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DIV   :   F2

ROLL NO   :   48

Subject   :   ASP (Assignment 4 & 5)

Enrollment No :   200802089

Unit : 4

Task :-1

Create the Registration form for the user and perform CRUD operation for the same,also save the username and password for the login page .

Note: Display all the data in Gridview control, apply all the appropriate validations for the same.

CODE :-

Index.aspx :-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="index.aspx.cs"
Inherits="Assignment_4_1.index" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Sample Registration Page</title>
    <style type="text/css">
        .style1 {
            width: 100%;
        }
```

```aspx
    .auto-style1 {
        height: 22px;
    }
    </style>
</head>
<body style="height: 508px">
  <form id="form1" runat="server">
    <div>
        <table class="style1">
            <tr>
                <td class="auto-style1">Full Name:</td>
                <td class="auto-style1">
                    <asp:TextBox ID="TxtName" runat="server"></asp:TextBox>
                      <asp:RequiredFieldValidator runat="server" ID="RFVTxtName"
ControlToValidate="TxtName" ErrorMessage="Name is required !" ForeColor="Red"/>
                </td>
            </tr>
            <tr>
                <td>Username:</td>
                <td>
                    <asp:TextBox ID="TxtUserName" runat="server" AutoPostBack="true"
OnTextChanged="TxtUserName_TextChanged"></asp:TextBox>
                      <asp:RequiredFieldValidator runat="server" ID="RFVTxtUserName"
ControlToValidate="TxtUserName" ErrorMessage="Username is required !"
ForeColor="Red"/>
                </td>
            </tr>
            <tr>
                <td>Password:</td>
                <td>
                    <asp:TextBox ID="TxtPassword" runat="server"
                        TextMode="Password"></asp:TextBox>
                      <asp:RequiredFieldValidator runat="server" ID="RFVTxtPassword"
ControlToValidate="TxtPassword" ErrorMessage="Password is required !" ForeColor="Red"/>
                </td>
            </tr>
            <tr>
                <td>Re Password:</td>
                <td>
                    <asp:TextBox ID="TxtRePassword" runat="server"
                        TextMode="Password"></asp:TextBox>
                      <asp:RequiredFieldValidator runat="server" ID="RFVTxtRePassword"
ControlToValidate="TxtRePassword" ErrorMessage="Re password is required !"
ForeColor="Red"/>
```

```
                <asp:CompareValidator ID="CVMatchPassword" runat="server"
ControlToValidate="TxtPassword" Operator="Equal" ControlToCompare="TxtRePassword"
ErrorMessage="Password and Re Password are not match !" ForeColor="red"/>
                  </td>
              </tr>
              <tr>
                  <td>Address:</td>
                  <td>
                      <asp:TextBox ID="TxtAddress" MaxLength="255"
runat="server"></asp:TextBox>
                        <asp:RequiredFieldValidator runat="server" ID="RFVTxtAddress"
ControlToValidate="TxtAddress" ErrorMessage="Address is required !" ForeColor="Red"/>
                  </td>
              </tr>
              <tr>
                  <td>Age:</td>
                  <td>
                      <asp:TextBox ID="TxtAge" runat="server"></asp:TextBox>
                        <asp:RequiredFieldValidator runat="server" ID="RFVTxtAge"
ControlToValidate="TxtAge" ErrorMessage="Age is required !" ForeColor="Red"/>
                        <asp:CompareValidator ID="CVTxtAge" runat="server"
ControlToValidate="TxtAge" Operator="DataTypeCheck" Type="Integer" ErrorMessage="Age
must be in number !" ForeColor="red"/>
                  </td>
              </tr>
              <tr>
                  <td>Gender:</td>
                  <td>
                      <asp:DropDownList ID="DropDownListGender" runat="server">
                          <asp:ListItem Selected="True">Male</asp:ListItem>
                          <asp:ListItem>Female</asp:ListItem>
                      </asp:DropDownList>
                  </td>
              </tr>
          </table>
      </div>
      <asp:Button ID="Button1" runat="server" Text="Save" OnClick="Button1_Click"/>
    
      <asp:Button ID="Button2" runat="server" Text="Delete" OnClick="Button2_Click" />
 
      <asp:Button ID="Button3" runat="server" Text="Update" OnClick="Button3_Click" />
 (enter username of person to update and delete their details).<br />
      <br />
      <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
DataKeyNames="Id" DataSourceID="SqlDataSource1" Width="645px">
          <Columns>
```

