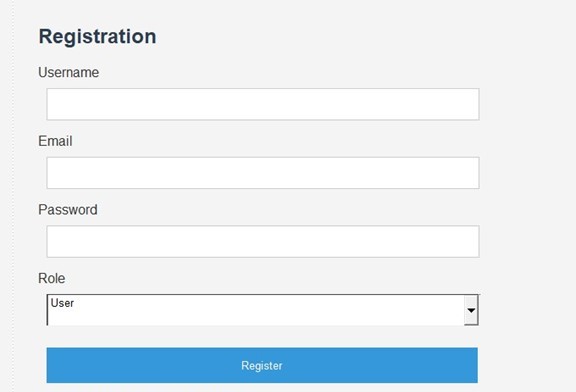
ASSIGNMENT : 1

Develop a website for movie ticket booking. Provide facility to user like registration, login, Ticket booking and view ticket.

* registration page



\*\*\*\*Registration.aspx\*\*\*\*

Code:-

<%@ Page Language="C#" AutoEventWireup="true"

CodeBehind="Registration.aspx.cs"

Inherits="MovieTicketBooking.Registration" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Registration</title>

</head>

<body>

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

<h2>Registration</h2>

<asp:Label Text="Username" runat="server" /><br />

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

<asp:Label Text="Email" runat="server" /><br />

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

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

<asp:TextBox ID="txtPassword" runat="server" TextMode="Password" /><br />

<asp:Label Text="Role" runat="server" /><br />

<asp:DropDownList ID="ddlRole" runat="server">

<asp:ListItem Text="User" Value="User"></asp:ListItem>

<asp:ListItem Text="Admin" Value="Admin"></asp:ListItem>

</asp:DropDownList><br />

<asp:Button ID="btnRegister" Text="Register" OnClick="btnRegister\_Click" runat="server" />

<asp:Label runat="server" ID="lblMessage"

ForeColor="Green"></asp:Label><br />

<a href="Login.aspx">Already have an account? Login here.</a>

</form>

</body>

</html>

\*\*\*\*Registration.aspx.cs\*\*\*\*

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Configuration;

namespace MovieTicketBooking

{

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

{

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

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "INSERT INTO Users (Username, Password,

Email, Role) VALUES ('" + txtUsername.Text + "', '" + txtPassword.Text + "', '" + txtEmail.Text + "', '" + ddlRole.SelectedValue + "')";

SqlCommand cmd = new SqlCommand(query, conn);

try {

cmd.ExecuteNonQuery();

lblMessage.Text = "Registration successful!";

} catch (SqlException) {

lblMessage.Text = "Registration failed. Username or email may already be in use.";

}

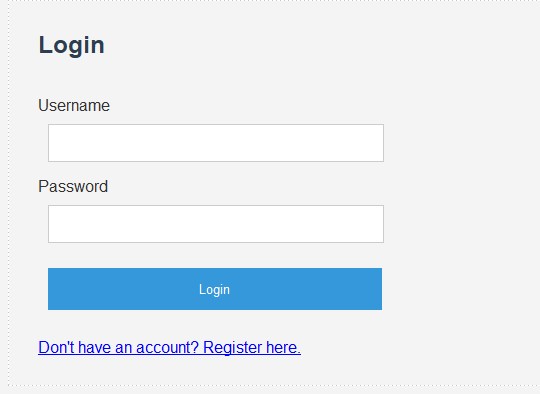
}

}

}

}

=>login page



\*\*\*\*Login.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Login.aspx.cs" Inherits="MovieTicketBooking.Login" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Login</title>

</head>

<body>

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

<h2>Login</h2>

<asp:Label runat="server" ID="lblMessage" ForeColor="Red"> </asp:Label><br />

<asp:Label Text="Username" runat="server" /><br />

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

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

<asp:TextBox ID="txtLoginPassword" runat="server" TextMode="Password" /><br />

<asp:Button ID="btnLogin" Text="Login" OnClick="btnLogin\_Click" runat="server" />

<br /><br />

<a href="Registration.aspx">Don't have an account? Register here.</a>

</form>

</body>

</html>

\*\*\*\*Login.aspx.cs\*\*\*\*

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Configuration;

namespace MovieTicketBooking

{

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

{

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

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "SELECT UserId, Role FROM Users WHERE Username = '" + txtLoginUsername.Text + "' AND Password = '" + txtLoginPassword.Text + "'";

SqlCommand cmd = new SqlCommand(query, conn);

SqlDataReader reader = cmd.ExecuteReader();

if (reader.Read()) {

Session["UserId"] = reader["UserId"];

Session["Role"] = reader["Role"];

if (reader["Role"].ToString() == "Admin") {

Response.Redirect("AdminMovieManagement.aspx");

}

else{

Response.Redirect("MovieBooking.aspx");

}

} else

{

lblMessage.Text = "Invalid Username or Password!";

}

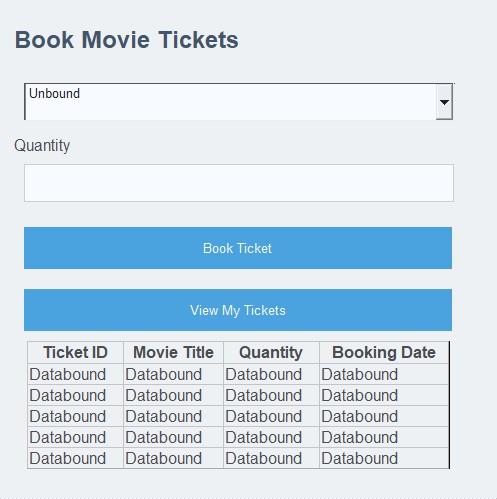
}

}

}

}

* Movie Booking Page



\*\*\*\*MovieBooking.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="MovieBooking.aspx.cs"

Inherits="MovieTicketBooking.MovieBooking" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Book Movie Tickets</title>

</head>

<body>

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

<h2>Book Movie Tickets</h2>

<asp:DropDownList ID="ddlMovies" runat="server"></asp:DropDownList><br />

<asp:Label Text="Quantity" runat="server" /><br /> <asp:TextBox ID="txtQuantity" runat="server"/>

<br />

<asp:Button ID="btnBook" Text="Book Ticket" OnClick="btnBook\_Click" runat="server" />

<asp:Label runat="server" ID="lblMessage" ForeColor="Green"> </asp:Label><br />

<asp:Button ID="btnViewTickets" Text="View My Tickets" OnClick="btnViewTickets\_Click" runat="server"

/>

<asp:GridView ID="gvTickets" runat="server"

AutoGenerateColumns="False">

<Columns>

<asp:BoundField DataField="TicketId" HeaderText="Ticket ID" />

<asp:BoundField DataField="MovieTitle" HeaderText="Movie Title" />

<asp:BoundField DataField="Quantity" HeaderText="Quantity" />

<asp:BoundField DataField="BookingDate"

HeaderText="Booking Date" />

</Columns>

</asp:GridView>

</form>

</body>

</html>

\*\*\*\*MovieBooking.aspx.cs\*\*\*\*

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Configuration;

namespace MovieTicketBooking

{

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

{

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

{

if (Session["UserId"] == null) { Response.Redirect("Login.aspx");

}

if (!IsPostBack) { LoadMovies(); }

}

private void LoadMovies()

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

SqlDataAdapter da = new SqlDataAdapter("SELECT MovieId , Title FROM Movies", conn);

DataTable dt = new DataTable();

da.Fill(dt);

ddlMovies.DataSource = dt;

ddlMovies.DataTextField = "Title";

ddlMovies.DataValueField = "MovieId";

ddlMovies.DataBind();

}

}

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

{

int userId = Convert.ToInt32(Session["UserId"]);

int movieId = Convert.ToInt32(ddlMovies.SelectedValue);

int quantity = Convert.ToInt32(txtQuantity.Text);

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "INSERT INTO Tickets (UserId, MovieId, Quantity) VALUES (" + userId + ", " + movieId + ", " + quantity + ")"; SqlCommand cmd = new SqlCommand(query, conn); cmd.ExecuteNonQuery();

lblMessage.Text = "Ticket booked successfully!";

}

}

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

{

int userId = Convert.ToInt32(Session["UserId"]);

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

SqlDataAdapter da = new SqlDataAdapter("SELECT t.TicketId, m.Title AS MovieTitle, t.Quantity, t.Booking Date FROM Tickets t JOIN Movies m ON t.MovieId = m.MovieId WHERE t.UserId = " + userId, conn);

DataTable dt = new DataTable();

da.Fill(dt);

gvTickets.DataSource = dt;

gvTickets.DataBind();

