# **WebApplication1 (Web Forms)**

## Start

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div style="height: 80px; width: 233px;">

<asp:Button ID="NewUser" runat="server" OnClick="Button1\_Click" Text="New User" Width="110px" />

&nbsp;

<asp:Button ID="ExistingUser" runat="server" Text="Existing User" Width="110px" OnClick="ExistingUser\_Click" />

<br />

<br />

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

<asp:Button ID="Admin" runat="server" OnClick="Admin\_Click" Text="Admin" Width="110px" />

</div>

<p>

&nbsp;</p>

</form>

</body>

</html>

namespace WebApplication1

{

public partial class WebForm1 : System.Web.UI.Page

{

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

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

Response.Redirect("Add\_User.aspx");

}

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

{

Response.Redirect("Login.aspx");

}

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

{

Response.Redirect("AdminLogin.aspx");

}

}

}

## Add User

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div>

&nbsp;<asp:Label ID="Label1" runat="server" Text="Username"></asp:Label>

&nbsp;

<asp:TextBox ID="Username" runat="server" style="margin-left: 0px" Width="136px"></asp:TextBox>

<br />

<asp:Label ID="Label2" runat="server" Text="Password"></asp:Label>

&nbsp;&nbsp;

<asp:TextBox ID="Password" runat="server" Type="password" Width="136px"></asp:TextBox>

<br />

Email&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="Email" runat="server" style="margin-left: 3px" Width="136px"></asp:TextBox>

<br />

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

<br />

<asp:Button ID="OK" runat="server" Text="OK" Width="46px" OnClick="OK\_Click" />

&nbsp;

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

</div>

</form>

</body>

</html>

namespace WebApplication1

{

public partial class Add\_User : System.Web.UI.Page

{

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

{

}

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

{

Response.Redirect("Start.aspx");

}

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

SqlCommand cmd2 = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "INSERT INTO Users (Username, Password, Email) VALUES (@username, @password, @email)";

cmd2.Connection = conn;

cmd2.CommandText = "SELECT COUNT(\*) FROM Users WHERE Username = @username";

cmd.Parameters.Add("@username", SqlDbType.NChar).Value = Username.Text;

cmd.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(Password.Text);

cmd.Parameters.Add("@email", SqlDbType.NChar).Value = Email.Text;

cmd2.Parameters.Add("@username", SqlDbType.NChar).Value = Username.Text;

if (Username.Text == "" || Password.Text == "")

{

Error.Text = "You must enter a username and password.";

}

else {

conn.Open();

int rownumber = (int)cmd2.ExecuteScalar();

if (rownumber > 0)

{

Error.Text = "There is already a user with that name.";

conn.Close();

}

else

{

cmd.ExecuteNonQuery();

conn.Close();

Response.Redirect("Start.aspx");

}

}

}

}

}

## Login

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div>

Username

<asp:TextBox ID="Username" runat="server" Width="128px"></asp:TextBox>

<br />

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

<asp:TextBox ID="Password" runat="server" Type="password" style="margin-left: 6px" Width="128px"></asp:TextBox>

<br />

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

<br />

<asp:Button ID="OK" runat="server" OnClick="OK\_Click" Text="OK" Width="46px" />

&nbsp;<asp:Button ID="Back" runat="server" OnClick="Back\_Click" Text="Back" />

</div>

</form>

</body>

</html>

namespace WebApplication1

{

public partial class WebForm2 : System.Web.UI.Page

{

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

{

}

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

{

Response.Redirect("Start.aspx");

}

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

cmd.Parameters.Add("@username", SqlDbType.NChar).Value = Username.Text;

cmd.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(Password.Text);

cmd.CommandText = "SELECT COUNT(\*) FROM Users WHERE Username=@username AND Password=@password";

cmd.Connection = conn;

conn.Open();

int rownumber = (int)cmd.ExecuteScalar();

if (rownumber > 0)

{

Session["Username"] = Username.Text;

Session["Message"] = "Welcome, " + Session["Username"] + ".";

Response.Redirect("User.aspx");

}

else

{

Incorrect.Text = "Incorrect username or password.";

}

conn.Close();

}

}

}

## User

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div>

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

<br />

<asp:Button ID="ViewStock" runat="server" OnClick="ViewStock\_Click" Text="View Stock" Width="101px" />

&nbsp;<asp:Button ID="EditDetails" runat="server" OnClick="EditDetails\_Click" Text="Edit Details" />

<br />

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

<asp:Button ID="Back" runat="server" OnClick="Back\_Click" Text="Back" Width="101px" />

<br />

</div>

</form>

</body>

</html>

namespace WebApplication1

{

public partial class User1 : System.Web.UI.Page

{

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

{

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

{

Welcome.Text = Session["Message"].ToString();

}

else

{

Response.Redirect("Login.aspx");

}

}

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

{

Response.Redirect("ViewStock.aspx");

}

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

{

Response.Redirect("EditDetails.aspx");

}

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

{

Session.Abandon();

Response.Redirect("Login.aspx");

}

}

}

## View Stock

<!DOCTYPE html>

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

<head runat="server">

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

<title></title>

</head>

<body>

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

<div>

<asp:GridView ID ="stock" runat="server">

</asp:GridView>

<br />

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

</div>

</form>

</body>

</html>

namespace WebApplication1

{

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

{

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

{

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

cmd.CommandText = "SELECT \* FROM Stock";

cmd.Connection = conn;

conn.Open();

SqlDataReader reader = cmd.ExecuteReader();

stock.DataSource = reader;

stock.DataBind();

conn.Close();

}

else

{

Response.Redirect("Login.aspx");

}

}

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

{

Response.Redirect("User.aspx");

}

}

}

## Edit Details

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div>

Username

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

<br />

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

&nbsp;<asp:TextBox ID="Password" runat="server" Type="password"></asp:TextBox>

<br />

Email&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="Email" runat="server"></asp:TextBox>

&nbsp;<br />

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

<br />

<asp:Button ID="OK" runat="server" Text="OK" Width="46px" OnClick="OK\_Click" />

&nbsp;<asp:Button ID="Back" runat="server" Text="Back" OnClick="Back\_Click" />

</div>

</form>

</body>

</html>

namespace WebApplication1

{

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

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

{

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

{

}

else

{

Response.Redirect("Login.aspx");

}

}

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

{

SqlCommand cmd2 = new SqlCommand();

SqlCommand cmd3 = new SqlCommand();

cmd2.Connection = conn;

cmd3.Connection = conn;

cmd3.CommandText = "SELECT COUNT(\*) FROM Users WHERE Username=@username";

cmd3.Parameters.Add("@username", SqlDbType.NChar).Value = Username.Text;

conn.Open();

int rownumber = (int)cmd3.ExecuteScalar();

if (rownumber > 0)

{

Error.Text = "There is already a user with that name.";

}

else if (Username.Text == "" && Password.Text == "" && Email.Text == "")

{

Error.Text = "You must enter at least one variable to edit.";

}

else

{

if (Username.Text == "" && Password.Text != "" && Email.Text != "")

{

cmd2.CommandText = "UPDATE Users SET Password = @password, Email = @email WHERE (Username='" + Session["Username"] + "')";

cmd2.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(Password.Text);

cmd2.Parameters.Add("@email", SqlDbType.NChar).Value = Email.Text;

cmd2.ExecuteNonQuery();

conn.Close();

Session["Message"] = "Your details have been successfully updated.";

Response.Redirect("User.aspx");

}

else if (Username.Text != "" && Password.Text == "" && Email.Text != "")

{

cmd2.CommandText = "UPDATE Users SET Username=@username, Email = @email WHERE (Username='" + Session["Username"] + "')";

cmd2.Parameters.Add("@username", SqlDbType.NChar).Value = Username.Text;

cmd2.Parameters.Add("@email", SqlDbType.NChar).Value = Email.Text;

cmd2.ExecuteNonQuery();

conn.Close();

Session["Username"] = Username.Text;

Session["Message"] = "Your details have been successfully updated.";

Response.Redirect("User.aspx");

}

else if (Username.Text != "" && Password.Text != "" && Email.Text == "")

{

cmd2.CommandText = "UPDATE Users SET Username=@username, Password = @password WHERE (Username='" + Session["Username"] + "')";

cmd2.Parameters.Add("@username", SqlDbType.NChar).Value = Username.Text;

cmd2.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(Password.Text);

cmd2.ExecuteNonQuery();

conn.Close();

Session["Username"] = Username.Text;

Session["Message"] = "Your details have been successfully updated.";

Response.Redirect("User.aspx");

}

else if (Username.Text == "" && Password.Text == "" && Email.Text != "")