```
        <asp:BoundField DataField="Id" HeaderText="Id" InsertVisible="False"
ReadOnly="True" SortExpression="Id" />
        <asp:BoundField DataField="name" HeaderText="name" SortExpression="name" />
        <asp:BoundField DataField="username" HeaderText="username"
SortExpression="username" />
        <asp:BoundField DataField="password" HeaderText="password"
SortExpression="password" />
        <asp:BoundField DataField="address" HeaderText="address"
SortExpression="address" />
        <asp:BoundField DataField="age" HeaderText="age" SortExpression="age" />
        <asp:BoundField DataField="gender" HeaderText="gender" SortExpression="gender"
/>
      </Columns>
    </asp:GridView>
    <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:connection %>" SelectCommand="SELECT * FROM
[persons]"></asp:SqlDataSource>
  </form>
</body>
</html>
```

Index.aspx.cs :

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Configuration;
using System.Data;

namespace Assignment_4_1
{
    public partial class index : System.Web.UI.Page
    {
        SqlConnection connection;
        static String username = "";

        protected void Page_Load(object sender, EventArgs e)
        {
            connection = new
SqlConnection(ConfigurationManager.ConnectionStrings["connection"].ConnectionString);
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            String insertQuery = "INSERT INTO persons (name, username, password, address, age,
gender) VALUES(@name, @username, @password, @address, @age, @gender)";
            SqlCommand insertCmd = new SqlCommand(insertQuery, connection);
            insertCmd.Parameters.AddWithValue("name", TxtName.Text);
            insertCmd.Parameters.AddWithValue("username", TxtUserName.Text);
            insertCmd.Parameters.AddWithValue("password", TxtPassword.Text);
            insertCmd.Parameters.AddWithValue("address", TxtAddress.Text);
            insertCmd.Parameters.AddWithValue("age", TxtAge.Text);
            insertCmd.Parameters.AddWithValue("gender",
DropDownListGender.SelectedItem.Text);

            connection.Open();
            if (insertCmd.ExecuteNonQuery() > 0) {
                Response.Write("Data Inserted !");
            }
            else {
                Response.Write("Data Not Inserted !");
            }
            connection.Close();
```

```csharp
        }

        protected void TxtUserName_TextChanged(object sender, EventArgs e)
        {
            if (TxtUserName.Text != "") {
                String selectQuery = "SELECT * FROM persons WHERE
username='"+TxtUserName.Text+"'";
                SqlDataAdapter dataAdapter = new SqlDataAdapter(selectQuery, connection);
                DataTable data = new DataTable();
                dataAdapter.Fill(data);

                foreach (DataRow row in data.Rows) {
                    TxtName.Text = row["name"].ToString();
                    TxtUserName.Text = row["username"].ToString();
                    if (username == "") {
                        username = row["username"].ToString();
                    }
                    TxtAddress.Text = row["address"].ToString();
                    TxtAge.Text = row["age"].ToString();
                    DropDownListGender.SelectedItem.Text = row["gender"].ToString();
                }
            }
        }

        protected void Button2_Click(object sender, EventArgs e)
        {

            String insertQuery = "DELETE FROM persons WHERE username=@username";
            SqlCommand insertCmd = new SqlCommand(insertQuery, connection);
            insertCmd.Parameters.AddWithValue("username", TxtUserName.Text);

            connection.Open();
            if (insertCmd.ExecuteNonQuery() > 0)
            {
                Response.Write("Data Deleted !");
            }
            else
            {
                Response.Write("Data Not Deleted !");
            }
            connection.Close();
        }

        protected void Button3_Click(object sender, EventArgs e)
        {
```

```csharp
        String insertQuery = "UPDATE persons SET name=@name, username=@username,
password=@password, address=@address, age=@age, gender=@gender WHERE
username=@uname";
        SqlCommand insertCmd = new SqlCommand(insertQuery, connection);
        insertCmd.Parameters.AddWithValue("uname",username);
        insertCmd.Parameters.AddWithValue("name", TxtName.Text);
        insertCmd.Parameters.AddWithValue("username", TxtUserName.Text);
        insertCmd.Parameters.AddWithValue("password", TxtPassword.Text);
        insertCmd.Parameters.AddWithValue("address", TxtAddress.Text);
        insertCmd.Parameters.AddWithValue("age", TxtAge.Text);
        insertCmd.Parameters.AddWithValue("gender",
DropDownListGender.SelectedItem.Text);

        connection.Open();
        if (insertCmd.ExecuteNonQuery() > 0)
        {
          Response.Write("Data Updated !");
        }
        else
        {
          Response.Write("Data Not Upodated !");
        }
        connection.Close();
      }
    }
}
```

Output :-

Task : 2

Create the login form as below and store the information using session variables and redirect the logged in user to the next page.

