'Goto First Record code

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

If (numRecords > 0) Then

indexRecord = 0

PopulateControls()

End If

End Sub

'Goto Previous Record code

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

If (numRecords > 0 And indexRecord > 0) Then

indexRecord = indexRecord - 1

PopulateControls()

Else

If (indexRecord = 0) Then

MsgBox("First record is already displayed!", MsgBoxStyle.Information, "First record")

End If

End If

End Sub

'Goto Next Record code

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

If (numRecords > 0 And indexRecord < (numRecords - 1)) Then

indexRecord = indexRecord + 1

PopulateControls()

Else

If (indexRecord = (numRecords - 1)) Then

MsgBox("Last record is already displayed!", MsgBoxStyle.Information, "Last record")

End If

End If

End Sub

'Goto Last Record code

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

If (numRecords > 0) Then

indexRecord = numRecords - 1

PopulateControls()

End If

End Sub

'Closing the Application

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

Me.Close()

End Sub

'Clicking Inserting New Record button

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

ClearFields()

ToolButtonUndo.Enabled = True

recordStatus = "Insert"

UpdateStatusBar("Adding New Record\*")

End Sub

'Clear the Fields for New Record

Private Sub ClearFields()

txtFirstname.Text = ""

txtLastname.Text = ""

txtAlias.Text = ""

dtpBirthdate.Text = Now()

txtEmail.Text = ""

End Sub

'Saving Record whether just Updating existing record or Adding new record

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

ToolButtonSave.Enabled = False

Select Case recordStatus

Case "Update"

UpdateRecord()

Case "Insert"

InsertRecord()

End Select

dtaAdapter.Update(dtaSet)

MsgBox("Record is successfully Saved!!!", MsgBoxStyle.Information)

End Sub

'Actual Code for Updating Record

Private Sub UpdateRecord()

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("Lastname") = txtLastname.Text

dtaRow("Firstname") = txtFirstname.Text

dtaRow("Alias") = txtAlias.Text

dtaRow("Birthdate") = dtpBirthdate.Value

dtaRow("Email") = txtEmail.Text

dtaRow.EndEdit()

End Sub

'Actual Code for Inserting New Record

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("Lastname") = txtLastname.Text

newRow("Firstname") = txtFirstname.Text

newRow("Alias") = txtAlias.Text

newRow("Birthdate") = dtpBirthdate.Value

newRow("Email") = txtEmail.Text

dtaTable.Rows.Add(newRow)

indexRecord = dtaTable.Rows.Count - 1

PopulateControls()

End Sub

'Actual Code for Deleting Record

Private Sub DeleteRecord()

Dim dtaRow As DataRow

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

dtaRow.Delete()

If (indexRecord <> -1) Then

indexRecord -= 1

End If

dtaAdapter.Update(dtaSet)

PopulateControls()

End Sub

'Clicking the Delete Button Code

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

If (MsgBox("Are you sure you want to Delete this Record", MsgBoxStyle.YesNo, "Delete") = MsgBoxResult.Yes) Then

DeleteRecord()

End If

End Sub