{

cmd2.CommandText = "UPDATE Users SET Email = '" + Email.Text + "' WHERE (Username='" + Session["Username"] + "')";

cmd2.Parameters.Add("@email", SqlDbType.NChar).Value = Email.Text;

cmd2.ExecuteNonQuery();

conn.Close();

Session["Message"] = "Your details have been successfully updated.";

Response.Redirect("User.aspx");

}

else if (Username.Text == "" && Password.Text != "" && Email.Text == "")

{

cmd2.CommandText = "UPDATE Users SET Password = @password WHERE (Username='" + Session["Username"] + "')";

cmd2.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(Password.Text);

cmd2.ExecuteNonQuery();

conn.Close();

Session["Message"] = "Your details have been successfully updated.";

Response.Redirect("User.aspx");

}

else if (Username.Text != "" && Password.Text == "" && Email.Text == "")

{

cmd2.CommandText = "UPDATE Users SET Username=@username WHERE (Username='" + Session["Username"] + "')";

cmd2.Parameters.Add("@username", SqlDbType.NChar).Value = Username.Text;

cmd2.ExecuteNonQuery();

conn.Close();

Session["Username"] = Username.Text;

Session["Message"] = "Your details have been successfully updated.";

Response.Redirect("User.aspx");

}

else

{

cmd2.CommandText = "UPDATE Users SET Username=@username, Password = @password, Email = @email WHERE (Username='" + Session["Username"] + "')";

cmd2.Parameters.Add("@username", SqlDbType.NChar).Value = Username.Text;

cmd2.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(Password.Text);

cmd2.Parameters.Add("@email", SqlDbType.NChar).Value = Email.Text;

cmd2.ExecuteNonQuery();

conn.Close();

Session["Username"] = Username.Text;

Session["Message"] = "Your details have been successfully updated.";

Response.Redirect("User.aspx");

}

}

}

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

{

Response.Redirect("User.aspx");

}

}

}

## Admin Login

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div>

</div>

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

&nbsp;<asp:TextBox ID="Password" runat="server" type="password"></asp:TextBox>

<br />

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

<br />

<asp:Button ID="OK" runat="server" OnClick="OK\_Click" Text="OK" Width="46px" />

&nbsp;<asp:Button ID="Back" runat="server" OnClick="Back\_Click" Text="Back" />

</form>

</body>

</html>

namespace WebApplication1

{

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

{

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

{

}

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

{

Response.Redirect("Start.aspx");

}

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

cmd.CommandText = "SELECT COUNT(\*) FROM AdminPassword WHERE Admin\_Password=@password";

cmd.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(Password.Text);

cmd.Connection = conn;

conn.Open();

int rownumber = (int)cmd.ExecuteScalar();

if (rownumber > 0)

{

Session["AdminUsername"] = "Admin";

Session["AdminMessage"] = "Welcome.";

Response.Redirect("Admin.aspx");

}

else

{

Incorrect.Text = "Incorrect password.";

}

conn.Close();

}

}

}

## Admin

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div>

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

<br />

<asp:Button ID="AddStock" runat="server" Text="Add Stock" Width="159px" OnClick="AddStock\_Click" />

&nbsp;<asp:Button ID="ChangePassword" runat="server" Text="Change Password" OnClick="ChangePassword\_Click" />

<br />

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

<asp:Button ID="Back" runat="server" OnClick="Back\_Click" Text="Back" Width="159px" />

</div>

</form>

</body>

</html>

namespace WebApplication1

{

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

{

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

{

if (Session["AdminUsername"] == "Admin")

{

Welcome.Text = Session["AdminMessage"].ToString();

}

else

{

Response.Redirect("AdminLogin.aspx");

}

}

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

{

Session.Abandon();

Response.Redirect("AdminLogin.aspx");

}

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

{

Response.Redirect("AddStock.aspx");

}

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

{

Response.Redirect("ChangeAdminPassword.aspx");

}

}

}

## Add Stock

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div>

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

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

<asp:TextBox ID="StockCode" runat="server"></asp:TextBox>

<br />

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

&nbsp;<asp:TextBox ID="Description" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label2" runat="server" Text="Price /unit"></asp:Label>

&nbsp;&nbsp;

<asp:TextBox ID="PriceUnit" runat="server"></asp:TextBox>

<br />

<asp:Button ID="OK" runat="server" Text="OK" Width="46px" OnClick="OK\_Click" />

&nbsp;<asp:Button ID="Back" runat="server" OnClick="Back\_Click" Text="Back" />

</div>

</form>

</body>

</html>

namespace WebApplication1

{

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

{

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

{

if (Session["AdminUsername"] == "Admin")

{

}

else

{

Response.Redirect("AdminLogin.aspx");

}

}

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

{

Response.Redirect("Admin.aspx");

}

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

cmd.CommandText = "INSERT INTO Stock (Code, Description, PricePerUnit) VALUES (@code, @description, @priceunit)";

cmd.Parameters.Add("@code", SqlDbType.NChar).Value = StockCode.Text;

cmd.Parameters.Add("@description", SqlDbType.NChar).Value = Description.Text;

cmd.Parameters.Add("@priceunit", SqlDbType.Money).Value = PriceUnit.Text;

conn.Open();

cmd.Connection = conn;

cmd.ExecuteNonQuery();

conn.Close();

Session["AdminMessage"] = "Stock item successfully added.";

Response.Redirect("Admin.aspx");

}

}

}

## Change Admin Password

<!DOCTYPE html>

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

<head runat="server">

<title></title>

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

</head>

<body>

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

<div>

Old Password&nbsp;&nbsp;

<asp:TextBox ID="OldPassword" runat="server" type="password"></asp:TextBox>

<br />

New Password

<asp:TextBox ID="NewPassword" runat="server" type="password"></asp:TextBox>

<br />

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

<br />

<asp:Button ID="OK" runat="server" OnClick="OK\_Click" style="height: 26px" Text="OK" Width="46px" />

&nbsp;<asp:Button ID="Back" runat="server" OnClick="Back\_Click" Text="Back" />

</div>

</form>

</body>

</html>

namespace WebApplication1

{

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

{

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

{

if (Session["AdminUsername"] == "Admin")

{

}

else

{

Response.Redirect("AdminLogin.aspx");

}

}

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

{

Response.Redirect("Admin.aspx");

}

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

SqlCommand cmd2 = new SqlCommand();

cmd.CommandText = "SELECT COUNT(\*) FROM AdminPassword WHERE Admin\_Password = @password";

cmd2.CommandText = "UPDATE AdminPassword SET Admin\_Password = @password WHERE ID = '1'";

cmd.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(OldPassword.Text);

cmd2.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication1.SHA1.Encode(NewPassword.Text);

cmd.Connection = conn;

cmd2.Connection = conn;

conn.Open();

int rownumber = (int)cmd.ExecuteScalar();

if (rownumber == 0)

{

Error.Text = "Incorrect password.";

}

else

{

cmd2.ExecuteNonQuery();

}

conn.Close();

Session["AdminMessage"] = "Password successfully changed. Please notify other admins.";

Response.Redirect("Admin.aspx");

}

}

}

# **WebApplication2 (MVC)**

## Views

### Index

@{

ViewBag.Title = "Start";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>Home</h2>

@Html.ActionLink("New User", "CreateAccount", "User") <br>

@Html.ActionLink("Existing User", "UserLogin", "User") <br>

@Html.ActionLink("Admin", "AdminLogin", "Admin")

### Create Account

@model WebApplication2.Models.User

@{

ViewBag.Title = "Create Account";

}

<h2>Create Account</h2>

<div>

@using (Html.BeginForm("CreateAccount", "User", FormMethod.Post))

{

<fieldset>

<div>

@Html.LabelFor(u => u.Username)

@Html.EditorFor(u => u.Username)

</div>

<div>

@Html.LabelFor(u => u.Password)

@Html.PasswordFor(u => u.Password)

</div>

<div>

@Html.LabelFor(u => u.Email)

@Html.EditorFor(u => u.Email)

</div>

<input type="submit" value="Submit" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"]) <br>

@Html.ActionLink("Back", "Index", "Home")

</div>

### User Login

@model WebApplication2.Models.User

@{

ViewBag.Title = "UserLogin";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>Login</h2>

<div>

@using (Html.BeginForm("UserLogin", "User", FormMethod.Post))

{

<fieldset>

<div>

@Html.LabelFor(u => u.Username)

@Html.EditorFor(u => u.Username)

</div>

<div>

@Html.LabelFor(u => u.Password)

@Html.PasswordFor(u => u.Password)