Note: only registered users can login , and print the message "welcome user" in the next page.

CODE :-

Index.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="index.aspx.cs"
Inherits="Assignment_4_2.index" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Assignment_4_2</title>
    <style type="text/css">
        .auto-style1 {
            height: 555px;
        }
        .auto-style2 {
            height: 200px;
            width: 470px;
        }
        .mar {
            margin-top: 5px;
        }
        .btn {
            margin-top: 5px;
            background-color:green;
            color:white;
            border: 0px;
            font-size: 16px;
            padding: 7px 15px 7px 15px;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="auto-style1">
```

```
                 
        <br />
           
        <br />
             
  
        <br />
             
          
        <div class="auto-style2" style="margin-left:150px; border:2px solid green;">
            <div style="background-color:green; margin:2px; align-items:center; display:flex;
justify-content:center; height:60px;">
                <h1 style="color:white; margin:0px;">ASP.Net Login Page Example</h1>
            </div>
            <div>
                <br />
             
           
                <asp:Label runat="server" Text="UserName : "/>
                <asp:TextBox runat="server" ID="txtUname" Width="150px"/>

                <br
/>            &nbsp
;             
                <asp:Label runat="server" CssClass="mar" Text="Password : "/>
                <asp:TextBox runat="server" CssClass="mar" ID="txtPassword"
TextMode="Password" Width="150px"/>

                <br />
             
             
             
      
                <asp:Button runat="server" Text="Login" CssClass="btn"
OnClick="Unnamed3_Click"/>
            </div>
        </div>
    </div>
  </form>
</body>
</html>
```
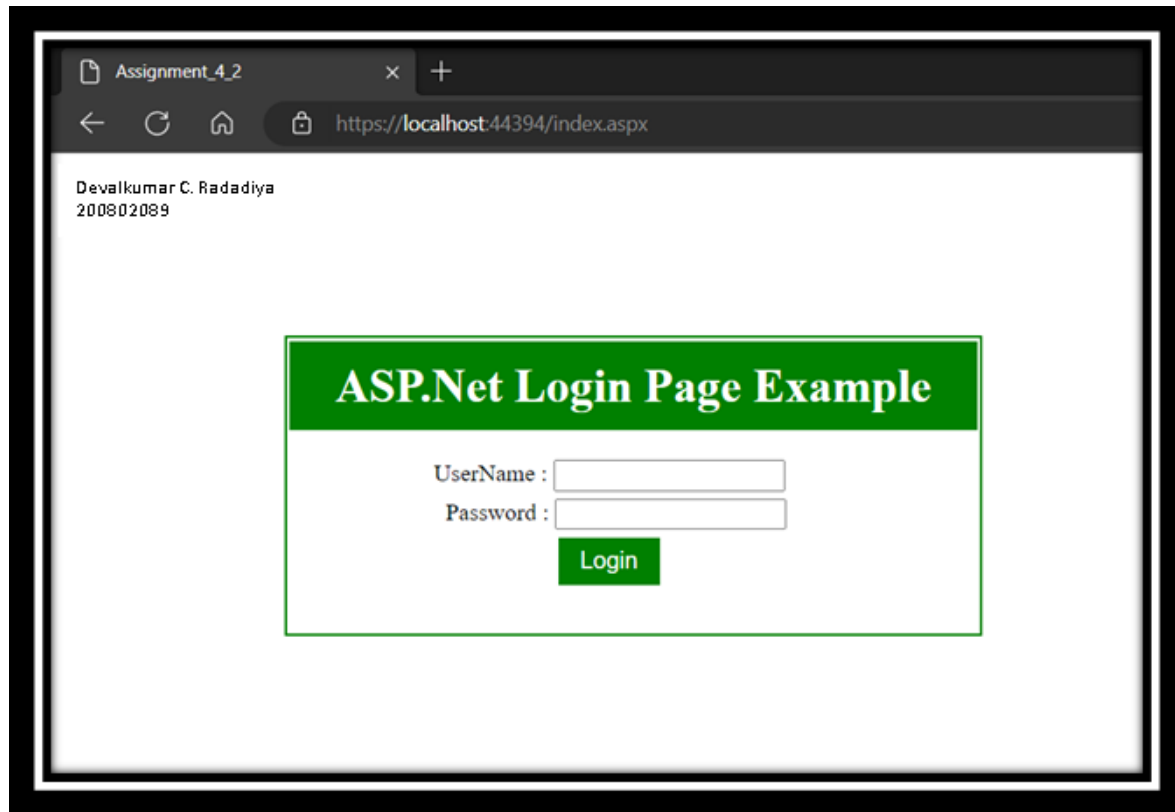
Index .aspx.cs :

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.SessionState;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Assignment_4_2
{
    public partial class index : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Session["username"] = "DevalRadadiya";
            Session["password"] = "deval@123";
        }

        protected void Unnamed3_Click(object sender, EventArgs e)
        {
            String username = Session["username"].ToString();
            String password = Session["password"].ToString();
            if (txtUname.Text == username && txtPassword.Text == password)
            {
                Response.Redirect("welcome.aspx");
            }
            else {
                Response.Write("Login cradentials are wrong !");
            }
        }
    }
}
```

