ASP .NET Web Forms

Sasikumar S 01-04-2022

Student .cs

using System;

using System.Collections.Generic;

using System.ComponentModel.DataAnnotations;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace BusinessObject

{

public class Student

{

[Key]

public int Id { get; set; }

[Required,MaxLength(30)]

public string Name { get; set; }

[Required,MaxLength(50)]

public string Address { get; set; }

[Required,MaxLength(14)]

public string PhoneNumber { get; set; }

[Required,MaxLength(30)]

public string Email { get; set; }

[Required,MaxLength(30)]

public string Course { get; set; }

[Required,MaxLength(15)]

public string Password { get; set; }

}

}

Operation.cs

using BusinessObject;

using System.Configuration;

using System.Data;

using System.Data.SqlClient;

namespace DataAccessLayer

{

public class Operation

{

static string ConnectionStringInformation

= ConfigurationManager.ConnectionStrings["StudentDBString"].ConnectionString;

public static int SaveStudent(Student student)

{

SqlConnection con;

con = new SqlConnection(ConnectionStringInformation);

con.Open();

SqlCommand cmd;

cmd = new SqlCommand("spSaveStudent", con);

cmd.CommandType = CommandType.StoredProcedure;

cmd.Parameters.AddWithValue("@Name", student.Name);

cmd.Parameters.AddWithValue("@Address", student.Address);

cmd.Parameters.AddWithValue("@PhoneNumber", student.PhoneNumber);

cmd.Parameters.AddWithValue("@Email", student.Email);

cmd.Parameters.AddWithValue("@Course", student.Course);

cmd.Parameters.AddWithValue("@Password", student.Password);

int rowsAffected = cmd.ExecuteNonQuery();

cmd.Dispose();

con.Close();

return rowsAffected;

}

public static bool CheckStudentInformation(Student stu)

{

bool RecordFound;

using (SqlConnection con = new SqlConnection(ConnectionStringInformation))

{

con.Open();

SqlCommand cmd = new SqlCommand();

cmd = new SqlCommand("spCheckStudentInformation", con);

cmd.CommandType = System.Data.CommandType.StoredProcedure;

cmd.Parameters.AddWithValue("@EmailID", stu.Email);

cmd.Parameters.AddWithValue("@Password", stu.Password);

SqlDataReader dr = cmd.ExecuteReader();

RecordFound = dr.Read();

cmd.Dispose();

con.Close();

}

return RecordFound;

}

}

}

Web.Config

<?xml version="1.0" encoding="utf-8"?>

<!--

For more information on how to configure your ASP.NET application, please visit

https://go.microsoft.com/fwlink/?LinkId=169433

-->

<configuration>

<system.web>

<compilation debug="true" targetFramework="4.7.2" />

<httpRuntime targetFramework="4.7.2" />

</system.web>

<system.codedom>

<compilers>

<compiler language="c#;cs;csharp" extension=".cs" type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default /nowarn:1659;1699;1701" />

<compiler language="vb;vbs;visualbasic;vbscript" extension=".vb" type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default /nowarn:41008 /define:\_MYTYPE=\&quot;Web\&quot; /optionInfer+" />

</compilers>

</system.codedom>

<connectionStrings>

<add name="StudentDBString" connectionString="Data Source=SASIKUMAR\SQLEXPRESS;Initial Catalog=StudentDB;Integrated Security=True;" providerName="System.Data.SqlClient" />

</connectionStrings>

</configuration>

Master File:

<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Header.master.cs" Inherits="StudentPortal.Header" %>

<!DOCTYPE html>

<html>

<link rel="stylesheet" type="text/css" href="style.css">

<head runat="server">

<title></title>

<asp:ContentPlaceHolder ID="head" runat="server">

</asp:ContentPlaceHolder>

</head>

<body>

<nav id="nav">

<ul>

<li><a href="home.aspx"></a>Jai Shriram Engineering College</li>

<li><a href="register.aspx">Register</a></li>

<li><a href="Login.aspx">Login</a></li>

<li style="margin-left:10px;color:wheat">

<asp:Label ID="lblGreet" runat="server" Text="Welcome"></asp:Label></li>

</ul>

</nav>

<form id="form1" runat="server">

<div >

<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">

</asp:ContentPlaceHolder>

</div>

</form>

</body>

</html>

Style.css

body {

font-family:'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;

background-color:antiquewhite;

}

#nav {

background-color: #FF1654;

padding: 5px;

}

ul {

list-style-type: none;

}

li a {

color: #F1FAEE;

font-size: 20px;

column-width: 5px;

}

li {

display: inline;

padding-left: 2px;

column-width: 20px;

}

a {

text-decoration: none;

margin-left: 20px

}

li a:hover {

background-color: #F3FFBD;

color: #FF1654;

padding: 1%;

}

#div1{

background-color:bisque;

}

Master.cs

using System;

namespace StudentPortal

{

public partial class Header : System.Web.UI.MasterPage

{

protected void Page\_Load(object sender, EventArgs e)

{

if (Session["Email"] != null)

{

lblGreet.Text = Session["Email"].ToString();

}

}

}

}

Index.aspx

<%@ Page Title="" Language="C#" MasterPageFile="~/Header.Master" AutoEventWireup="true" CodeBehind="index.aspx.cs" Inherits="StudentPortal.index" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<center>

<h2>Welcome to Jai Shri Ram Engineering College</h2>

<h4>Avinashipalayam, Tirupur </h4>

</center>

<p>If your an Student Please Login!</p> <asp:HyperLink ID="HyperLink1" runat="server" NavigateUrl="~/Login.aspx">Login</asp:HyperLink>