</div>

<input type="submit" value="Submit" />

</fieldset>

}

@{Html.EndForm();}

@Html.Encode(ViewData["Message"]) <br>

@Html.ActionLink("Back", "Index", "Home")

</div>

### User Interface

@{

ViewBag.Title = "UserInterface";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>User Interface</h2>

@Html.Encode(Session["Message"]) <br>

@Html.ActionLink("Book a Room", "BookRoom", "User") <br>

@Html.ActionLink("Edit your Details", "EditDetails", "User") <br>

@Html.ActionLink("Back", "UserLogin", "User")

### Book Room

@model WebApplication2.Models.Booking

@{

ViewBag.Title = "BookRoom";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>Book a Room</h2>

<div>

@using (Html.BeginForm("BookRoom", "User", FormMethod.Post))

{

<fieldset>

<div>

@Html.LabelFor(u => u.Room) ([Floor] (1-4) [Room Number] (1-20))

@Html.EditorFor(u => u.Room)

</div>

<div>

Start Date (dd/mm/yyyy)

@Html.EditorFor(u => u.Start)

</div>

<div>

End Date (dd/mm/yyyy)

@Html.EditorFor(u => u.End)

</div>

<input type="submit" value="Submit" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"]) <br>

@Html.ActionLink("Back", "UserInterface", "User")

</div>

### Edit Details

@model WebApplication2.Models.User

@{

ViewBag.Title = "EditDetails";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>Edit Details</h2>

<div>

@using (Html.BeginForm("EditDetails", "User", FormMethod.Post))

{

<fieldset>

<div>

@Html.LabelFor(u => u.Username)

@Html.EditorFor(u => u.Username)

</div>

<div>

@Html.LabelFor(u => u.Password)

@Html.PasswordFor(u => u.Password)

</div>

<div>

@Html.LabelFor(u => u.Email)

@Html.EditorFor(u => u.Email)

</div>

<input type="submit" value="Submit" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"]) <br>

@Html.ActionLink("Back", "UserInterface", "User")

</div>

### Admin Login

@model WebApplication2.Models.AdminPassword

@{

ViewBag.Title = "AdminLogin";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>Admin Login</h2>

<div>

@using (Html.BeginForm("AdminLogin", "Admin", FormMethod.Post))

{

<fieldset>

<div>

Password

@Html.PasswordFor(u => u.AdminPassword1)

</div>

<input type="submit" value="Submit" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"]) <br>

@Html.ActionLink("Back", "Index", "Home")

</div>

### Admin Interface

@{

ViewBag.Title = "AdminInterface";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>Admin Interface</h2>

@Html.Encode(Session["Message"]) <br>

@Html.ActionLink("Check Bookings", "CheckBookings", "Admin") <br>

@Html.ActionLink("Change Password", "ChangePassword", "Admin") <br>

@Html.ActionLink("Back", "AdminLogin", "Admin")

### Check Bookings

@{

ViewBag.Title = "CheckBookings";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>Check Bookings</h2>

<table>

<tr>

<th>

User

</th>

<th>

Room

</th>

<th>

Start Date

</th>

<th>

End Date

</th>

</tr>

@foreach (var item in Model)

{

<tr>

<th>

@Html.Encode(item.User)

</th>

<th>

@Html.Encode(item.Room)

</th>

<th>

@Html.Encode(item.Start)

</th>

<th>

@Html.Encode(item.End)

</th>

</tr>

}

</table>

@Html.ActionLink("Back", "AdminInterface", "Admin")

### Change Admin Password

@model WebApplication2.Models.AdminPassword

@{

ViewBag.Title = "ChangePassword";

}

<h2>ChangePassword</h2>

<div>

@using (Html.BeginForm("ChangePassword", "Admin", FormMethod.Post))

{

<fieldset>

<div>

Old Password

<input type="password" id="OldPassword" name="OldPassword"/>

</div>

<div>

New Password

<input type="password" id="NewPassword" name="NewPassword" />

</div>

<div>

Confirm New Password

<input type="password" id="ConfirmNewPassword" name="ConfirmNewPassword" />

</div>

<input type="submit" value="Submit" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"]) <br>

@Html.ActionLink("Back", "AdminInterface", "Admin")

</div>

## Controllers

### User

namespace WebApplication2.Controllers

{

public class UserController : Controller

{

// GET: User

public ActionResult Index()

{

return View();

}

[HttpGet]

public ActionResult UserLogin()

{

return View();

}

[HttpPost]

public ActionResult UserLogin(User model)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

var password = model.Password;

var hashed = WebApplication2.SHA1.Encode(password);

var v = db.Users.Where(u => u.Username == model.Username && u.Password == hashed).FirstOrDefault();

if (v != null)

{

Session["Username"] = model.Username;

Session["Message"] = "Welcome, " + model.Username + ".";

return RedirectToAction("UserInterface", "User");

}

else

{

ViewData["Message"] = "That record does not exist.";

}

}

return View(model);

}

[HttpGet]

public ActionResult CreateAccount()

{

return View();

}

[HttpPost]

public ActionResult CreateAccount(User model)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

var duplicateCheck = db.Users.Where(u => u.Username == model.Username).FirstOrDefault();

if (model.Username == null || model.Password == null)

{

ViewData["Message"] = "You must enter both a username and a password.";

}

else if (duplicateCheck != null)

{

ViewData["Message"] = "That username is already in use.";

}

else

{

db.Users.Add(new User

{

Username = model.Username,

Password = WebApplication2.SHA1.Encode(model.Password),

Email = model.Email

});

db.SaveChanges();

return RedirectToAction("Index", "Home");

}

}

return View(model);

}

[HttpGet]

public ActionResult UserInterface()

{

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

{

return View();

}

else

{

return RedirectToAction("UserLogin", "User");

}

}

[HttpGet]

public ActionResult BookRoom()

{

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

{

return View();

}

else

{

return RedirectToAction("UserLogin", "User");

}

}

[HttpPost]

public ActionResult BookRoom(Booking model)

{

String RoomRegex = @"^|10[1-9]|11[0-9]|12[0]|20[1-9]|21[0-9]|22[0]|30[1-9]|31[0-9]|32[0]|40[1-9]|41[0-9]|42[0]|$";

String DateRegex = @"^(0[1-9]|[12][0-9]|3[01])[/](0[1-9]|1[012])[/](19|20)\d\d$";

if (ModelState.IsValid)

{

if (!Regex.IsMatch(model.Room, RoomRegex))

{

ViewData["Message"] = "The input room code is incorrect.";

}

else if (!Regex.IsMatch(model.Start, DateRegex))

{

ViewData["Message"] = "The start date is not in the correct format.";

}

else if (!Regex.IsMatch(model.End, DateRegex))

{

ViewData["Message"] = "The end date is not in the correct format.";

}

else

{

var db = new JamesEntities();

db.Bookings.Add(new Booking

{

User = Session["Username"].ToString(),

Room = model.Room,

Start = model.Start,

End = model.End,

});

Session["Message"] = "Booking successfully made.";

db.SaveChanges();

return RedirectToAction("UserInterface", "User");

}

}

return View(model);

}

[HttpGet]

public ActionResult EditDetails()

{

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

{

return View();

}

else

{

return RedirectToAction("UserLogin", "User");

}

}

[HttpPost]

public ActionResult EditDetails(User model)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

var search = Session["Username"];

var toUpdate = db.Users.Where(u => u.Username == search).FirstOrDefault();

var duplicateCheck = db.Users.Where(u => u.Username == model.Username).FirstOrDefault();

if (model.Username == null && model.Password == null && model.Email == null)

{

ViewData["Message"] = "You must enter at least one variable to edit.";

}

else if (duplicateCheck != null)

{

ViewData["Message"] = "That username is already in use.";

}

else

{

var password = model.Password;

var hashed = SHA1.Encode(password);

if (model.Username != null && model.Password == null && model.Email == null)

{

toUpdate.Username = model.Username;

Session["Username"] = model.Username;

}

if (model.Username == null && model.Password != null && model.Email == null)

{

toUpdate.Password = hashed;

}

if (model.Username == null && model.Password == null && model.Email != null)

{

toUpdate.Email = model.Email;

}

if (model.Username != null && model.Password != null && model.Email == null)

{

toUpdate.Username = model.Username;

Session["Username"] = model.Username;

toUpdate.Password = hashed;

}

if (model.Username != null && model.Password == null && model.Email != null)

{

toUpdate.Username = model.Username;

Session["Username"] = model.Username;

toUpdate.Email = model.Email;

}

if (model.Username == null && model.Password != null && model.Email != null)

{

toUpdate.Password = hashed;

toUpdate.Email = model.Email;

}

if (model.Username != null && model.Password != null && model.Email != null)