ScreenShort :-

Unit :5

Task : 3

Reference tasks Create and insert data in xml file as given below.

https://www.youtube.com/watch?v=rv0viLf7ttw

Code :-

Index.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="index.aspx.cs"
Inherits="Assignment_4_3.index" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Write XML File</title>
    <style type="text/css">
        .auto-style1 {
            height: 345px;
        }

        .auto-style3 {
            border: 2px solid black;
            margin-top: 50px;
            margin-left: 100px;
            width: 30%;
        }

        .auto-style4 {
            width: 170px;
        }
    </style>
</head>
<body style="height: 347px">
    <font size="4">
        Devalkumar C. Radadiya<br />
        2008020089
    </font>
    <form id="form1" runat="server">
        <div class="auto-style1">
```

```aspx
<table class="auto-style3">
    <tr>
        <td>
            <table style="width: 100%;" cellpadding="5" cellspacing="2">
                <tr>
                    <th colspan="2" style="background-color: green;">
                        <h2 style="margin: 0px; color: white;">Write XML File Here</h2>
                    </th>
                </tr>
                <tr>
                    <th colspan="2" style="background-color: white; color: green; text-align:
center;">Create Student
                    </th>
                </tr>
                <tr>
                    <td class="auto-style4">Roll No :</td>
                    <td>
                        <asp:TextBox ID="txtRno" runat="server"></asp:TextBox>
                         <asp:RequiredFieldValidator ID="RFVRno"
ControlToValidate="txtRno" runat="server" ErrorMessage="Required !"
ForeColor="Red"></asp:RequiredFieldValidator>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style4">Name : </td>
                    <td>
                        <asp:TextBox ID="txtName" runat="server"></asp:TextBox>
                         <asp:RequiredFieldValidator ID="RFVName"
ControlToValidate="txtName" runat="server" ErrorMessage="Required !"
ForeColor="Red"></asp:RequiredFieldValidator>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style4">City : </td>
                    <td>
                        <asp:DropDownList ID="DropDownCities" runat="server">
                            <asp:ListItem>Rajkot</asp:ListItem>
                            <asp:ListItem>Surat</asp:ListItem>
                            <asp:ListItem>Jetpur</asp:ListItem>
                            <asp:ListItem>Vadodara</asp:ListItem>
                            <asp:ListItem>Ahmdabad</asp:ListItem>
                            <asp:ListItem>Chuda</asp:ListItem>
                            <asp:ListItem>Junagadh</asp:ListItem>
                            <asp:ListItem>Porbander</asp:ListItem>
                            <asp:ListItem>Gandhinagar</asp:ListItem>
```

