

~~'Create the conection object~~

Dim dbconnect As New OleDb.OleDbConnection

~~'Create the command object~~

Dim command As New OleDb.OleDbCommand

~~'Create a table object to hold the selected data for the grid~~

Dim ContactDetailstable As New Data.DataTable

~~'set the connection string~~

dbconnect.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source= C:\Users\Student\Desktop\~~PhoneBook~~.mdb ;user id = ; password = ;"

~~'Call the open method~~

dbconnect.Open()

~~'initialise the connection property to the command object~~

command.Connection = dbconnect

~~'Create the SQL query to retrieve all the records from contactdetails table~~

command.CommandText = "SELECT ~~\*~~ FROM ~~ContactDetails~~"

~~'Put the retrieved data into the table~~

ContactDetailstable.Load(command.ExecuteReader())

~~'Close the db connection~~

dbconnect.Close()

~~'Link the retrieved data table to the datagridview~~

DataGridView1.DataSource = ContactDetailstable

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

End Class