<div style="width:100%">

<img src="images/img1.png" /></div>

</asp:Content>

Index.aspx.cs

using System;

namespace StudentPortal

{

public partial class index : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

}

}

Login.aspx

<%@ Page Title="" Language="C#" MasterPageFile="~/Header.Master" AutoEventWireup="true" CodeBehind="Login.aspx.cs" Inherits="StudentPortal.Login" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<br />

<br />

<table align="center">

<tr>

<td>Email ID</td>

<td>

<asp:TextBox ID="txtEmail" runat="server" Height="30px" Width="200px"></asp:TextBox></td>

</tr>

<tr>

<td>Password</td>

<td>

<asp:TextBox ID="txtPassword" runat="server" Height="30px" Width="200px"></asp:TextBox></td>

</tr>

<tr>

<td colspan="2">

<asp:Button ID="btnLogin" runat="server" Text="Login" Height="30px" Width="150px" OnClick="btnLogin\_Click" /></td>

</tr>

<tr>

<td colspan="2">

<asp:Label ID="lblMessage" runat="server" Text="Please Fill this form"></asp:Label></td>

</tr>

</table>

</asp:Content>

Login.aspx.cs

using BusinessObject;

using DataAccessLayer;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace StudentPortal

{

public partial class Login : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void btnLogin\_Click(object sender, EventArgs e)

{

Student student = new Student()

{

Email = txtEmail.Text,

Password = txtPassword.Text,

};

bool RecordFound = Operation.CheckStudentInformation(student);

if (RecordFound)

{

lblMessage.Text = "Login Successfull";

Session["Email"] = student.Email;

Response.AppendHeader

("Refresh", "3;url=DashBoard.aspx");

}

else

{

lblMessage.Text = "Invalid credentials!!! Please Try again";

Session["Email"] = null;

}

}

}

}

Register.aspx

<%@ Page Title="" Language="C#" MasterPageFile="~/Header.Master" AutoEventWireup="true" CodeBehind="Register.aspx.cs" Inherits="StudentPortal.Register" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

<style type="text/css">

.auto-style1 {

height: 27px;

}

</style>

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<br /><br />

<table align="center">

<tr>

<td>Name</td>

<td>

<asp:TextBox ID="txtName" runat="server" Height="30px" Width="200px"></asp:TextBox></td>

</tr>

<tr>

<td>Address</td>

<td>

<asp:TextBox ID="txtAddress" runat="server" Height="30px" Width="200px"></asp:TextBox></td>

</tr>

<tr>

<td>Phone Number</td>

<td>

<asp:TextBox ID="txtPhoneNumber" runat="server" Height="30px" Width="200px"></asp:TextBox></td>

</tr>

<tr>

<td class="auto-style1">Email ID</td>

<td class="auto-style1">

<asp:TextBox ID="txtEmail" runat="server" Height="30px" Width="200px"></asp:TextBox></td>

</tr>

<tr>

<td>Course</td>

<td>

<asp:DropDownList ID="drpdwnlst" runat="server" Height="30px" Width="200px">

<asp:ListItem>BE - CSE</asp:ListItem>

<asp:ListItem>BE - ECE</asp:ListItem>

<asp:ListItem>BE - CIVIL</asp:ListItem>

<asp:ListItem>BE - EEE</asp:ListItem>

<asp:ListItem>B.Tech IT</asp:ListItem>

</asp:DropDownList></td>

</tr>

<tr>

<td>Password</td>

<td>

<asp:TextBox ID="txtPassword" runat="server" Height="30px" Width="200px"></asp:TextBox></td>

</tr>

<tr>

<td colspan="2">

<asp:Button ID="btnSave" runat="server" Text="Register" Height="30px" OnClick="btnSave\_Click" Width="150px" /></td>

</tr>

<tr>

<td colspan="2">

<asp:Label ID="lblMessage" runat="server" Text="Label"></asp:Label></td>

</tr>

</table>

</asp:Content>

Register.aspx.cs

using BusinessObject;

using DataAccessLayer;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace StudentPortal

{

public partial class Register : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void btnSave\_Click(object sender, EventArgs e)

{

Student student = new Student()

{

Name = txtName.Text,

Address = txtAddress.Text,

PhoneNumber = txtPhoneNumber.Text,

Email = txtEmail.Text,

Course = drpdwnlst.SelectedItem.Value,

Password = txtPassword.Text,

};

int RA = Operation.SaveStudent(student);

if (RA != 0)

{

lblMessage.Text = txtName.Text + " is Inserted Successfully";

txtName.Text = "";

txtAddress.Text = "";

txtPhoneNumber.Text = "";

txtEmail.Text = "";

txtPassword.Text = "";

Response.AppendHeader("Refresh", "3;url=Login.aspx");

}

else

lblMessage.Text = txtName.Text + " is not Inserted";

}

}

}

DashBoard.aspx

<%@ Page Title="" Language="C#" MasterPageFile="~/Header.Master" AutoEventWireup="true" CodeBehind="DashBoard.aspx.cs" Inherits="StudentPortal.DashBoard" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<asp:Label ID="lblGreet" runat="server" Text="Welcome"></asp:Label>

<h2>About Our College

</h2>

<h4>To provide value added education in engineering, technology and management by elevating the student community with state-of-the art infrastructure facilities, interactive teaching, learning techniques and hands-on training through our own industry support. </h4>

<div style="width:100%">

<img src="images/img2.png" />

</div>

</asp:Content>

DashBoard.aspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace StudentPortal

{

public partial class DashBoard : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (Session["Email"] != null)

{

lblGreet.Text = Session["Email"].ToString();

}

else

{

Response.AppendHeader("Refresh", "1;url=Login.aspx");

}

}

}

}

Output