{

toUpdate.Username = model.Username;

Session["Username"] = model.Username;

toUpdate.Password = hashed;

toUpdate.Email = model.Email;

}

db.SaveChanges();

Session["Message"] = "Your details have been successfully updated.";

return RedirectToAction("UserInterface", "User");

}

}

return View(model);

}

}

}

### Admin

namespace WebApplication2.Controllers

{

public class AdminController : Controller

{

// GET: Admin

[HttpGet]

public ActionResult AdminLogin()

{

return View();

}

[HttpPost]

public ActionResult AdminLogin(AdminPassword model)

{

if (ModelState.IsValid)

{

var password = model.AdminPassword1;

var hashed = SHA1.Encode(password);

var db = new JamesEntities();

var v = db.AdminPasswords.Where(u => u.AdminPassword1 == hashed).FirstOrDefault();

if (v != null)

{

Session["Message"] = "Welcome.";

Session["AdminUsername"] = "Admin";

return RedirectToAction("AdminInterface", "Admin");

}

else

{

ViewData["Message"] = "Incorrect password.";

}

}

return View(model);

}

[HttpGet]

public ActionResult AdminInterface()

{

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

{

return View();

}

else

{

return RedirectToAction("AdminLogin", "Admin");

}

}

[HttpGet]

public ActionResult CheckBookings()

{

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

{

var entities = new JamesEntities();

return View(entities.Bookings.ToList());

}

else

{

return RedirectToAction("AdminLogin", "Admin");

}

}

[HttpGet]

public ActionResult ChangePassword()

{

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

{

return View();

}

else

{

return RedirectToAction("AdminLogin", "Admin");

}

}

[HttpPost]

public ActionResult ChangePassword(AdminPassword model, string OldPassword, string NewPassword, string ConfirmNewPassword)

{

var db = new JamesEntities();

var hashed1 = SHA1.Encode(OldPassword);

var check = db.AdminPasswords.Where(u => u.AdminPassword1 == hashed1).FirstOrDefault();

if (check == null)

{

ViewData["Message"] = "Incorrect password.";

}

else if (NewPassword != ConfirmNewPassword)

{

ViewData["Message"] = "New Password and Confirm New Password do not match.";

}

else

{

var hashed2 = SHA1.Encode(NewPassword);

var toUpdate = db.AdminPasswords.Where(u => u.Id == 1).FirstOrDefault();

toUpdate.AdminPassword1 = hashed2;

db.SaveChanges();

Session["Message"] = "Admin password successfully changed. Please notify other admins as soon as possible.";

return RedirectToAction("AdminInterface", "Admin");

}

return View(model);

}

}

}

# **WebApplication3 (Web Forms)**

## Start

<!DOCTYPE html>

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

<head runat="server">

<meta charset="utf-8" />

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

<a href="Create\_Account.aspx">New User</a><br/>

<a href="Login.aspx">Existing User</a><br />

<a href="Admin\_Login.aspx">Admin</a>

</div>

<div id="main">

Welcome to Cards 101.

</div>

</body>

</html>

## Create Account

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Create\_Account.aspx.cs" Inherits="WebApplication3.Create\_Account" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

<a href="Start.aspx">Start</a><br/>

New User<br/>

<a href="Login.aspx">Existing User</a> <br/>

<a href="Admin\_Login.aspx">Admin</a> <br/>

</div>

<div id="main">

<h2>Create an Account</h2>

<form action="" method="post" runat="server">

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

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

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

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

Email Address: <asp:TextBox ID="Email" runat="server" Type="Email"></asp:TextBox><br/>

Address Line 1: <asp:TextBox ID="Address1" runat="server"></asp:TextBox><br/>

Address Line 2: <asp:TextBox ID="Address2" runat="server"></asp:TextBox><br/>

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

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

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

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

<br />

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

</form>

</div>

</body>

</html>

namespace WebApplication3

{

public partial class Create\_Account : System.Web.UI.Page

{

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

{

}

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

{

if (FirstName.Text == null || Surname.Text == null || Password.Text == null || ContactNumber.Text == null || Email.Text == null || Address1.Text == null || TownCity.Text == null || County.Text == null || Postcode.Text == null)

{

Error.Text = "You must enter something for all fields.";

}

else

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

SqlCommand cmd2 = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT COUNT(\*) FROM Customer WHERE Email = @email";

cmd2.Connection = conn;

cmd2.CommandText = "INSERT INTO Customer(FirstName, Surname, Password, ContactNumber, Email, Address1, Address2, TownCity, County, Postcode) VALUES (@firstname, @surname, @password, @contactnumber, @email, @address1, @address2, @towncity, @county, @postcode)";

cmd.Parameters.Add("@email", SqlDbType.VarChar).Value = Email.Text;

cmd2.Parameters.Add("@firstname", SqlDbType.VarChar).Value = FirstName.Text;

cmd2.Parameters.Add("@surname", SqlDbType.VarChar).Value = Surname.Text;

cmd2.Parameters.Add("@password", SqlDbType.VarChar).Value = WebApplication3.SHA512.Encode(Password.Text);

cmd2.Parameters.Add("@contactnumber", SqlDbType.VarChar).Value = ContactNumber.Text;

cmd2.Parameters.Add("@email", SqlDbType.VarChar).Value = Email.Text;

cmd2.Parameters.Add("@address1", SqlDbType.VarChar).Value = Address1.Text;

cmd2.Parameters.Add("@address2", SqlDbType.VarChar).Value = Address2.Text;

cmd2.Parameters.Add("@towncity", SqlDbType.VarChar).Value = TownCity.Text;

cmd2.Parameters.Add("@county", SqlDbType.VarChar).Value = County.Text;

cmd2.Parameters.Add("@postcode", SqlDbType.VarChar).Value = Postcode.Text;

conn.Open();

int rowNumber = (int)cmd.ExecuteScalar();

if (rowNumber > 0)

{

Error.Text = "That email address is already in use.";

}

else

{

cmd2.ExecuteNonQuery();

conn.Close();

Response.Redirect("Start.aspx");

}

}

}

}

}

## Login

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<div id="side">

<a href="Start.aspx">Start</a><br/>

<a href="Create\_Account.aspx">New User</a><br/>

Existing User <br>

<a href="Admin\_Login.aspx">Admin</a> <br/>

</div>

<div id="main">

<form action="" method="post" runat="server">

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

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

<asp:Label ID="Error" runat="server"></asp:Label> <br />

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

</form>

</div>

</body>

</html>

namespace WebApplication3

{

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

{

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

{

}

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

SqlCommand cmd2 = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT COUNT(\*) FROM Customer WHERE Email = @email AND Password = @password";

cmd.Parameters.Add("@email", SqlDbType.NChar).Value = Email.Text;

cmd.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication3.SHA512.Encode(Password.Text);

cmd2.Connection = conn;

cmd2.CommandText = "SELECT ID, FirstName FROM Customer WHERE Email = @email AND Password = @password";

cmd2.Parameters.Add("@email", SqlDbType.NChar).Value = Email.Text;

cmd2.Parameters.Add("@password", SqlDbType.NChar).Value = WebApplication3.SHA512.Encode(Password.Text);

conn.Open();

int rowNumber = (int)cmd.ExecuteScalar();

if (rowNumber < 1)

{

Error.Text = "Incorrect username or password.";

}

else

{

SqlDataReader reader = cmd2.ExecuteReader();

while (reader.Read())

{

Session["Id"] = Int32.Parse(reader["Id"].ToString());

Session["Message"] = "Welcome, " + reader["FirstName"].ToString() +".";

}

Response.Redirect("Customer.aspx");

}

}

}

}

## Customer

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

Home<br>

<a href="Order.aspx">Place an order</a> <br />

<a href="Check\_Orders.aspx">Check your orders</a> <br />

<a href="Edit\_Details.aspx">Edit your details</a> <br />

</div>

<div id="main">

<form action="" method="post" runat="server">

<asp:Label ID="Welcome" runat="server"><%=Session["Message"] %></asp:Label> <br />

<asp:Button ID="Logout" Text="Log Out" runat="server" OnClick="Logout\_Click" />

</form>

</div>

</body>

</html>

namespace WebApplication3

{

public partial class WebForm1 : System.Web.UI.Page

{

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

{

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

{

}

else

{

Response.Redirect("Login.aspx");

}

}

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

{

Session.Contents.RemoveAll();

Session.Abandon();

Response.Redirect("Login.aspx");