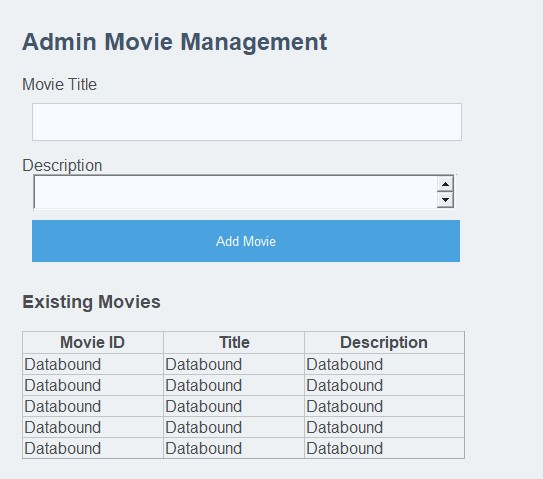
}

}

}

}

* Admin Movie Management Page



\*\*\*\*AdminMovieManagement.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="AdminMovieManagement.aspx.cs"

Inherits="MovieTicketBooking.AdminMovieManagement" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Admin Movie Management</title>

</head>

<body>

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

<h2>Admin Movie Management</h2>

<asp:Label Text="Movie Title" runat="server" /><br />

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

<asp:Label Text="Description" runat="server" /><br />

<asp:TextBox ID="txtDescription" runat="server" TextMode="MultiLine" /><br />

<asp:Button ID="btnAddMovie" Text="Add Movie" OnClick="btnAddMovie\_Click" runat="server" />

<asp:Label runat="server" ID="lblMessage" ForeColor="Green"></asp:Label><br />

<h3>Existing Movies</h3>

<asp:GridView ID="gvMovies" runat="server" AutoGenerateColumns="False">

<Columns>

<asp:BoundField DataField="MovieId" HeaderText="Movie ID" />

<asp:BoundField DataField="Title" HeaderText="Title" />

<asp:BoundField DataField="Description" HeaderText="Description" />

</Columns>

</asp:GridView>

</form>

</body>

</html>

\*\*\*\*AdminMovieManagement.aspx.cs\*\*\*\*

using System;

using System.Configuration;

using System.Data.SqlClient;

using System.Web;

using System.Data;

using System.Web.UI.WebControls;

namespace MovieTicketBooking

{

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

{

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

{

if (Session["Role"] == null || Session["Role"].ToString() != "Admin") { Response.Redirect("Login.aspx"); } if (!IsPostBack) { LoadMovies(); }

}

private void LoadMovies()

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

SqlDataAdapter da = new SqlDataAdapter("SELECT MovieId , Title , Description FROM Movies", conn);

DataTable dt = new DataTable();

da.Fill(dt);

gvMovies.DataSource = dt;

gvMovies.DataBind();

}

}

protected void btnAddMovie\_Click(object sender, EventArgs e) {

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "INSERT INTO Movies (Title, Description) VALUES ('" + txtMovieTitle.Text + "', '" + txtDescription.Text + "')";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.ExecuteNonQuery();

lblMessage.Text = "Movie added successfully!";

LoadMovies();

}

}

}

}

ASSIGNMENT : 2

Develop the “Missing Person Information Management System” for

Police department by providing following functionality.

 Police: - Login - View information of missing person

 Relative: - Register and provide missing person information

 Guest User: - If any, provide additional information

* TABLE:-

CREATE TABLE [dbo].[Police] (

[PoliceID] INT IDENTITY (1, 1) NOT NULL,

[Username ] NVARCHAR (50) NOT NULL,

[Password] NVARCHAR (50) NOT NULL,

PRIMARY KEY CLUSTERED ([PoliceID] ASC))

CREATE TABLE [dbo].[MissingPersons] (

[ PersonID] INT PRIMARY KEY IDENTITY ,

[ Name ] NVARCHAR(50) NULL,

[ Age ] INT NULL,

[ LastSeen ] NVARCHAR(50) NULL,

[ DateReported] DATETIME NULL,

[ RelativeContact] NVARCHAR(50) NULL

)

CREATE TABLE [dbo].[ GuestInfo](

[ GuestID ] INT PRIMARY KEY IDENTITY,

[Name] NVARCHAR(100) NOT NULL,

[ Contact] NVARCHAR(50),

[Information] NVARCHAR(255)

)

* Default.aspx

Design:-



\*\*\*\*Default.aspx\*\*\*\*

Code:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="default.aspx.cs" Inherits="missperson.\_default" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Police Login</title>

</head>

<body>

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

<div>

<h2>Police Login</h2>

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

Password: <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"></asp:TextBox><br />

<asp:Button ID="btnLogin" runat="server" Text="Login" OnClick="btnLogin\_Click" />

<asp:Label ID="lblMessage" runat="server" ForeColor="Red"></asp:Label>

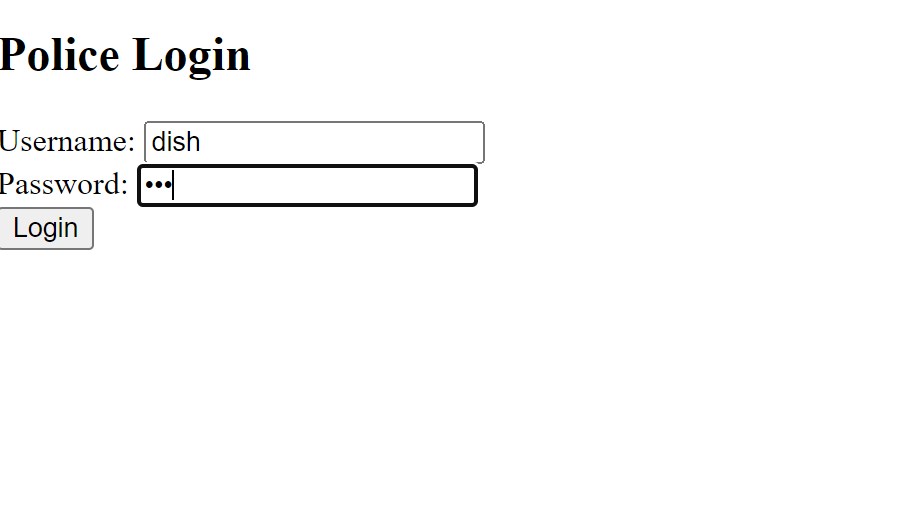
</div>

</form>

</body>

</html>

Output:-



\*\*\*\*Default.aspx.cs\*\*\*\*

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.Configuration;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data;

namespace missperson

{

public partial class \_default : System.Web.UI.Page

{

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

{

}

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

{

string connString = WebConfigurationManager.ConnectionStrings["MissingPersonsDB"].ConnectionString;

using (SqlConnection conn = new SqlConnection(connString))

{

conn.Open();

string query = "SELECT COUNT(\*) FROM Police WHERE Username=@username AND Password=@password";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.Parameters.AddWithValue("@username", txtUsername.Text);

cmd.Parameters.AddWithValue("@password", txtPassword.Text);

}

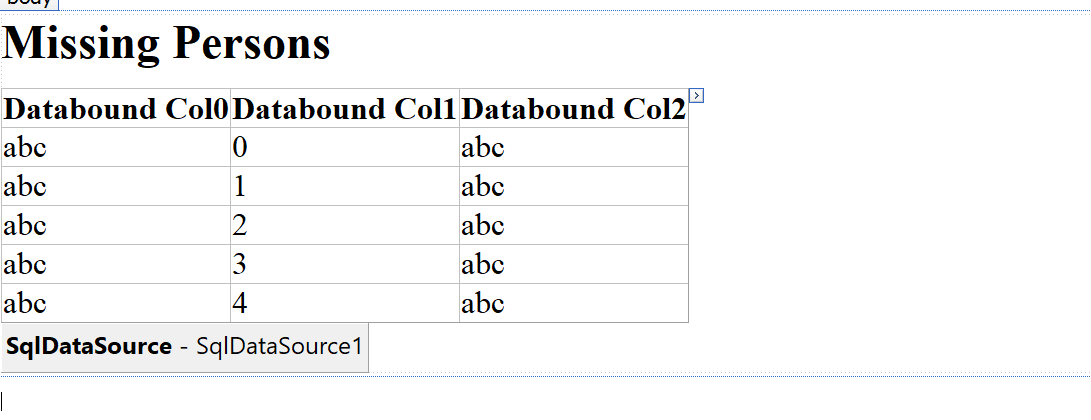
}

}

}

\*\*\*\*Police.aspx\*\*\*\*

Design:-



Code:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="police.aspx.cs" Inherits="missperson.police" %>

<!DOCTYPE html>

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

<head runat="server">

<title>>View Missing Persons</title>

</head>

<body>

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

<div>

<h2>Missing Persons</h2>

<asp:GridView ID="gvMissingPersons" runat="server" DataSourceID="SqlDataSource1"> </asp:GridView>

</div>

</form>

</body>

</html>

TABLE:-

CREATE TABLE [dbo].[MissingPersons]

