

Lab 05 Code File

Customer Registration Page with handler

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Registration.aspx.vb"
Inherits="Registration" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">

    <title>Registration Page</title>

<style>

body{
    font-family: Arial;
    background: grey;
}

.container{
    width:420px;
    margin:60px 300px;
    background:white;
    padding:50px;
    border-radius:6px;
}

input, textarea{
    width:100%;
    padding:8px;
    margin-top:4px;
}

</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">

            <h2 ">New Customer Registration</h2>

            Customer ID:
            <asp:TextBox ID="customerIdTB" runat="server" CssClass="asp"/><br />

            <asp:Label ID="lable1" runat="server" Text="Username" />
            <asp:TextBox ID="nameTB" runat="server" /> <br /> <br />
            <asp:Label ID="lblAddress" runat="server" Text="Address:" />
            <asp:TextBox ID="addressTB" runat="server" /><br /><br />

            <asp:Label ID="lblCity" runat="server" Text="City:" />

        </div>
    </form>
</body>
</html>
```

```

        <asp:TextBox ID="cityTB" runat="server" /><br /><br />

        <asp:Label ID="lblState" runat="server" Text="State:" />
        <asp:TextBox ID="stateTB" runat="server" /><br /><br />

        <asp:Label ID="lblPostal" runat="server" Text="Postal Code:" />
        <asp:TextBox ID="postalTB" runat="server" /><br /><br />

        <asp:Button ID="btnRegister" runat="server" Text="Register"
OnClick="btnRegister_Click" />
        <br /><br />
        <asp:Label ID="textLabel" runat="server" />

    </div>
</form>
</body>
</html>

```

Code Behind

```

Imports System.Data.SqlClient
Imports System.Data
Imports System.ServiceModel.Channels
Partial Class Registration
    Inherits System.Web.UI.Page

    Protected Sub btnRegister_Click(sender As Object, e As EventArgs) Handles
btnRegister.Click
        Dim conStr As String
        conStr = "Data Source=FurnitureDB.mssql.somee.com; Initial
Catalog=FurnitureDB; User id=aftabmehti514_SQLLogin_1;
Password=2czuxl4oz4;TrustServerCertificate=True;"
        Dim conn As New SqlConnection
        conn.ConnectionString = conStr
        Dim cmd As SqlCommand = New SqlCommand
        cmd.Connection = conn

        cmd.CommandText = " INSERT INTO Customer_t "
        cmd.CommandText &= " (Customer_id, Customer_Name, Customer_Address,
Customer_City, Customer_State, Postal_Code) "
        cmd.CommandText &= " VALUES ('" & customerIdTB.Text & "', '" & nameTB.Text &
"', '" & addressTB.Text & "', '" & cityTB.Text & "', '" & stateTB.Text & "', '" &
postalTB.Text & "') "
        Dim updated As Integer = 0

        Try
            conn.Open()
            updated = cmd.ExecuteNonQuery()
        Catch ex As Exception

            textLabel.Text = "Registration Failed Duplicate Id or other problem!"
        Finally
            cmd.Dispose()
            conn.Close()
            textLabel.Text = "Registered Successfully"
        End Try
    End Sub
End Class

```

End Try

End Sub

End Class

Update CustomerData

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="UpdateCustomerData.aspx.vb"  
Inherits="UpdateCustomerData" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">  
<head runat="server">  
  <title>Update Customer Data Page</title>  
  <style>
```

```
    body{  
      background-color:grey;  
      font-family:Arial;  
    }
```

```
.container{  
  width:420px;  
  margin:60px 300px;  
  background:white;  
  padding:50px;  
  border-radius:6px;  
}
```

```
input{  
  width:100%;  
  padding:8px;  
  margin-top:5px;  
}
```

```
.btn{  
  width:100%;  
  padding:10px;  
  margin-top:15px;  
}
```

```

</style>

</head>
<body>
    <form id="form1" runat="server">
        <div class="container">

<h2>Update Customer Data</h2>

Customer ID:
<asp:textbox ID="idTextBox" runat="server"></asp:textbox> <br />
User Name:
<asp:TextBox ID="userNameTextBox" runat="server"></asp:TextBox> <br />
Address:
<asp:TextBox ID="addressTextBox" runat="server"></asp:TextBox>
<br />

City:
<asp:TextBox ID="txtCity" runat="server"></asp:TextBox>
<br />

State:
<asp:TextBox ID="txtState" runat="server"></asp:TextBox>
<br />

Postal Code:
<asp:TextBox ID="txtPostal" runat="server"></asp:TextBox>
<br /><br />

                <asp:button ID="btnUpdate" runat="server" Text="Update"
OnClick="btnUpdate_click" cssclass="btn" />

                <br /><br />

                <asp:Label ID="Label1" runat="server"></asp:Label>

        </div>
    </form>
</body>
</html>