}

}

}

## Order

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

<a href="Customer.aspx">Home</a><br/>

Place an order <br/>

<a href="Check\_Orders.aspx">Check your orders</a> <br/>

<a href="Edit\_Details.aspx">Edit your details</a> <br/>

</div>

<div id="main">

<form action="" method="post" runat="server">

<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<asp:DropDownList ID="Stock" runat="server" AutoPostBack="true" AppendDataBoundItems="true" OnSelectedIndexChanged="Stock\_SelectedIndexChanged">

</asp:DropDownList><br />

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

<b>Price per unit: </b><asp:Label ID="Price" runat="server"></asp:Label> <br />

<b>Quantity:</b> <asp:TextBox ID="Quantity" Type="Number" runat="server"></asp:TextBox> <br />

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

<div id="flip">Show/hide basket</div>

<div id="panel">

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

</div><br />

<b>Remove item(s)</b> <asp:DropDownList ID="ItemToRemove" runat="server" AutoPostBack="true" AppendDataBoundItems="true" OnSelectedIndexChanged="ItemToRemove\_SelectedIndexChanged"></asp:DropDownList> <asp:DropDownList ID ="NumberToRemove" runat="server" AutoPostBack="true" AppendDataBoundItems="true"></asp:DropDownList> <asp:Button ID="Remove" runat="server" Text="Remove" OnClick="Remove\_Click" /> <br />

<asp:Button ID="AddToBasket" runat="server" Text="Add to Basket" OnClick="AddToBasket\_Click" /><asp:Button ID="PlaceOrder" runat="server" Text="Place Order" OnClick="PlaceOrder\_Click" />

</ContentTemplate>

<Triggers>

<asp:AsyncPostBackTrigger ControlID="Stock" EventName="SelectedIndexChanged" />

<asp:AsyncPostBackTrigger ControlID="ItemToRemove" EventName="SelectedIndexChanged" />

</Triggers>

</asp:UpdatePanel>

</form>

</div>

</body>

</html>

namespace WebApplication3

{

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

{

static List<String> codes = new List<String>();

static List<String> descriptions = new List<String>();

static List<decimal> prices = new List<decimal>();

static List<Item> basket = new List<Item>();

static DataTable table = new DataTable();

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

{

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

{

if (!IsPostBack)

{

codes.Clear();

descriptions.Clear();

prices.Clear();

basket.Clear();

codes.Add("");

descriptions.Add("");

prices.Add(decimal.Parse("0"));

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT \* FROM Stock";

conn.Open();

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

codes.Add(reader["Code"].ToString());

descriptions.Add(reader["Description"].ToString());

prices.Add(decimal.Parse(reader["PricePerUnit"].ToString()));

}

Stock.DataSource = codes;

Stock.DataBind();

if (table.Columns.Count == 0)

{

table.Columns.Add("Stock Code", typeof(String));

table.Columns.Add("Quantity", typeof(String));

table.Columns.Add("Total Price", typeof(String));

OrderItems.DataSource = table;

OrderItems.DataBind();

}

ItemToRemove.Items.Add("");

}

}

else

{

Response.Redirect("Login.aspx");

}

}

protected void Stock\_SelectedIndexChanged(object sender, EventArgs e)

{

int number = Stock.SelectedIndex;

if (number > 0)

{

Description.Text = descriptions[number];

Price.Text = "£" + prices[number].ToString();

}

else

{

Description.Text = "";

Price.Text = "";

}

}

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

{

if (Stock.SelectedIndex == 0)

{

Error.Text = "You must first select an item.";

}

else if (Quantity.Text == "")

{

Error.Text = "You must first select a quantity.";

}

else

{

bool found = false;

var itemToAdd = new Item();

if (basket.Count > 0)

{

for (int i = 0; i < basket.Count; i++)

{

if (basket[i].code == Stock.SelectedItem.ToString())

{

found = true;

basket[i].quantity += Int32.Parse(Quantity.Text);

basket[i].total = Math.Round(basket[i].quantity \* prices[basket[i].number], 2);

table.Rows[i][1] = basket[i].quantity;

table.Rows[i][2] = basket[i].total;

break;

}

}

if (found == false)

{

itemToAdd.number = Stock.SelectedIndex;

itemToAdd.code = Stock.SelectedItem.ToString();

itemToAdd.quantity = Int32.Parse(Quantity.Text);

itemToAdd.total = Math.Round(Int32.Parse(Quantity.Text) \* prices[Stock.SelectedIndex], 2);

basket.Add(itemToAdd);

ItemToRemove.Items.Add(itemToAdd.code);

table.Rows.Add(itemToAdd.code, itemToAdd.quantity, itemToAdd.total);

}

}

else

{

itemToAdd.number = Stock.SelectedIndex;

itemToAdd.code = Stock.SelectedItem.ToString();

itemToAdd.quantity = Int32.Parse(Quantity.Text);

itemToAdd.total = Math.Round(Int32.Parse(Quantity.Text) \* prices[Stock.SelectedIndex], 2);

basket.Add(itemToAdd);

ItemToRemove.Items.Add(itemToAdd.code);

table.Rows.Add(itemToAdd.code, itemToAdd.quantity, itemToAdd.total);

}

OrderItems.DataSource = table;

OrderItems.DataBind();

}

}

protected void ItemToRemove\_SelectedIndexChanged(object sender, EventArgs e)

{

NumberToRemove.Items.Clear();

if (ItemToRemove.SelectedIndex > 0)

{

if (basket[ItemToRemove.SelectedIndex - 1].quantity > 1)

{

for (int i = 1; i < basket[ItemToRemove.SelectedIndex - 1].quantity; i++)

{

NumberToRemove.Items.Add(i.ToString());

}

}

NumberToRemove.Items.Add("All");

}

}

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

{

if (basket.Count == 0)

{

Error.Text = "You have nothing in your basket.";

}

else if (ItemToRemove.SelectedIndex == 0)

{

Error.Text = "Please select an item to remove.";

}

else

{

if (NumberToRemove.SelectedItem.ToString() == "All")

{

basket.RemoveAt(ItemToRemove.SelectedIndex - 1);

table.Rows[0].Delete();

ItemToRemove.Items.Remove(ItemToRemove.SelectedItem);

}

else

{

basket[ItemToRemove.SelectedIndex - 1].quantity -= Int32.Parse(NumberToRemove.SelectedItem.ToString());

basket[ItemToRemove.SelectedIndex - 1].total = Math.Round(basket[ItemToRemove.SelectedIndex - 1].quantity \* prices[basket[ItemToRemove.SelectedIndex - 1].number], 2);

table.Rows[ItemToRemove.SelectedIndex - 1][1] = basket[ItemToRemove.SelectedIndex - 1].quantity;

table.Rows[ItemToRemove.SelectedIndex - 1][2] = basket[ItemToRemove.SelectedIndex - 1].total;

NumberToRemove.Items.Clear();

if (basket[ItemToRemove.SelectedIndex - 1].quantity > 1)

{

for (int i = 1; i < basket[ItemToRemove.SelectedIndex - 1].quantity; i++)

{

NumberToRemove.Items.Add(i.ToString());

}

}

NumberToRemove.Items.Add("All");

}

OrderItems.DataSource = table;

OrderItems.DataBind();

}

}

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

{

if (basket.Count == 0)

{

Error.Text = "You must first have something in your basket.";

}

else

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

SqlCommand cmd2 = new SqlCommand();

SqlCommand cmd3 = new SqlCommand();

decimal orderTotal = 0;

for (int i = 0; i < basket.Count; i++)

{

orderTotal += decimal.Parse(basket[i].total.ToString());

}

orderTotal = Math.Round(orderTotal, 2);

cmd.Connection = cmd2.Connection = cmd3.Connection = conn;

cmd.CommandText = "INSERT INTO Orders (Customer, OrderTotal) VALUES (@customer, @total)";

cmd2.CommandText = "SELECT COUNT(\*) FROM Orders";

cmd3.CommandText = "INSERT INTO OrderStock (OrderID, StockCode, Quantity) VALUES (@orderID, @stockCode, @quantity)";

cmd.Parameters.Add("@customer", SqlDbType.Int).Value = Session["Id"];

cmd.Parameters.Add("@total", SqlDbType.Float).Value = orderTotal;

conn.Open();

cmd.ExecuteNonQuery();

int orderNumber = (int)cmd2.ExecuteScalar();

for (int j = 0; j < basket.Count; j++)

{

cmd3.Parameters.Clear();

cmd3.Parameters.Add("@orderID", SqlDbType.Int).Value = orderNumber;

cmd3.Parameters.Add("@stockCode", SqlDbType.VarChar).Value = basket[j].code;

cmd3.Parameters.Add("@quantity", SqlDbType.Int).Value = basket[j].quantity;

cmd3.ExecuteNonQuery();

}

Session["Message"] = "Order successfully placed.";