(

[ PersonID] INT PRIMARY KEY IDENTITY ,

[ Name ] NVARCHAR(50) NULL,

[ Age ] INT NULL,

[ LastSeen ] NVARCHAR(50) NULL,

[ DateReported] DATETIME NULL,

[ RelativeContact] NVARCHAR(50) NULL

)

\*\*\*\*Police.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;

using System.Data.SqlClient;

using System.Web.Configuration;

namespace missperson

{

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

{

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

{

if (!IsPostBack)

{

LoadMissingPersons();

}

}

private void LoadMissingPersons()

{

string connString = WebConfigurationManager.ConnectionStrings["MissingPersonsDB"].ConnectionString;

using (SqlConnection conn = new SqlConnection(connString))

{

conn.Open();

SqlDataAdapter da = new SqlDataAdapter("SELECT \* FROM MissingPersons", conn);

DataTable dt = new DataTable();

da.Fill(dt);

gvMissingPersons.DataSource = dt;

gvMissingPersons.DataBind();}

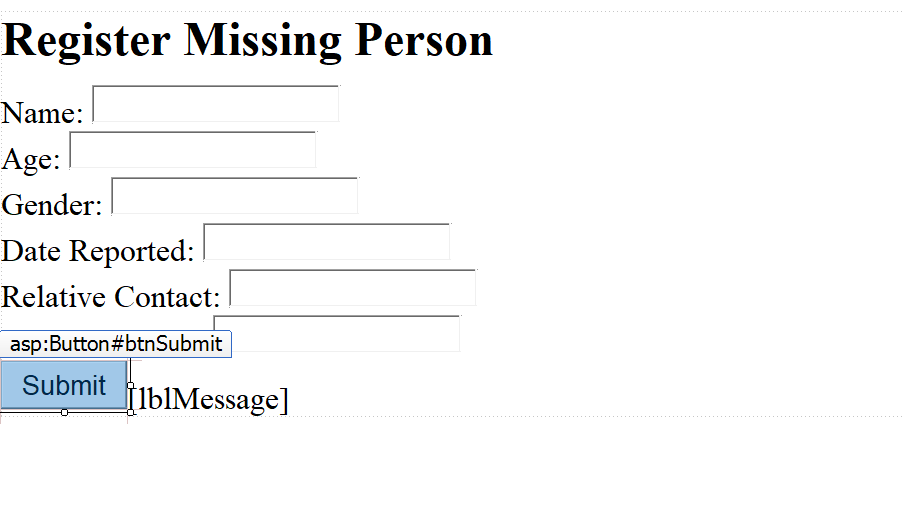
}

}

}

\*\*\*\*Register.aspx\*\*\*\*

Design:-



Code:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="register.aspx.cs" Inherits="missperson.register" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Register Missing Person</title>

</head>

<body>

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

<div>

<h2>Register Missing Person</h2>

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

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

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

Date Reported: <asp:TextBox ID="txtDateReported" runat="server"></asp:TextBox><br />

Relative Contact: <asp:TextBox ID="txtRelativeContact" runat="server"></asp:TextBox><br />

Additional Info: <asp:TextBox ID="txtAdditionalInfo" runat="server"></asp:TextBox><br />

<asp:Button ID="btnSubmit" runat="server" Text="Submit" OnClick="btnSubmit\_Click" />

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

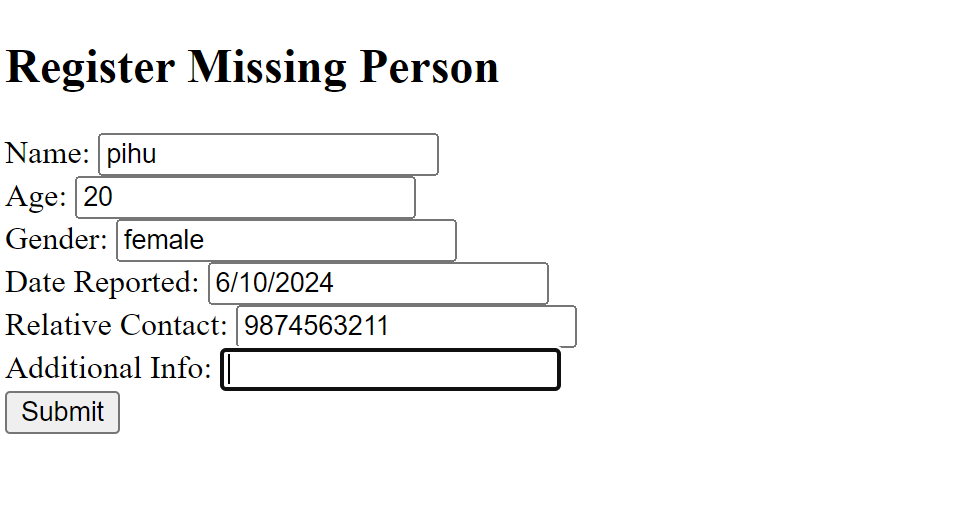
</div>

</form>

</body>

</htm>

Output:-



\*\*\*\*Register.aspx.cs\*\*\*\*

using System;

using System.Data;

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.Web.Configuration;

namespace missperson

{

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

{

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

{

}

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

{

string connString = WebConfigurationManager.ConnectionStrings["MissingPersonsDB"].ConnectionString;

using (SqlConnection conn = new SqlConnection(connString))

{

conn.Open();

string query = "INSERT INTO MissingPersons (Name, Age, Gender, DateReported, RelativeContact, AdditionalInfo) VALUES (@name, @age, @gender, @dateReported, @relativeContact, @additionalInfo)";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.Parameters.AddWithValue("@name", txtName.Text);

cmd.Parameters.AddWithValue("@age", int.Parse(txtAge.Text));

cmd.Parameters.AddWithValue("@gender", txtGender.Text);

cmd.Parameters.AddWithValue("@dateReported", DateTime.Now);

cmd.Parameters.AddWithValue("@relativeContact", txtRelativeContact.Text);

cmd.Parameters.AddWithValue("@additionalInfo", txtAdditionalInfo.Text);

cmd.ExecuteNonQuery();

lblMessage.Text = "Missing person registered successfully!";

}

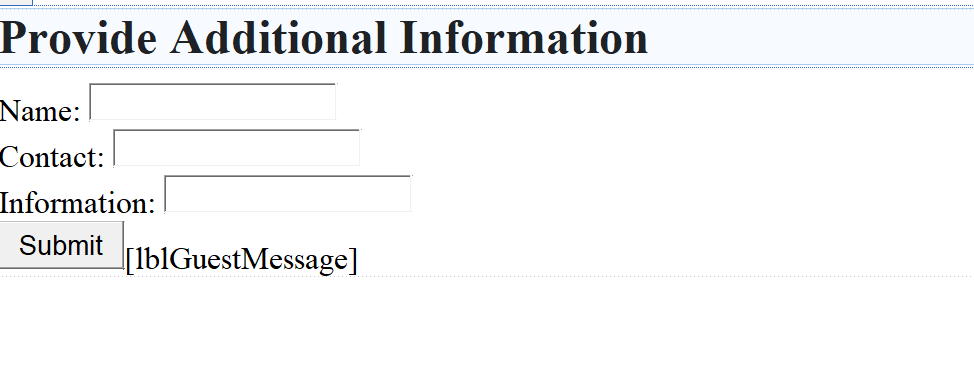
}

}

}

\*\*\*\*guest.aspx\*\*\*\*

Design:-



Code:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="guest.aspx.cs" Inherits="missperson.guest" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Guest Information</title>

</head>

<body>

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

<div>

<h2>Provide Additional Information</h2>

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

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

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

<asp:Button ID="btnSubmitGuest" runat="server" Text="Submit" OnClick="btnSubmitGuest\_Click" />

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

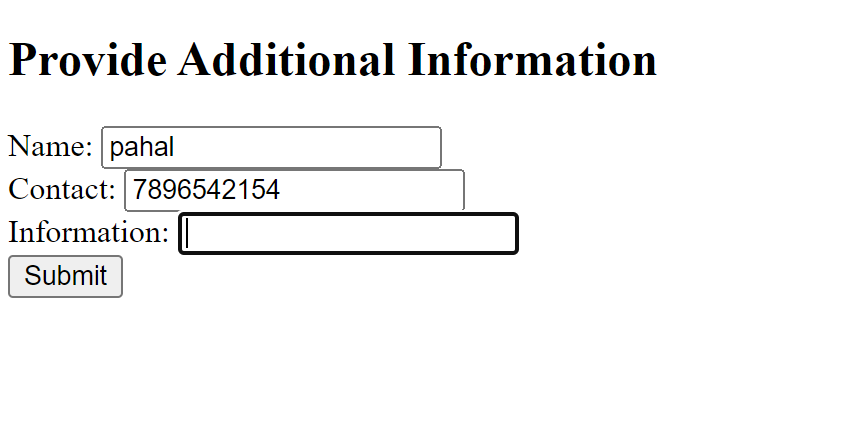
</div>

</form>

</body>

</html>

Output:-



\*\*\*\*guest.aspx.cs\*\*\*\*

using System;

using System.Data;