```

Code Behind

```
Imports System.Data.SqlClient
```

```
Partial Class UpdateCustomerData
    Inherits System.Web.UI.Page
```

```
Private conStr As String = "Data Source=FurnitureDB.mssql.somee.com; Initial
Catalog=FurnitureDB; User id=aftabmehdi514_SQLLogin_1;
Password=2czuxl4oz4;TrustServerCertificate=True;"
```

```
Protected Sub btnUpdate_Click(sender As Object, e As EventArgs) Handles
btnUpdate.Click
    'firts let connect db
    Dim conn As New SqlConnection(conStr)
    Dim cmd As New SqlCommand
    cmd.Connection = conn
    'making querey
    Dim query As String = "UPDATE Customer_t SET "

    'HERE WE WILL IMPLEMENT LOGIC SO THAT ONLY INTENDED FIELDS ARE UPDATED
    If userNameTextBox.Text <> "" Then
        query &= "Customer_Name='" & userNameTextBox.Text & "',"

    End If
    If addressTextBox.Text <> "" Then
        query &= "Customer_Address='" & addressTextBox.Text & "',"

    End If
    If txtCity.Text <> "" Then
        query &= "Customer_City='" & txtCity.Text & "',"
    End If

    If txtState.Text <> "" Then
        query &= "Customer_State='" & txtState.Text & "',"
    End If

    If txtPostal.Text <> "" Then
        query &= "Postal_Code='" & txtPostal.Text & "',"
    End If

    ' but we need to remove the last comma causing failed querey!
    query = query.TrimEnd(",")

    ' checkign if user actually changed someting
    If query = "UPDATE Customer_t SET " Then
        Label1.Text = "Please enter at least one field to update"
        Exit Sub
    End If

    query &= " WHERE Customer_Id=" & idTextBox.Text

    cmd.CommandText = query
    Try
        conn.Open()
        Dim updated As Integer = cmd.ExecuteNonQuery()
        If updated >= 1 Then
            Label1.Text = "Customer updated successfully"
        Else
            Label1.Text = "Customer not found"
        End If
    Catch ex As Exception
        Label1.Text = ex.Message
    Finally
```

```
        conn.Close()  
    End Try
```

```
End Sub  
End Class
```

ProductCatalogue Update

```
<%@ Page Language="VB" AutoEventWireup="false"  
CodeFile="ProductCatalogueUpdate.aspx.vb" Inherits="ProductCatalogueUpdate" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">  
<head runat="server">
```

```
    <title>Product Catalogue Update</title>  
    <style>
```

```
        body {  
            background-color: grey;  
            font-family: Arial;  
        }  
        .container {  
            width: 420px;  
            margin: 60px 300px;  
            background: white;  
            padding: 50px;  
            border-radius: 6px;  
        }  
        .btn {  
            width: 100%;  
            padding: 8px;  
        }  
        input {  
            padding: 8px;  
            width: 100%;  
        }  
    }
```

```

</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">
            <h2>Product Catalogue Update</h2>
            Product ID:
            <asp:TextBox ID="txtProductID" runat="server"></asp:TextBox>

            Description:
            <asp:TextBox ID="txtDesc" runat="server"></asp:TextBox><br />

            Finish:
            <asp:TextBox ID="txtFinish" runat="server"></asp:TextBox><br />

            Price:
            <asp:TextBox ID="txtPrice" runat="server"></asp:TextBox><br /><br />

            <asp:Button ID="updateButton" runat="server" Text="Update Product" class="btn"
            OnClick="update_click" />
            <br />
            <asp:Label ID="Label1" runat="server"></asp:Label>

        </div>
    </form>
</body>
</html>

```

Code Behind

```

Imports System.Data
Imports System.Data.SqlClient

```

```

Partial Class ProductCatalogueUpdate
    Inherits System.Web.UI.Page

```

```

    Protected Sub update_click(sender As Object, e As EventArgs) Handles
updateButton.Click

```

```

        Dim conStr As String
        conStr = "Data Source=FurnitureDB.mssql.somee.com; Initial
Catalog=FurnitureDB; User id=aftabmehdi514_SQLLogin_1;
Password=2czuxl4oz4;TrustServerCertificate=True;"
        Dim conn As New SqlConnection
        conn.ConnectionString = conStr
        Dim cmd As SqlCommand = New SqlCommand
        cmd.Connection = conn

```

```

        Try

```

```

conn.Open()

' Build UPDATE query dynamically
Dim query As String = "UPDATE Product_t SET "

    If txtDesc.Text <> "" Then
        query &= "Product_Description='" & txtDesc.Text & "',"
    End If
    If txtFinish.Text <> "" Then
        query &= "Product_Finish='" & txtFinish.Text & "',"
    End If
    If txtPrice.Text <> "" Then
        query &= "Standard_Price=" & txtPrice.Text & ","
    End If

    query = query.TrimEnd(",")

    If query = "UPDATE Product_t SET " Then
        Label1.Text = "Please enter at least one field to update"
        Exit Sub
    End If
'
' completing the query
query &= " WHERE Product_Id=" & txtProductID.Text

cmd.CommandText = query
Dim updated As Integer = cmd.ExecuteNonQuery()

    If updated >= 1 Then
        Label1.Text = "Product updated successfully"
    Else
        Label1.Text = "Update failed"
    End If

```

```

Catch ex As Exception

```

```

    Label1.Text = ex.Message
Finally
    conn.Close()
    cmd.Dispose()
End Try

```

```

End Sub

```

```

End Class

```