Response.Redirect("Customer.aspx");

}

}

}

}

## Check Orders

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

<a href="Customer.aspx">Home</a><br>

<a href="Order.aspx">Place an order</a> <br>

Check your orders <br>

<a href="Edit\_Details.aspx">Edit your details</a> <br>

</div>

<div id="main">

<form action="" method="post" runat="server">

<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<asp:DropDownList ID="OrderNumbers" AutoPostBack="true" AppendDataBoundItems="true" runat="server" OnSelectedIndexChanged="OrderNumbers\_SelectedIndexChanged"></asp:DropDownList><br />

<asp:GridView ID="Items" runat="server"></asp:GridView><br />

<b>Order Total:</b> <asp:Label ID="Total" runat="server"></asp:Label>

</ContentTemplate>

<Triggers>

<asp:AsyncPostBackTrigger ControlID="OrderNumbers" EventName="SelectedIndexChanged" />

</Triggers>

</asp:UpdatePanel>

</form>

</div>

</body>

</html>

namespace WebApplication3

{

public partial class Check\_Orders : System.Web.UI.Page

{

static DataTable table = new DataTable();

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

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

{

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

{

if (!IsPostBack)

{

SqlCommand cmd = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "Select ID FROM Orders WHERE Customer = @customer";

cmd.Parameters.Add("@customer", SqlDbType.Int).Value = Session["Id"];

OrderNumbers.Items.Add("");

conn.Open();

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

OrderNumbers.Items.Add(reader["Id"].ToString());

}

conn.Close();

if (table.Columns.Count == 0)

{

table.Columns.Add("Stock Code", typeof(String));

table.Columns.Add("Stock Description", typeof(String));

table.Columns.Add("Quantity", typeof(String));

}

}

}

else

{

Response.Redirect("Login.aspx");

}

}

protected void OrderNumbers\_SelectedIndexChanged(object sender, EventArgs e)

{

if (OrderNumbers.SelectedIndex > 0)

{

SqlCommand cmd = new SqlCommand();

table.Rows.Clear();

cmd.Connection = conn;

cmd.CommandText = "SELECT Orders.ID, OrderStock.StockCode, Stock.Description, OrderStock.Quantity, Orders.OrderTotal FROM Stock INNER JOIN ((Customer INNER JOIN Orders ON Customer.Id = Orders.Customer) INNER JOIN OrderStock ON Orders.Id = OrderStock.OrderID) ON Stock.Code = OrderStock.StockCode WHERE Orders.ID = @order";

cmd.Parameters.Add("@order", SqlDbType.Int).Value = Int32.Parse(OrderNumbers.SelectedItem.ToString());

conn.Open();

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

table.Rows.Add(reader["StockCode"], reader["Description"], reader["Quantity"]);

Total.Text = "£" + reader["OrderTotal"].ToString();

}

Items.DataSource = table;

Items.DataBind();

}

}

}

}

## Edit Details

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<script type="text/javascript">

function Address2Changed() {

if (document.getElementById("Address2").value != "")

{

document.getElementById("LeaveBlank").checked = false;

document.getElementById("LeaveBlank").hidden = true;

}

else

{

document.getElementById("LeaveBlank").hidden = false;

}

}

</script>

<div id="side">

<a href="Customer.aspx">Home</a><br/>

<a href="Order.aspx">Place an order</a> <br/>

<a href="Check\_Orders.aspx">Check your orders</a> <br/>

Edit your details <br/>

</div>

<div id="main">

<form action="" method="post" runat="server">

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

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

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

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

Email Address: <asp:TextBox ID="Email" runat="server" Type="Email"></asp:TextBox><br/>

Address Line 1: <asp:TextBox ID="Address1" runat="server"></asp:TextBox><br/>

Address Line 2: <asp:TextBox ID="Address2" runat="server" oninput="Address2Changed()"></asp:TextBox> <asp:CheckBox ID="LeaveBlank" Text="Leave blank" runat="server" /><br/>

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

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

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

<asp:Label ID="Error" runat="server"></asp:Label><br />

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

</form>

</div>

</body>

</html>

namespace WebApplication3

{

public partial class Edit\_Details : System.Web.UI.Page

{

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

{

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

{

}

else

{

Response.Redirect("Login.aspx");

}

}

protected void Address2\_TextChanged(object sender, EventArgs e)

{

}

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

{

if (FirstName.Text == "" && Surname.Text == "" && Password.Text == "" && ContactNumber.Text == "" && Email.Text == "" && Address1.Text == "" && Address2.Text == "" && TownCity.Text == "" && County.Text == "" && Postcode.Text == "")

{

Error.Text = "You must enter at least one variable to edit.";

}

else

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

SqlCommand cmd2 = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT \* FROM Customer WHERE Id = @id";

cmd.Parameters.Add("@id", SqlDbType.Int).Value = Session["Id"];

cmd2.Connection = conn;

cmd2.CommandText = "UPDATE Customer SET FirstName = @firstName, Surname = @surname, Password = @password, ContactNumber = @contactNumber, Email = @email, Address1 = @address1, Address2 = @address2, TownCity = @townCity, County = @county, Postcode = @postcode WHERE Id = @id";

cmd2.Parameters.Add("@id", SqlDbType.Int).Value = Session["Id"];

conn.Open();

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

if (FirstName.Text == "")

{

cmd2.Parameters.Add("@firstName", SqlDbType.VarChar).Value = reader["FirstName"].ToString();

}

else

{

cmd2.Parameters.Add("@firstName", SqlDbType.VarChar).Value = FirstName.Text;

}

if (Surname.Text == "")

{

cmd2.Parameters.Add("@surname", SqlDbType.VarChar).Value = reader["Surname"].ToString();

}

else

{

cmd2.Parameters.Add("@surname", SqlDbType.VarChar).Value = Surname.Text;

}

if (Password.Text == "")

{

cmd2.Parameters.Add("@password", SqlDbType.VarChar).Value = reader["Password"].ToString();

}

else

{

cmd2.Parameters.Add("@password", SqlDbType.VarChar).Value = WebApplication3.SHA512.Encode(Password.Text);

}

if (ContactNumber.Text == "")

{

cmd2.Parameters.Add("@contactNumber", SqlDbType.VarChar).Value = reader["ContactNumber"].ToString();

}

else

{

cmd2.Parameters.Add("@contactNumber", SqlDbType.VarChar).Value = ContactNumber.Text;

}

if (Email.Text == "")

{

cmd2.Parameters.Add("@email", SqlDbType.VarChar).Value = reader["Email"].ToString();

}

else

{

cmd2.Parameters.Add("@email", SqlDbType.VarChar).Value = Email.Text;

}

if (Address1.Text == "")

{

cmd2.Parameters.Add("@address1", SqlDbType.VarChar).Value = reader["Address1"].ToString();

}

else

{

cmd2.Parameters.Add("@address1", SqlDbType.VarChar).Value = Address1.Text;

}

if (Address2.Text == "" && LeaveBlank.Checked == false)

{

cmd2.Parameters.Add("@address2", SqlDbType.VarChar).Value = reader["Address2"].ToString();

}

else

{

cmd2.Parameters.Add("@address2", SqlDbType.VarChar).Value = Address2.Text;

}

if (TownCity.Text == "")

{

cmd2.Parameters.Add("@townCity", SqlDbType.VarChar).Value = reader["TownCity"].ToString();

}

else

{

cmd2.Parameters.Add("@townCity", SqlDbType.VarChar).Value = TownCity.Text;

}

if (County.Text == "")

{

cmd2.Parameters.Add("@county", SqlDbType.VarChar).Value = reader["County"].ToString();

}

else

{

cmd2.Parameters.Add("@county", SqlDbType.VarChar).Value = County.Text;

}

if (Postcode.Text == "")

{

cmd2.Parameters.Add("@postcode", SqlDbType.VarChar).Value = reader["Postcode"].ToString();

}

else

{

cmd2.Parameters.Add("@postcode", SqlDbType.VarChar).Value = Postcode.Text;

}

}

reader.Close();

cmd2.ExecuteNonQuery();

conn.Close();

Session["Message"] = "Your details have been successfully updated.";

Response.Redirect("Customer.aspx");

}

}

}

}

## Admin Login

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

<a href="Start.aspx">Start</a><br>

<a href="Create\_Account.aspx">New User</a><br/>

<a href="Login.aspx">Existing User</a> <br/>

Admin <br>

</div>

<div id="main">

<form action="" method="post" runat="server">

Password <asp:TextBox ID="AdminPassword" Type="Password" runat="server"></asp:TextBox> <br />