```aspx
                              <asp:ListItem>Gondal</asp:ListItem>
</asp:DropDownList>
                          </td>
                      </tr>
                      <tr>
                          <td class="auto-style4">
                              <asp:Label ID="Msg" runat="server" Font-Bold="True"
ForeColor="Green"></asp:Label>
                          </td>
                          <td style="text-align: center;">
                              <asp:Button ID="btnSave" runat="server" Text="Save"
OnClick="btnSave_Click" />
                          </td>
                      </tr>
                  </table>
              </td>
          </tr>
      </table>
  </div>
  <div style="margin-left:100px;">
      <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
DataSourceID="XmlDataSource1" Width="355px">
          <Columns>
              <asp:BoundField DataField="RollNo" HeaderText="RollNo"
SortExpression="RollNo"></asp:BoundField>
              <asp:BoundField DataField="Name" HeaderText="Name"
SortExpression="Name"></asp:BoundField>
              <asp:BoundField DataField="City" HeaderText="City"
SortExpression="City"></asp:BoundField>
          </Columns>
      </asp:GridView>
      <asp:XmlDataSource runat="server" ID="XmlDataSource1"
DataFile="~/XMLFiles/StudentsData.xml"></asp:XmlDataSource>
  </div>
  </form>
</body>
</html>
```

Index.aspx.cs :

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Xml;

namespace Assignment_4_3
{
    public partial class index : System.Web.UI.Page
    {
        string xmlFilePath = string.Empty;

        protected void Page_Load(object sender, EventArgs e)
        {
            xmlFilePath = Server.MapPath("~/XMLFiles/") + "StudentsData.xml";
        }

        protected void btnSave_Click(object sender, EventArgs e)
        {
            XmlDocument studentsDoc = new XmlDocument();

            if (!File.Exists(xmlFilePath))
            {
                XmlDeclaration declaration = studentsDoc.CreateXmlDeclaration("1.0", "UTF-8", "yes");

                // create root element of document.
                XmlElement students = studentsDoc.CreateElement("Students");

                // create one child student element.
                XmlElement student = studentsDoc.CreateElement("Student");

                // create attributes for student and set values.
                XmlAttribute RollNo = studentsDoc.CreateAttribute("RollNo");
                XmlAttribute Name = studentsDoc.CreateAttribute("Name");
                XmlAttribute City = studentsDoc.CreateAttribute("City");
                RollNo.Value = txtRno.Text;
                Name.Value = txtName.Text;
                City.Value = DropDownCities.SelectedItem.ToString();

                // append attribute into student tag
```

```csharp
            student.Attributes.Append(RollNo);
            student.Attributes.Append(Name);
            student.Attributes.Append(City);

            // append declaration tag into xml file.
            studentsDoc.AppendChild(declaration);

            // append students tag into xml file.
            studentsDoc.AppendChild(students);

            // append student tag into root element students.
            students.AppendChild(student);

            // save xml document at xmlFilePath.
            studentsDoc.Save(xmlFilePath);

            // show the message to user.
            Msg.Text = "Student Saved.";
        }
        else
        {
            studentsDoc.Load(xmlFilePath);

            // get root element of document.
            XmlElement students = studentsDoc.DocumentElement;

            // create one child student element.
            XmlElement student = studentsDoc.CreateElement("Student");

            // create attributes for student and set values.
            XmlAttribute RollNo = studentsDoc.CreateAttribute("RollNo");
            XmlAttribute Name = studentsDoc.CreateAttribute("Name");
            XmlAttribute City = studentsDoc.CreateAttribute("City");
            RollNo.Value = txtRno.Text;
            Name.Value = txtName.Text;
            City.Value = DropDownCities.SelectedItem.ToString();

            // append attribute into student tag
            student.Attributes.Append(RollNo);
            student.Attributes.Append(Name);
            student.Attributes.Append(City);

            // append students tag into xml file.
            studentsDoc.AppendChild(students);

            // append student tag into root element students.
```

```
            students.AppendChild(student);

            // save xml document at xmlFilePath.
            studentsDoc.Save(xmlFilePath);

            // show the message to user.
            Msg.Text = "Student Saved.";
        }
    }
}
}
```

STUDENT XML DATA :-

```xml
<?xml version="1.0" encoding="utf-8"?>
<Students>
  <Student RollNo="48" Name="Devalkumar C. Radadiya" City="Prabhatpur" />

  <Student RollNo="11" Name="Chudasama Pratik " City="Chuda" />
</Students>
```

Output :-

Write XML File Here

Create Student

Roll No :   [   ]

Name :   [   ]

City :   [Rajkot ▼]

                              [Save]

RollNo	Name	City
48	Devalkumar C. Radadiya	Prabhatpur
11	Chudasama Pratik	Chuda