**NAME : Devalkumar C. Radadiya**

**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%;

}

.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>

&nbsp; <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>

&nbsp; <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>

&nbsp; <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>

&nbsp; <asp:RequiredFieldValidator runat="server" ID="RFVTxtRePassword" ControlToValidate="TxtRePassword" ErrorMessage="Re password is required !" ForeColor="Red"/>

&nbsp; <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>

&nbsp; <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>

&nbsp; <asp:RequiredFieldValidator runat="server" ID="RFVTxtAge" ControlToValidate="TxtAge" ErrorMessage="Age is required !" ForeColor="Red"/>

&nbsp; <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"/>

&nbsp;

<asp:Button ID="Button2" runat="server" Text="Delete" OnClick="Button2\_Click" />

&nbsp;

<asp:Button ID="Button3" runat="server" Text="Update" OnClick="Button3\_Click" />

&nbsp;(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 :**

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();

}

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)

{

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">

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<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 /> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label runat="server" Text="UserName : "/>

<asp:TextBox runat="server" ID="txtUname" Width="150px"/>

<br />&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label runat="server" CssClass="mar" Text="Password : "/>

<asp:TextBox runat="server" CssClass="mar" ID="txtPassword" TextMode="Password" Width="150px"/>

<br /> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button runat="server" Text="Login" CssClass="btn" OnClick="Unnamed3\_Click"/>

</div>

</div>

</div>

</form>

</body>

</html>

**Index .aspx.cs :**

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 !");

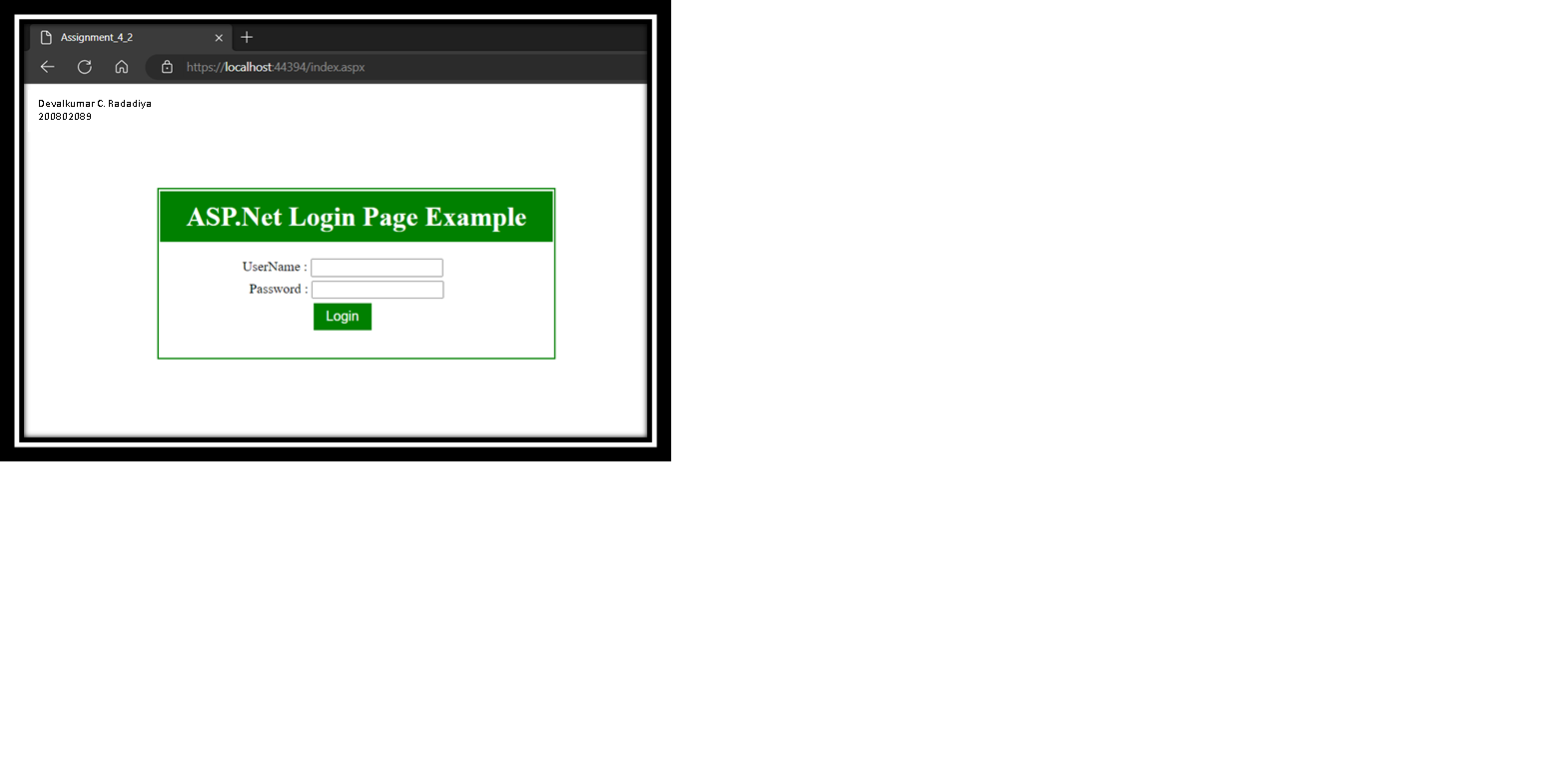
}

}

}

}

**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">

<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>

&nbsp;<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>

&nbsp;<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>

<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 :**

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

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 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 :-**