<asp:Label ID="Error" runat="server"></asp:Label> <br />

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

</form>

</div>

</body>

</html>

namespace WebApplication3

{

public partial class Admin\_Login : System.Web.UI.Page

{

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

{

}

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT COUNT(\*) FROM AdminPassword WHERE AdminPassword=@adminPassword";

cmd.Parameters.Add("@adminPassword", SqlDbType.NChar).Value = WebApplication3.SHA512.Encode(AdminPassword.Text);

conn.Open();

int rowNumber = (int)cmd.ExecuteScalar();

if (rowNumber < 1)

{

Error.Text = "Incorrect password.";

}

else

{

Session["AdminUsername"] = "Admin";

Session["AdminMessage"] = "Welcome.";

Response.Redirect("Admin.aspx");

}

conn.Close();

}

}

}

## Admin

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

Home<br>

<a href="Add\_Stock.aspx">Add Stock</a> <br/>

<a href="Check\_Orders\_Admin.aspx">Check Orders</a> <br/>

<a href="Change\_Admin\_Password.aspx">Change Password</a> <br/>

</div>

<div id="main">

<h2> Admin Home </h2>

<form action="" method="post" runat="server">

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

<asp:Button ID="Logout" Text="Log Out" runat="server" OnClick="Logout\_Click" />

</form>

</div>

</body>

</html>

namespace WebApplication3

{

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

{

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

{

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

{

Welcome.Text = Session["AdminMessage"].ToString();

}

else

{

Response.Redirect("Admin\_Login.aspx");

}

}

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

{

Session.Contents.RemoveAll();

Session.Abandon();

Response.Redirect("Admin\_Login.aspx");

}

}

}

## Add Stock

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

<a href="Admin.aspx">Home</a><br />

Add Stock <br>

<a href="Check\_Orders\_Admin.aspx">Check Orders</a> <br />

<a href="Change\_Admin\_Password.aspx">Change Password</a> <br />

</div>

<div id="main">

<h2>Add Stock</h2>

<form action="" method="post" runat="server">

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

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

Price per unit (£): <asp:TextBox ID="PriceUnit" runat="server"></asp:TextBox> <br />

<asp:Label ID="Error" runat="server"></asp:Label><br />

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

</form>

</div>

</body>

</html>

namespace WebApplication3

{

public partial class Add\_Stock : System.Web.UI.Page

{

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

{

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

{

}

else

{

Response.Redirect("Admin\_Login.aspx");

}

}

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

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

SqlCommand cmd2 = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT COUNT(\*) FROM Stock WHERE Code = @code";

cmd2.Connection = conn;

cmd2.CommandText = "INSERT INTO Stock (Code, Description, PricePerUnit) VALUES (@code, @description, @priceperunit)";

cmd.Parameters.Add("@code", SqlDbType.VarChar).Value = Code.Text;

conn.Open();

int rowNumber = (int)cmd.ExecuteScalar();

if (rowNumber > 0)

{

Error.Text = "That stock code is already in use.";

}

else

{

cmd2.Parameters.Add("@code", SqlDbType.VarChar).Value = Code.Text;

cmd2.Parameters.Add("@description", SqlDbType.VarChar).Value = Description.Text;

cmd2.Parameters.Add("@priceperunit", SqlDbType.Float).Value = PriceUnit.Text;

cmd2.ExecuteNonQuery();

Session["AdminMessage"] = "Stock item successfully added.";

Response.Redirect("Admin.aspx");

}

conn.Close();

}

}

}

## Check Orders Admin

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

<a href="Admin.aspx">Home</a><br/>

<a href="Add\_Stock.aspx">Add Stock</a> <br/>

Check Orders <br/>

<a href="Change\_Admin\_Password.aspx">Change Password</a> <br/>

</div>

<div id="main">

<form action="" method="post" runat="server">

<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<asp:DropDownList ID="OrderNumbers" AutoPostBack="true" AppendDataBoundItems="true" runat="server" OnSelectedIndexChanged="OrderNumbers\_SelectedIndexChanged"></asp:DropDownList><br />

<b>Placed by:</b> <asp:Label ID="Name" runat="server"></asp:Label> <br />

<b>Address:</b> <asp:Label ID="Address" runat="server"></asp:Label> <br />

<b>Contact Number:</b> <asp:Label ID="Number" runat="server"></asp:Label> <br />

<b>Order Total:</b> <asp:Label ID="Total" runat="server"></asp:Label> <br />

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

</ContentTemplate>

<Triggers>

<asp:AsyncPostBackTrigger ControlID="OrderNumbers" EventName="SelectedIndexChanged" />

</Triggers>

</asp:UpdatePanel>

</form>

</div>

</body>

</html>

namespace WebApplication3

{

public partial class Check\_Orders\_Admin : System.Web.UI.Page

{

static DataTable table = new DataTable();

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

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

{

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

{

if (!IsPostBack)

{

SqlCommand cmd = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT Id FROM Orders";

OrderNumbers.Items.Add("");

conn.Open();

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

OrderNumbers.Items.Add(reader["Id"].ToString());

}

conn.Close();

if (table.Columns.Count == 0)

{

table.Columns.Add("Stock Code", typeof(String));

table.Columns.Add("Stock Description", typeof(String));

table.Columns.Add("Quantity", typeof(String));

}

}

}

else

{

Response.Redirect("Admin\_Login.aspx");

}

}

protected void OrderNumbers\_SelectedIndexChanged(object sender, EventArgs e)

{

table.Rows.Clear();

if (OrderNumbers.SelectedValue != "")

{

SqlCommand cmd = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT Orders.Id, Customer.FirstName, Customer.Surname, Customer.ContactNumber, Customer.Address1, Customer.Address2, Customer.TownCity, Customer.County, Customer.Postcode, OrderStock.StockCode, Stock.Description, OrderStock.Quantity, Orders.OrderTotal FROM Stock INNER JOIN ((Customer INNER JOIN Orders ON Customer.Id = Orders.Customer) INNER JOIN OrderStock ON Orders.Id = OrderStock.OrderID) ON Stock.Code = OrderStock.StockCode WHERE Orders.ID = @order";

cmd.Parameters.Add("@order", SqlDbType.Int).Value = Int32.Parse(OrderNumbers.SelectedItem.ToString());

conn.Open();

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

table.Rows.Add(reader["StockCode"], reader["Description"], reader["Quantity"]);

Name.Text = reader["FirstName"].ToString() + " " + reader["Surname"].ToString();

if (reader["Address2"].ToString() != "")

{

Address.Text = reader["Address1"].ToString() + ", " + reader["Address2"].ToString() + ", " + reader["TownCity"].ToString() + ", " + reader["County"].ToString() + ", " + reader["Postcode"].ToString();

}

else

{

Address.Text = reader["Address1"].ToString() + ", " + reader["TownCity"].ToString() + ", " + reader["County"].ToString() + ", " + reader["Postcode"].ToString();

}

Number.Text = reader["ContactNumber"].ToString();

Total.Text = "£" + reader["OrderTotal"].ToString();

}

}

else

{

Name.Text = "";

Address.Text = "";

Number.Text = "";

Total.Text = "";

}

Items.DataSource = table;

Items.DataBind();

}

}

}

## Change Admin Password

<!DOCTYPE html>

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

<head runat="server">

<title>Cards 101</title>

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

<div id="header">

<h1>Cards 101</h1>

</div>

</head>

<body>

<div id="side">

<a href="Admin.aspx">Home</a><br/>

<a href="Add\_Stock.aspx">Add Stock</a> <br/>

<a href="Check\_Orders\_Admin.aspx">Check Orders</a> <br />

Change Password <br />

</div>

<div id="main">

<form action="" method="post" runat="server">

Old Password: <asp:TextBox ID="OldPassword" Type="Password" runat="server"></asp:TextBox> <br />

New Password: <asp:TextBox ID="NewPassword" Type="Password" runat="server"></asp:TextBox><br />

Confirm New Password: <asp:TextBox ID="ConfirmNewPassword" Type="Password" runat="server"></asp:TextBox><br />

<asp:Label ID="Error" runat="server"></asp:Label> <br />

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

</form>

</div>

</body>

</html>

namespace WebApplication3

{

public partial class Change\_Admin\_Password : System.Web.UI.Page

{

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

{

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

{

}

else

{

Response.Redirect("Admin\_Login.aspx");

}

}

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

{

if (NewPassword.Text != ConfirmNewPassword.Text)

{

Error.Text = "New Password and Confirm New Password do not match.";