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.Web.Configuration;

namespace missperson

{

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

{

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

{

}

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

{

string connString = WebConfigurationManager.ConnectionStrings["MissingPersonsDB"].ConnectionString;

using (SqlConnection conn = new SqlConnection(connString))

{

conn.Open();

string query = "INSERT INTO GuestInfo (Name, Contact, Information) VALUES (@name, @contact, @information)";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.Parameters.AddWithValue("@name", txtGuestName.Text);

cmd.Parameters.AddWithValue("@contact", txtGuestContact.Text);

cmd.Parameters.AddWithValue("@information", txtGuestInfo.Text);

cmd.ExecuteNonQuery();

lblGuestMessage.Text = "Thank you for your information!";

}

}

}

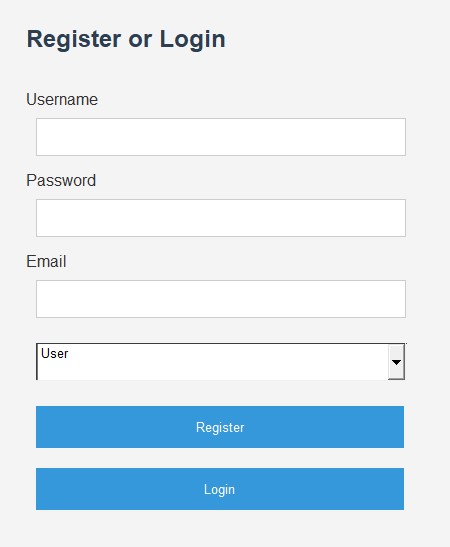
}

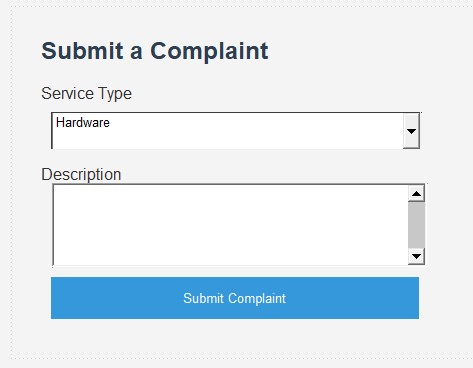
ASSIGNMENT : 3

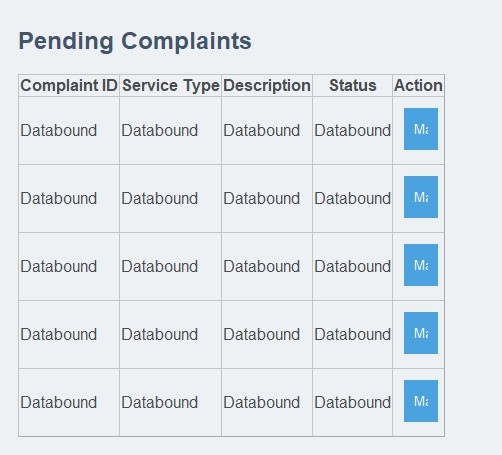
Develop “Online Complaint System” by providing following functionality.

 Technician: - Login - View and Update status (Pending / solved) of the complaint

 Registered user: - Give complaints according to services (Hardware / Software/ Internet)







\*\*\*\*RegistrationLogin.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="RegistrationLogin.aspx.cs"

Inherits="ComplaintSystem.RegistrationLogin" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Registration/Login</title>

</head>

<body>

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

<h2>Register or Login</h2>

<asp:Label runat="server" ID="lblMessage" ForeColor="Red"> </asp:Label><br />

<asp:Label Text="Username" runat="server" /><br />

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

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

<asp:TextBox ID="txtPassword" runat="server" TextMode="Password" /> <br />

<asp:Label Text="Email" runat="server" /><br />

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

<asp:DropDownList ID="ddlRole" runat="server">

<asp:ListItem Text="User" Value="User"></asp:ListItem>

<asp:ListItem Text="Technician" Value="Technician"></asp:ListItem>

</asp:DropDownList><br />

<asp:Button ID="btnRegister" Text="Register" OnClick="btnRegister\_Click" runat="server" />

<asp:Button ID="btnLogin" Text="Login" OnClick="btnLogin\_Click" runat="server" /><br />

</form>

</body>

</html>

\*\*\*\*RegistrationLogin.aspx.cs\*\*\*\*

using System;

using System.Data;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace ComplaintSystem

{

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

{

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

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "INSERT INTO Users (Username, Password, Email, Role) VALUES ('" + txtUsername.Text + "', '" + txtPassword.Text + "', '" + txtEmail.Text + "', '" + ddlRole.SelectedValue + "')";

SqlCommand cmd = new SqlCommand(query, conn);

try {

cmd.ExecuteNonQuery();

lblMessage.Text = "Registration successful!";

}

catch (SqlException ex)

{

lblMessage.Text = "Registration failed: " + ex.Message;

}

}

}

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

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "SELECT UserId, Role FROM Users WHERE Username = '" + txtUsername.Text + "' AND Password = '" + txtPassword.Text + " '";

SqlCommand cmd = new SqlCommand(query, conn);

var reader = cmd.ExecuteReader();

if (reader.Read()) {

Session["UserId"] = reader["UserId"];

Session["Role"] = reader["Role"];

if (Session["Role"].ToString() == "Technician") {

Response.Redirect("TechnicianDashboard.aspx");

} else

{

Response.Redirect("UserComplaint.aspx");

}

}

else

{

lblMessage.Text = "Invalid Username or Password!";

}

}

}

}

}

* User Complaint Submission Page

\*\*\*\*UserComplaint.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="UserComplaint.aspx.cs"

Inherits="ComplaintSystem.UserComplaint" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Submit Complaint</title>

</head>

<body>

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

<h2>Submit a Complaint</h2>

<asp:Label Text="Service Type" runat="server" /><br />

<asp:DropDownList ID="ddlServiceType" runat="server">

<asp:ListItem Text="Hardware" Value="Hardware"></asp:ListItem>

<asp:ListItem Text="Software" Value="Software"></asp:ListItem>

<asp:ListItem Text="Internet" Value="Internet"></asp:ListItem>

</asp:DropDownList><br />

<asp:Label Text="Description" runat="server" /><br />

<asp:TextBox ID="txtDescription" runat="server" TextMode="MultiLine" Rows="5" /><br />

<asp:Button ID="btnSubmit" Text="Submit Complaint"

OnClick="btnSubmit\_Click" runat="server" />

<asp:Label runat="server" ID="lblMessage"

ForeColor="Green"></asp:Label><br />

</form>

</body>

</html>

\*\*\*\*UserComplaint.aspx.cs\*\*\*\*

using System;

using System.Data;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace ComplaintSystem

{

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

{

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

{

int userId = Convert.ToInt32(Session["UserId"]); // Assuming user is logged in

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "INSERT INTO Complaints (UserId, ServiceType, Description) VALUES (" + userId + ", '" + ddlServiceType.SelectedValue + "', '" + txtDescription.Text + "')";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.ExecuteNonQuery();

lblMessage.Text = "Complaint submitted successfully!";

}

}

}

}

* Technician Dashboard

\*\*\*\*TechnicianDashboard.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="TechnicianDashboard.aspx.cs" Inherits="ComplaintSystem.TechnicianDashboard" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Technician Dashboard</title>

</head>

<body>

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

<h2>Pending Complaints</h2>

<asp:GridView ID="gvComplaints" runat="server"

AutoGenerateColumns="False">

<Columns>

<asp:BoundField DataField="ComplaintId" HeaderText="Complaint ID" />

<asp:BoundField DataField="ServiceType" HeaderText="Service Type" />

<asp:BoundField DataField="Description" HeaderText="Description" />

<asp:BoundField DataField="Status" HeaderText="Status" />

<asp:TemplateField HeaderText="Action">

<ItemTemplate>

<asp:Button ID="btnSolve" Text="Mark as Solved" CommandArgument='<%# Eval("ComplaintId") %>

OnClick="btnSolve\_Click" runat="server" />

</ItemTemplate>

</asp:TemplateField>

</Columns>

</asp:GridView>

</form>

</body>

</html>

\*\*\*\*TechnicianDashboard.aspx.cs\*\*\*\*

using System;

using System.Configuration;

using System.Data.SqlClient;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace ComplaintSystem

{

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

{

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

if (Session["UserId"] == null || Session["Role"].ToString() != "Technician") { Response.Redirect("RegistrationLogin.aspx"); }

if (!IsPostBack) { LoadComplaints(); }

}

private void LoadComplaints() {

using (SqlConnection conn = new SqlConnection("YourConnectionString")) {

SqlDataAdapter da = new SqlDataAdapter("SELECT

ComplaintId, ServiceType, Description, Status FROM Complaints WHERE Status = 'Pending'", conn);

