**Tips on Final Project for IS 260**

1. Change the labels according to your own database. For example if I have database for Students that have the following fields ID, Firstname, Lastname, Gender, Birthdate, Major etc then that should be the label and the textboxes would be textID, textGender, textFirstname, textLastname etc.



1. Change therefore your textboxes in your PopulateControls procedure like one below again according to the fields of your database. For example if you have textID.text then change it to textID.text and the name of the field in your database is ID then change it to .Rows(indexRecord).Item("ID").ToString

Private Sub PopulateControls()

 textCompany.Text = dtaTable.Rows(indexRecord).Item("Company").ToString

 textFirstname.Text = dtaTable.Rows(indexRecord).Item("First name").ToString

 textLastname.Text = dtaTable.Rows(indexRecord).Item("Last name").ToString

 textEmail.Text = dtaTable.Rows(indexRecord).Item("E-mail Address").ToString

 textPhone.Text = dtaTable.Rows(indexRecord).Item("Business Phone").ToString

 recordStatus = "Update"

End Sub

1. Change the name of the table inside PrepareAdapter procedure. For example if the name of the table in your database is Students then it would like this SELECT \* FROM Students instead of

SELECT \* FROM Customers

 Private Sub PrepareAdapter()

 dtaAdapter.SelectCommand = New OleDbCommand("SELECT \* FROM Customers", connection)

 cmdBuilder = New OleDbCommandBuilder(dtaAdapter)

 End Sub

1. Change the name of the database and its location in OpenConnection procedure. For example if the name of your database is Enrollment.accdb then change it from Northwind.accdb to Enrollment.accdb and if the location is in your drive E:\Project then change it also.

Private Sub OpenConnection()

 LocationDB = "Northwind.accdb"

 connectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=" & LocationDB & ";Persist Security Info=False;"

 connection = New OleDbConnection(connectionString)

 Try

 connection.Open()

 ' MsgBox("Connection Successfull!!!", MsgBoxStyle.Information)

 connection.Close()

 Catch ex As Exception

 MsgBox(ex.Message)

 End Try

 End Sub

1. Just like what you did in No. 2 change the textboxes accordingly and make it empty just like below by putting = “”

 Private Sub ClearFields()

 textFirstname.Text = ""

 textLastname.Text = ""

 textCompany.Text = ""

 textEmail.Text = ""

 textPhone.Text = ""

 End Sub

1. Change the UpdateRecord procedure by changing the textboxes again accordingly that match your form and also change the field names that match to your fields on your Table from MS Access. Now, if you are using all the fields from your table remove the line that belongs to **updSQL** and **dtaAdapter.UpdateCommand** and also delete the Dim updSQL as String line.

Private Sub UpdateRecord()

 Dim dtaRow As DataRow

 Dim updSQL As String

 updSQL = "UPDATE Customers SET Company = '" & textCompany.Text & "', [Last Name] = '" & textLastname.Text & "'," & \_

 " [First Name] = '" & textFirstname.Text & "',[E-mail Address] = '" & textEmail.Text & "',[Business Phone] = '" & textPhone.Text & "' WHERE ID = " & dtaSet.Tables(0).Rows(indexRecord).Item("ID")

 dtaAdapter.UpdateCommand = New OleDbCommand(updSQL, connection)

 dtaRow = dtaSet.Tables(0).Rows(indexRecord)

 dtaRow.BeginEdit()

 dtaRow("Last name") = textLastname.Text

 dtaRow("First name") = textFirstname.Text

 dtaRow("E-mail Address") = textEmail.Text

 dtaRow("Business Phone") = textPhone.Text

 dtaRow("Company") = textCompany.Text

 dtaRow.EndEdit()

 End Sub

1. Change the InsertRecord procedure. Just like what you did with UpdateRecord change the field names and textboxes accordingly. And again if you are using all the fields from your Table delete or remove the lines that starts with **insSQL** and **dtaAdapter.InsertCommand** and as well as remove the Dim insSQL as String line.

Private Sub InsertRecord()

 Dim newRow As DataRow

 Dim insSQL As String

 insSQL = "INSERT INTO Customers (Company,[Last Name],[First Name],[E-mail Address],[Business Phone]) VALUES (" & \_

 "'" & textCompany.Text & "','" & textLastname.Text & "','" & textFirstname.Text & "','" & textEmail.Text & "','" & textEmail.Text & "')"

 dtaAdapter.InsertCommand = New OleDbCommand(insSQL, connection)

 newRow = dtaTable.NewRow

 newRow("Last name") = textLastname.Text

 newRow("First name") = textFirstname.Text

 newRow("E-mail Address") = textEmail.Text

 newRow("Business Phone") = textPhone.Text

 newRow("Company") = textCompany.Text

 dtaTable.Rows.Add(newRow)

 numRecords = dtaTable.Rows.Count

 indexRecord = dtaTable.Rows.Count - 1

 PopulateControls()

 End Sub

1. Change the DeleteRecord procedure by changing the Table name same as your table name. And use the Primary key as the way to delete the record in my example it was the ID that I used to delete a record.

 Dim dtaRow As DataRow

 Dim delsql As String

 delsql = "DELETE FROM Customers WHERE ID = " & dtaTable.Rows(indexRecord).Item("ID")

 dtaAdapter.DeleteCommand = New OleDbCommand(delsql, connection)

 dtaRow = dtaSet.Tables(0).Rows(indexRecord)

 dtaRow.Delete()

 If (indexRecord <> -1) Then

 indexRecord -= 1

 End If

 dtaAdapter.Update(dtaSet)

 PopulateControls()

 End Sub