DataTable dt = new DataTable();

da.Fill(dt);

gvComplaints.DataSource = dt;

gvComplaints.DataBind();

}

}

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

{

Button btn = (Button)sender;

int complaintId = Convert.ToInt32(btn.CommandArgument);

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "UPDATE Complaints SET Status = 'Solved' WHERE ComplaintId = " + complaintId;

SqlCommand cmd = new SqlCommand(query, conn);

cmd.ExecuteNonQuery();

LoadComplaints(); // Refresh the complaint list

}

}

}

}

ASSIGNMENT : 4

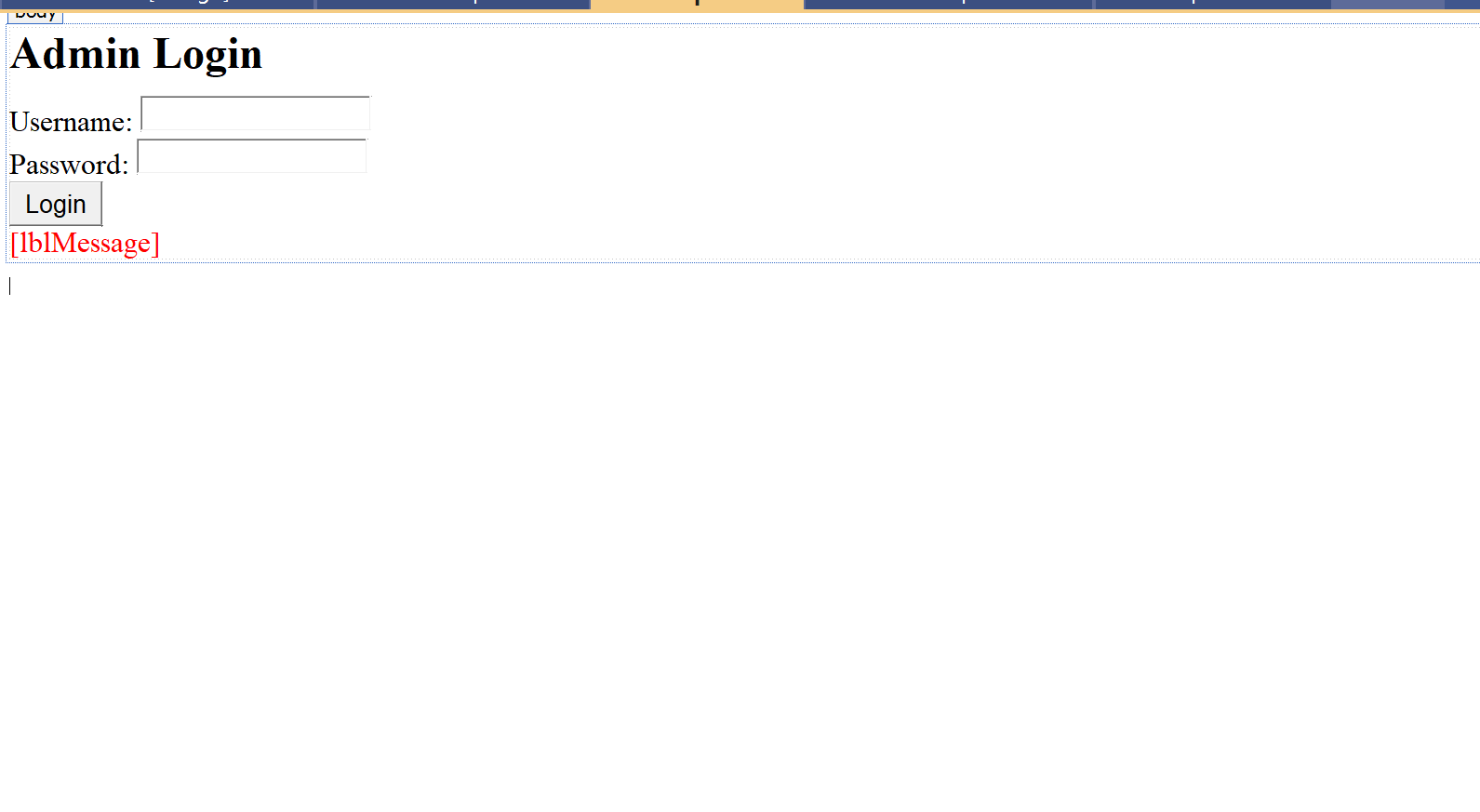
Develop “Courier Service System” by providing following functionality.

 Administrator: – Default Login – Maintain (Insert, Update, Display)

 Courier information Customer: – View courier status (through tracking ID)

* admin.login

design:-



\*\*\*\*admin.aspx\*\*\*\*

Code:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="admin.aspx.cs" Inherits="courier.admin" %>

<!DOCTYPE html>

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

<head runat="server">

<title> Admin Login</title>

</head>

<body>

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

<h2>Admin Login</h2>

<div>

Username: <asp:TextBox ID="txtUsername" runat="server" ></asp:TextBox>

</div>

<div>

Password: <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"></asp:TextBox>

</div>

<div>

<asp:Button ID="btnLogin" runat="server" Text="Login" OnClick="btnLogin\_Click" />

</div>

<div>

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

</div>

</form>

</body>

</html>

Table:-

CREATE TABLE [dbo].[ Admin] (

[AdminId] INT IDENTITY (1, 1) NOT NULL,

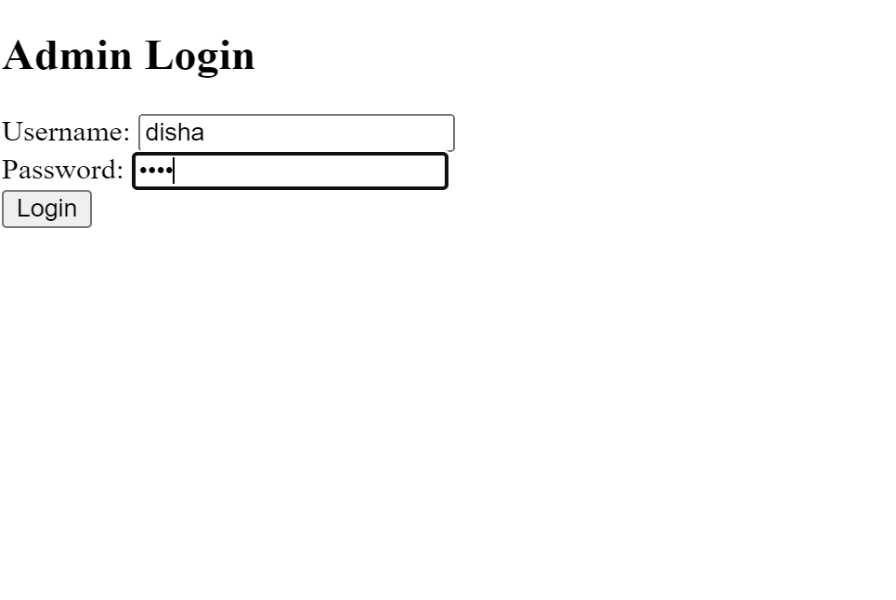
[username] NVARCHAR (50) NULL,

[password] NVARCHAR (50) NULL,

PRIMARY KEY CLUSTERED ([AdminId] ASC)

);

Output:-



\*\*\*\*Admin.aspx.cs\*\*\*\*

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data;

using System.Configuration;

namespace courier

{

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

{

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

{

}

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

{

try

{

string username = txtUsername.Text;

string password = txtPassword.Text;

string connStr = "Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=\"H:\\disha\\sem 5\\asp practical\\courier\\courier\\App\_Data\\CourierDB.mdf\";Integrated Security=True";

using (SqlConnection conn = new SqlConnection(connStr))

{

conn.Open();

string query = "SELECT COUNT(1) FROM Admin WHERE Username = @Username AND Password = @Password";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.Parameters.AddWithValue("@Username", username);

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

int count = Convert.ToInt32(cmd.ExecuteScalar());

if (count == 1)

{

Session["AdminLoggedIn"] = true;

Response.Redirect("ManageCouriers.aspx");

}

Else{

lblMessage.Text = "Invalid credentials!";

}

}

}

catch (Exception ex){

lblMessage.Text = "Error: " + ex.Message;

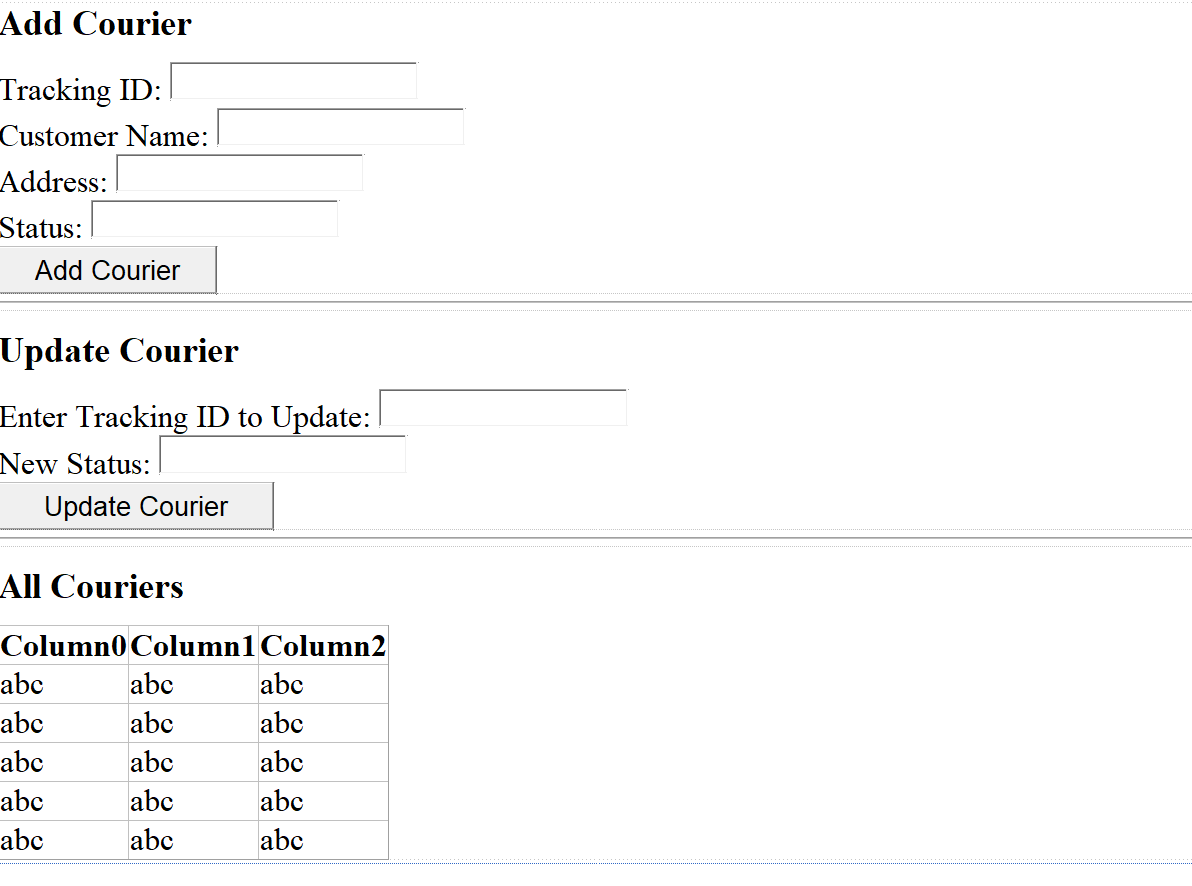
}

}

}

}

\*\*\*\*ManageCouriers.aspx\*\*\*\*

Design:- 

Code:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ManageCouriers.aspx.cs" Inherits="courier.ManageCouriers" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Manage Couriers</title>

</head>

<body>

<h2>Manage Couriers</h2>

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

<h3>Add Courier</h3>

<div>

Tracking ID: <asp:TextBox ID="txtTrackingID" runat="server" ></asp:TextBox>

</div>

<div>

Customer Name: <asp:TextBox ID="txtCustomerName" runat="server" ></asp:TextBox>

</div>

<div>

Address: <asp:TextBox ID="txtAddress" runat="server"></asp:TextBox>

</div>

<div>

Status: <asp:TextBox ID="txtStatus" runat="server"></asp:TextBox>

</div>

<div>

<asp:Button ID="btnAddCourier" runat="server" Text="Add Courier" OnClick="btnAddCourier\_Click"/>

</div>

<br />

<h3>Update Courier</h3>

<div>

Enter Tracking ID to Update: <asp:TextBox ID="txtUpdateTrackingID" runat="server"></asp:TextBox>

</div>

<div>

New Status: <asp:TextBox ID="txtNewStatus" runat="server"></asp:TextBox>

</div>

<div>

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

</div>

<br />

<h3>All Couriers</h3>

<asp:GridView ID="GridView1" runat="server"></asp:GridView>

</form>

</body>

</html>

Table:-

CREATE TABLE [dbo].[Couriers ] (

[CourierId] INT NOT NULL,

[ TrackingID] NVARCHAR (50) NULL,

[CustomerName] NVARCHAR (50) NULL,

[ Address ] NVARCHAR (50) NULL,

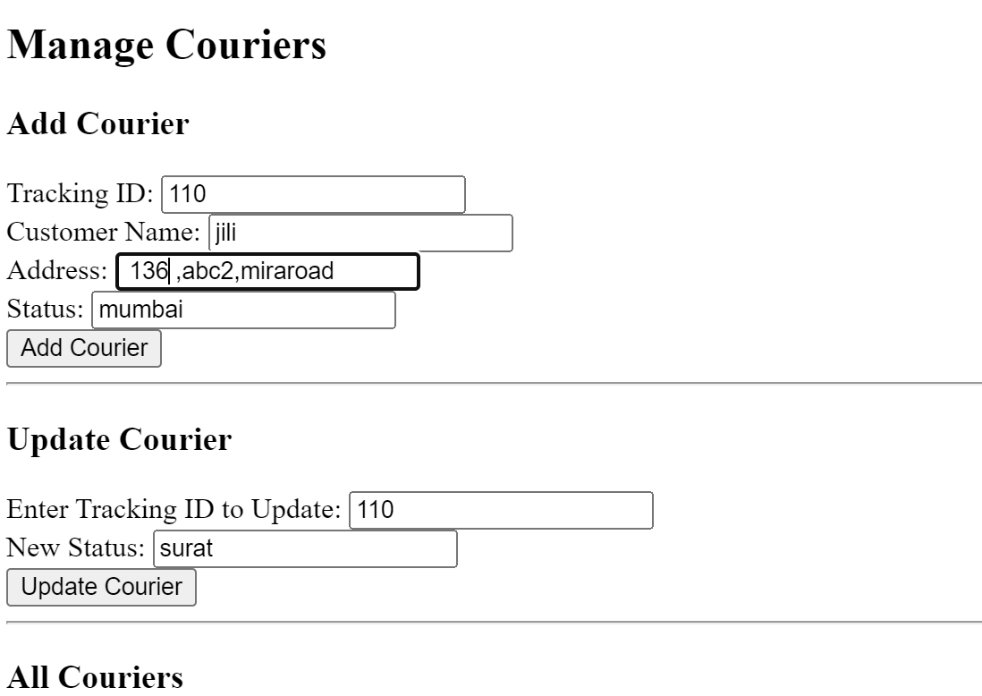
[DeliveryStatus ] NVARCHAR (50) NULL,

PRIMARY KEY CLUSTERED ([CourierId] ASC),

UNIQUE NONCLUSTERED ([ TrackingID] ASC)

);

Output:-



\*\*\*\*ManageCouriers.aspx.cs\*\*\*\*

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Configuration;

using System.Web.Util;

namespace courier

{

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

{

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

{

if (!IsPostBack{

LoadCouriers();

}

}

private void LoadCouriers()

{

string connStr = "Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=\"H:\\disha\\sem 5\\asp practical\\courier\\App\_Data\\CourierDB.mdf\";Integrated Security=True";

using (SqlConnection conn = new SqlConnection(connStr)){

conn.Open();

string query = "SELECT \* FROM Couriers";

SqlDataAdapter da = new SqlDataAdapter(query, conn);

DataTable dt = new DataTable();

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

}

}

protected void btnAddCourier\_Click(object sender, EventArgs e){

string trackingID = txtTrackingID.Text;

string customerName = txtCustomerName.Text;

string address = txtAddress.Text;

string status = txtStatus.Text;

string connStr = "Data Source=.;Initial Catalog=CourierDB;Integrated Security=True";

using (SqlConnection conn = new SqlConnection(connStr))

{

conn.Open();

string query = "INSERT INTO Couriers (TrackingID, CustomerName, Address, DeliveryStatus) VALUES (@TrackingID, @CustomerName, @Address, @Status)";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.Parameters.AddWithValue("@TrackingID", trackingID);

cmd.Parameters.AddWithValue("@CustomerName", customerName);

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

cmd.Parameters.AddWithValue("@Status", status);

cmd.ExecuteNonQuery();

}

LoadCouriers();

}

protected void btnUpdateCourier\_Click(object sender, EventArgs e){

string trackingID = txtUpdateTrackingID.Text;

string newStatus = txtNewStatus.Text;

string connStr = "Data Source=.;Initial Catalog=CourierDB;Integrated Security=True";

using (SqlConnection conn = new SqlConnection(connStr))

{

conn.Open();

string query = "UPDATE Couriers SET DeliveryStatus = @Status WHERE TrackingID = @TrackingID";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.Parameters.AddWithValue("@TrackingID", trackingID);

cmd.Parameters.AddWithValue("@Status", newStatus);

cmd.ExecuteNonQuery();

}

LoadCouriers();

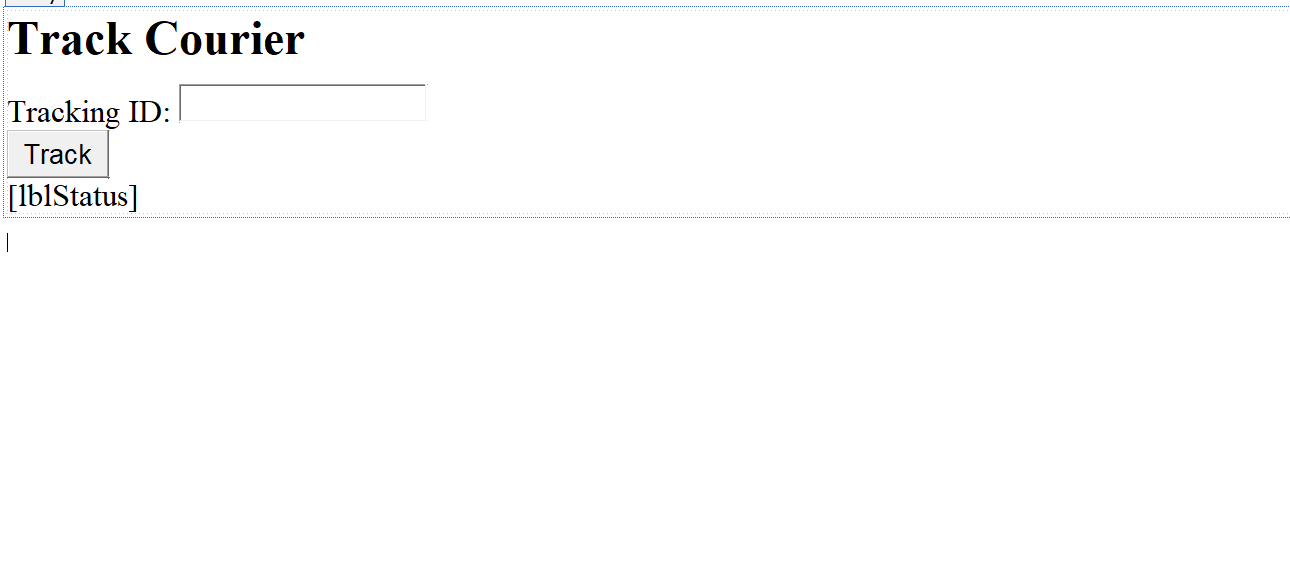
}

}

}

\*\*\*\*TrackCourier.aspx\*\*\*\*

Design:-



Code:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="TrackCourier.aspx.cs" Inherits="courier.TrackCourier" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Track Courier</title>

</head>

<body>

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

<h2>Track Courier</h2>

<div>

Tracking ID: <asp:TextBox ID="txtTrackingID" runat="server"></asp:TextBox>

</div>

<div>

<asp:Button ID="btnTrack" runat="server" Text="Track" OnClick="btnTrack\_Click" />

</div>

<div>

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

</div>

</form>

</body>

</html>

Table:-

CREATE TABLE [dbo].[Customers] (

[CustomerId] INT IDENTITY (1, 1) NOT NULL,

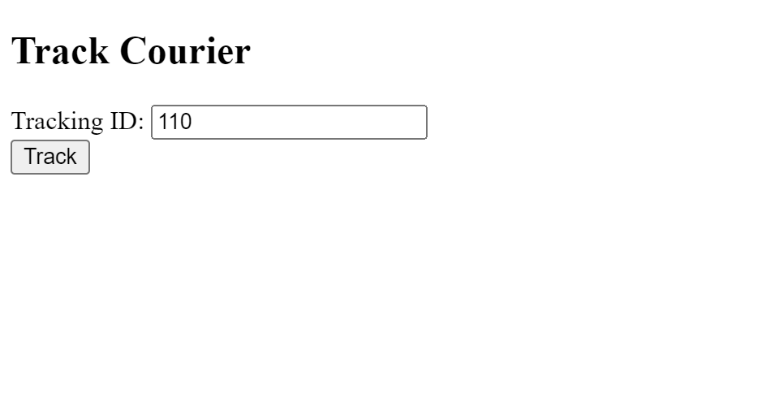
[CustomerName] NVARCHAR (50) NULL,

[ Email] NVARCHAR (50) NULL,

PRIMARY KEY CLUSTERED ([CustomerId] ASC)

);

Output:-



\*\*\*\*TrackCourier.aspx.cs\*\*\*\*

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data;

using System.Configuration;

namespace courier

{

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

{

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

{

}

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

{

string trackingID = txtTrackingID.Text;

string connStr = "Data Source=.;Initial Catalog=CourierDB;Integrated Security=True";

using (SqlConnection conn = new SqlConnection(connStr))

{

conn.Open();

string query = "SELECT DeliveryStatus FROM Couriers WHERE TrackingID = @TrackingID";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.Parameters.AddWithValue("@TrackingID", trackingID);

object status = cmd.ExecuteScalar();

if (status != null){

lblStatus.Text = "Status: " + status.ToString();

}else

{

lblStatus.Text = "Invalid Tracking ID!";

}

}

}

}

}

ASSIGNMENT : 5

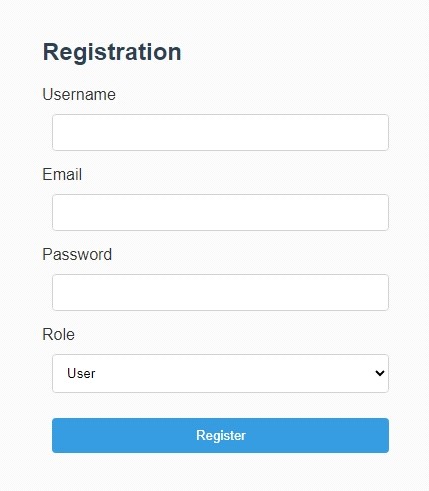
Develop the “Stock Management System” by providing following functionality.

 Admin: - Login - Maintain (Insert, Update, Display) stock information

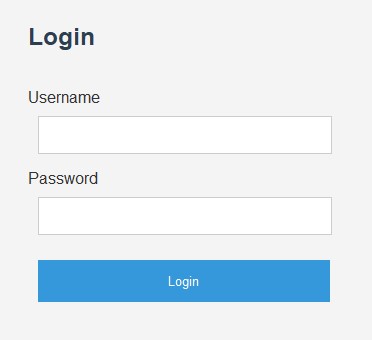
 User: - Registration Login - Purchase stock

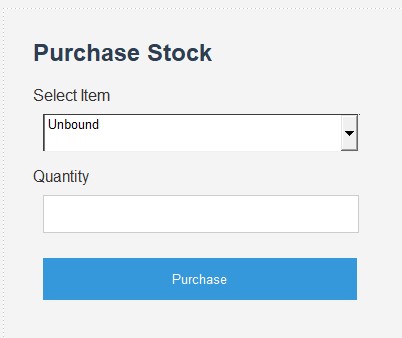
=>

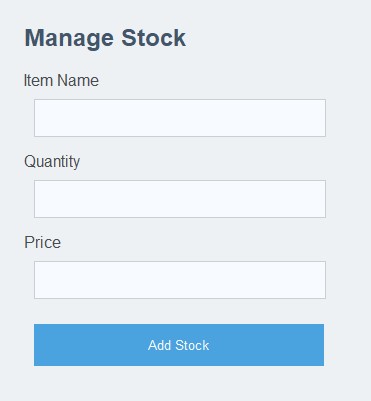
Registration page:-

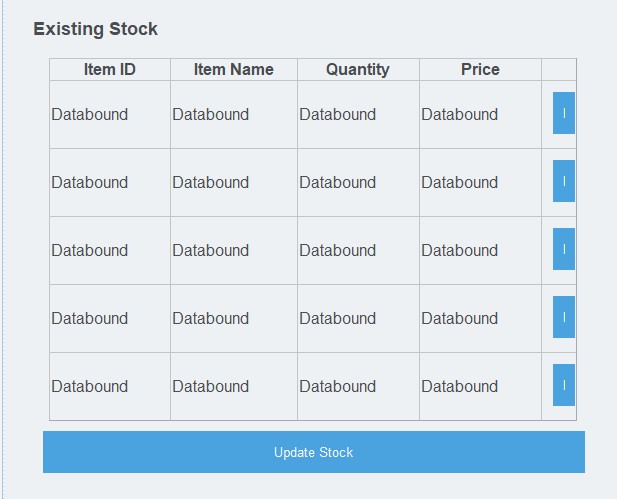


Login page:-









* Registration Page

\*\*\*\*Registration.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Registration.aspx.cs"

Inherits="StockManagementSystem.Registration" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Registration</title>

</head>

<body>

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

<h2>Registration</h2>

<asp:Label Text="Username" runat="server" /><br />

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

<asp:Label Text="Email" runat="server" /><br />

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

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

<asp:TextBox ID="txtPassword" runat="server" TextMode="Password" /><br />

<asp:Label Text="Role" runat="server" /><br />

<asp:DropDownList ID="ddlRole" runat="server">

<asp:ListItem Text="User" Value="User" />

<asp:ListItem Text="Admin" Value="Admin" />

</asp:DropDownList>

<br />

<asp:Button ID="btnRegister" Text="Register" OnClick="btnRegister\_Click" runat="server" />

</form>

</body>

</html>

\*\*Registration.aspx.cs\*\*

using System;

using System.Data;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace StockManagementSystem

{

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

{

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

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "INSERT INTO User (Username, Password, Email, Role) VALUES ('" + txtUsername.Text + "', '" + txtPassword.Text + "', '" + txtEmail.Text + "', '" + ddlRole.SelectedValue + "')"; SqlCommand cmd = new SqlCommand(query, conn); cmd.ExecuteNonQuery();

}

}

}

}

* Login Page

\*\*\*\*Login.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Login.aspx.cs" Inherits="StockManagementSystem.Login" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Login</title>

</head>

<body>

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

<h2>Login</h2>

<asp:Label runat="server" ID="lblMessage"

ForeColor="Red"></asp:Label><br />

<asp:Label Text="Username" runat="server" /><br />

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

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

<asp:TextBox ID="txtPassword" runat="server" TextMode="Password" /><br />

<asp:Button ID="btnLogin" Text="Login" OnClick="btnLogin\_Click" runat="server" />

</form>

</body>

</html>

\*\*\*\*Login.aspx.cs\*\*\*\*

using System;

using System.Data;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace StockManagementSystem

{

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

{

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

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "SELECT UserId, Role FROM User WHERE Username = '" + txtUsername.Text + "' AND Password = '" + txtPassword.Text + "'";

SqlCommand cmd = new SqlCommand(query, conn);

SqlDataReader reader = cmd.ExecuteReader();

if (reader.Read()) {

Session["UserId"] = reader["UserId"];

Session["Role"] = reader["Role"];

Response.Redirect("StockManagement.aspx");

} else

{

lblMessage.Text = "Invalid Username or Password!";

}

}

}

}

}

* Stock Management Page

\*\*\*\*StockManagement.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="StockManagement.aspx.cs"

Inherits="StockManagementSystem.StockManagement" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Stock Management</title>

</head>

<body>

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

<h2>Manage Stock</h2>

<asp:Label Text="Item Name" runat="server" /><br />

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

<asp:Label Text="Quantity" runat="server" /><br />

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

<asp:Label Text="Price" runat="server" /><br />

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

<asp:Button ID="btnAddStock" Text="Add Stock" OnClick="btnAddStock\_Click" runat="server" /><br /><br />

<h3>Existing Stock</h3>

<asp:GridView ID="gvStock" runat="server" AutoGenerateColumns="False"

OnRowCommand="gvStock\_RowCommand">

<Columns>

<asp:BoundField DataField="ItemId" HeaderText="Item ID" />

<asp:BoundField DataField="ItemName" HeaderText="Item Name" />

<asp:BoundField DataField="Quantity" HeaderText="Quantity" />

<asp:BoundField DataField="Price" HeaderText="Price" />

<asp:TemplateField>

<ItemTemplate>

<asp:Button ID="btnEdit" runat="server"

CommandName="EditStock" CommandArgument='<%# Eval("ItemId") %>' Text="Edit" />

</ItemTemplate>

</asp:TemplateField>

</Columns>

</asp:GridView>

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

</form>

</body>

</html>

\*\*\*\*StockManagement.aspx.cs\*\*\*\*

using System;

using System.Data;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace StockManagementSystem

{

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

{

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

{

if (Session["Role"] == null || Session["Role"].ToString() != "Admin") { Response.Redirect("Login.aspx"); }

if (!IsPostBack) {

LoadStock();

}

}

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

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "INSERT INTO Stock (ItemName, Quantity, Price) VALUES ('" + txtItemName.Text + "', " + txtQuantity.Text + ", " + txtPrice.Text + ")";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.ExecuteNonQuery();

LoadStock();

}

}

private void LoadStock() {

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

SqlDataAdapter da = new SqlDataAdapter("SELECT \* FROM Stock", conn);

DataTable dt = new DataTable();

da.Fill(dt);

gvStock.DataSource = dt;

gvStock.DataBind();

}

}

protected void gvStock\_RowCommand(object sender, GridViewCommandEventArgs e)

{

if (e.CommandName == "EditStock") {

int itemId = Convert.ToInt32(e.CommandArgument);

LoadStockForEdit(itemId);

}

}

private void LoadStockForEdit(int itemId)

{

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "SELECT \* FROM Stock WHERE ItemId = " + itemId;

SqlCommand cmd = new SqlCommand(query, conn);

SqlDataReader reader = cmd.ExecuteReader();

if (reader.Read()) {

txtItemName.Text = reader["ItemName"].ToString();

txtQuantity.Text = reader["Quantity"].ToString();

txtPrice.Text = reader["Price"].ToString();

ViewState["ItemId"] = itemId;

}

}

}

protected void btnUpdateStock\_Click(object sender, EventArgs e) {

int itemId = Convert.ToInt32(ViewState["ItemId"]);

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

string query = "UPDATE Stock SET ItemName = '" + txtItemName.Text + "', Quantity = " + txtQuantity.Text + ", Price = " + txtPrice.Text + " WHERE ItemId = " + itemId;

SqlCommand cmd = new SqlCommand(query, conn);

cmd.ExecuteNonQuery();

LoadStock();

}

}

}

}

* Purchase Page for User

\*\*\*\*Purchase.aspx\*\*\*\*

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Purchase.aspx.cs"

Inherits="StockManagementSystem.Purchase" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>Purchase Stock</title>

</head>

<body>

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

<h2>Purchase Stock</h2>

<asp:Label Text="Select Item" runat="server" /><br />

<asp:DropDownList ID="ddlItems" runat="server"></asp:DropDownList><br />

<asp:Label Text="Quantity" runat="server" /><br />

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

<asp:Button ID="btnPurchase" Text="Purchase" OnClick="btnPurchase\_Click" runat="server" />

<asp:Label runat="server" ID="lblMessage" ForeColor="Green"></asp:Label><br />

</form>

</body>

</html>

\*\*\*\*Purchase.aspx.cs\*\*\*\*

using System;

using System.Data;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace StockManagementSystem

{

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

{

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

{

if (Session["UserId"] == null) { Response.Redirect("Login.aspx");

}

if (!IsPostBack) { LoadItems(); }

}

private void LoadItems() {

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

SqlDataAdapter da = new SqlDataAdapter("SELECT ItemId, ItemName FROM Stock", conn);

DataTable dt = new DataTable();

da.Fill(dt);

ddlItems.DataSource = dt;

ddlItems.DataTextField = "ItemName";

ddlItems.DataValueField = "ItemId";

ddlItems.DataBind();

}

}

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

{

int userId = Convert.ToInt32(Session["UserId"]);

int itemId = Convert.ToInt32(ddlItems.SelectedValue);

int quantity = Convert.ToInt32(txtQuantity.Text);

using (SqlConnection conn = new SqlConnection("YourConnectionString"))

{

conn.Open();

// Checks the available stock

string stockQuery = "SELECT Quantity FROM Stock WHERE ItemId = " + itemId;

SqlCommand stockCmd = new SqlCommand(stockQuery, conn);

int availableStock = (int)stockCmd.ExecuteScalar();

if (quantity > availableStock) {

lblMessage.Text = "Not enough stock available!";

return;

}

// Insert the purchase records

string purchaseQuery = "INSERT INTO Purchase (UserId, ItemId, Quantity) VALUES (" + userId + ", " + itemId + ", " + quantity + ")";

SqlCommand purchaseCmd = new SqlCommand(purchaseQuery, conn); purchaseCmd.ExecuteNonQuery();

// Update the stock quantity

string updateStockQuery = "UPDATE Stock SET Quantity = Quantity - " + quantity + " WHERE ItemId = " + itemId;

SqlCommand updateStockCmd = new

SqlCommand(updateStockQuery, conn);

updateStockCmd.ExecuteNonQuery();

lblMessage.Text = "Purchase successful!";

}

}

}

}