}

else

{

SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

SqlCommand cmd = new SqlCommand();

cmd.Connection = conn;

cmd.CommandText = "SELECT COUNT (\*) FROM AdminPassword WHERE AdminPassword = @oldPassword";

cmd.Parameters.Add("@oldPassword", SqlDbType.VarChar).Value = WebApplication3.SHA512.Encode(OldPassword.Text);

conn.Open();

int rowNumber = (int)cmd.ExecuteScalar();

if (rowNumber < 1)

{

Error.Text = "Incorrect old password.";

}

else

{

SqlCommand cmd2 = new SqlCommand();

cmd2.Connection = conn;

cmd2.CommandText = "UPDATE AdminPassword SET AdminPassword = @newPassword WHERE Id = '1'";

cmd2.Parameters.Add("@newPassword", SqlDbType.VarChar).Value = WebApplication3.SHA512.Encode(NewPassword.Text);

cmd2.ExecuteNonQuery();

Session["AdminMessage"] = "Admin password successfully changed.";

Response.Redirect("Admin.aspx");

}

conn.Close();

}

}

}

}

# **WebApplication4 (MVC)**

## Views

### \_Layout

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>@ViewBag.Title</title>

<script src="/Scripts/jquery-3.3.1.min.js"></script>

@Styles.Render("~/Content/style.css")

@Scripts.Render("~/bundles/modernizr")

</head>

<body>

@RenderBody()

@Scripts.Render("~/bundles/jquery")

@Scripts.Render("~/bundles/bootstrap")

@RenderSection("scripts", required: false)

</body>

</html>

### Index

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("New User", "CreateAccount", "User") <br>

@Html.ActionLink("Existing User", "Login", "User") <br>

@Html.ActionLink("Admin", "AdminLogin", "Admin")

</div>

<div id="main">

Welcome to Cards 101.

</div>

### Create Account

@model WebApplication4.Models.Customer

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<head>

<script>

$(document).ready(function () {

var allFields = false;

var emailOK = false;

var passwordOK = false;

var contactNumberOK = false;

var postcodeOK = false;

$("#Email").prop("type", "email");

function submitCheck () {

if (allFields == true && emailOK == true && passwordOK == true && contactNumberOK == true && postcodeOK == true) {

console.log("Y");

$("#submit").prop("disabled", false);

}

else {

console.log("X");

$("#submit").prop("disabled", true);

}

}

$("input").keyup(function () {

if ($("#FirstName").val() == "" || $("#Surname").val() == "" || $("#Password").val() == "" || $("#Email").val() == "" || $("#ContactNumber").val() == "" || $("#Address1").val() == "" || $("#TownCity").val() == "" || $("#County").val() == "" || $("#Postcode").val() == "") {

allFields = false;

}

else {

allFields = true;

}

if ($(this).prop("id") != "Email" && $(this).prop("id") != "Password" && $(this).prop("id") != "ContactNumber" && $(this).prop("id") != "Postcode") {

console.log("Z");

submitCheck();

}

});

$("#Email").keyup(function () {

emailOK = false;

submitCheck();

if ($("#Email").val().match(/^((([!#$%&'\*+\-/=?^\_`{|}~\w])|([!#$%&'\*+\-/=?^\_`{|}~\w][!#$%&'\*+\-/=?^\_`{|}~\.\w]{0,}[!#$%&'\*+\-/=?^\_`{|}~\w]))[@Html.Raw("@")]\w+([-.]\w+)\*\.\w+([-.]\w+)\*)$/) == null) {

$("#AlreadyInUse").html(" ");

}

else {

$.ajax({

type: "POST",

url: "/User/EmailCheck",

contentType: "application/json; charset=utf-8",

data: JSON.stringify({ check: $("#Email").val() }),

dataType: "json",

success: function (result, status, xhr) {

if (result.free == true) {

emailOK = true;

submitCheck();

$("#AlreadyInUse").html(" ");

}

else {

$("#AlreadyInUse").html("That email address is already in use.");

}

},

error: function (xhr, status, error) {

alert("Result: " + status + " " + error + " " + xhr.status + " " + xhr.statusText)

}

});

}

});

$("#Password").keyup(function () {

if ($("#Password").val().match(/((?=.\*[0-9])(?=.\*[A-Z])(?=.\*[a-z])(?=.\*\W).{8,})/) != null) {

passwordOK = true;

}

else {

passwordOK = false;

}

submitCheck();

});

$("#ContactNumber").keyup(function () {

if ($("#ContactNumber").val().match(/0[0-9]{10}/) != null) {

contactNumberOK = true;

}

else {

contactNumberOK = false;

}

submitCheck();

});

$("#Postcode").keyup(function () {

if ($("#Postcode").val().match(/[A-Z]{1,2}[0-9]{1,2} {1}[0-9]{1}[A-Z]{2}/) != null) {

postcodeOK = true;

}

else {

postcodeOK = false;

}

submitCheck();

});

});

</script>

</head>

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Index", "Home")<br />

New User<br>

@Html.ActionLink("Existing User", "Login", "User") <br />

@Html.ActionLink("Admin", "AdminLogin", "Admin")

</div>

<div id="main">

@using (Html.BeginForm("CreateAccount", "User", FormMethod.Post))

{

<fieldset>

You must enter something for all fields except Address Line 2. <br />

Password must be at least 8 characters long and contain an uppercase letter, a lowercase letter, a number, and a non-alphanumeric character. <br />

<b>First Name</b> @Html.EditorFor(u => u.FirstName)<br />

<b>Surname</b> @Html.EditorFor(u => u.Surname)<br />

<b>Password</b> @Html.PasswordFor(u => u.Password)<br />

<b>Contact Number</b> @Html.EditorFor(u => u.ContactNumber)<br />

<b>Email</b> @Html.EditorFor(u => u.Email) @Html.Label("AlreadyInUse", " ", new { @id = "AlreadyInUse" })<br />

<b>Address Line 1</b> @Html.EditorFor(u => u.Address1)<br />

<b>Address Line 2</b> @Html.EditorFor(u => u.Address2)<br />

<b>Town/City</b> @Html.EditorFor(u => u.TownCity)<br />

<b>County</b> @Html.EditorFor(u => u.County)<br />

<b>Postcode</b> @Html.EditorFor(u => u.Postcode)<br />

<input type="submit" id="submit" name="submit" value="Submit" disabled="disabled" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"])

</div>

### Login

@model WebApplication4.Models.Customer

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<head>

<script>

$(document).ready(function () {

$("#Email").prop("type", "email");

});

</script>

</head>

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Index", "Home")<br />

@Html.ActionLink("New User", "CreateAccount", "User")<br />

Existing User<br />

@Html.ActionLink("Admin", "AdminLogin", "Admin")

</div>

<div id="main">

@using (Html.BeginForm("Login", "User", FormMethod.Post))

{

<fieldset>

<b>Email</b> @Html.EditorFor(u => u.Email) <br />

<b>Password</b> @Html.PasswordFor(u => u.Password) <br />

<input type="submit" value="Submit" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"])

</div>

### Customer

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

Home<br />

@Html.ActionLink("Place an order", "Order", "User") <br />

@Html.ActionLink("Check your orders", "CheckOrders", "User") <br />

@Html.ActionLink("Edit your details", "EditDetails", "User")<br />

</div>

<div id="main">

@using (Html.BeginForm("Logout", "User", FormMethod.Post))

{

@Html.Encode(Session["Message"]) <br />

<input type="submit" id="Logout" name="Logout" value="Log Out" />

}

@{ Html.EndForm(); }

</div>

### Order

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<head>

<script>

$(document).ready(function () {

var basket = [];

var description;

var price;

var numberOfItems = 0;

var combinedTotal;

$("#ItemToRemove").empty();

$("#NumberToRemove").empty();

$("#ItemToRemove").prop("disabled", true);

$("#NumberToRemove").prop("disabled", true);

$("#TotalLabel").prop("hidden", true);

function basketUpdate() {

$("#ItemToRemove").empty();

$("#Basket").empty();

$("#BasketHidden").empty();

combinedTotal = 0;

if (numberOfItems > 0) {

$("#ItemToRemove").prop("disabled", false);

$("#ItemToRemove").append("<option> </option>");

$("#Basket").append("<tr><th>Image</th><th>Stock Code</th><th>Description</th><th>Quantity</th><th>Total Cost</th></tr>");

for (var i = 0; i < numberOfItems; i++) {

$("#Basket").append("<tr><th><img src='/Images/" + basket[i].Code + ".jpg' style='width: auto; height: 75px' /></th><th>" + basket[i].Code + "</th><th>" + basket[i].Description + "</th><th>" + basket[i].Quantity + "</th><th>" + basket[i].Total + "</th></tr>");

$("#ItemToRemove").append("<option>" + basket[i].Code + "</option>");

$("#BasketHidden").append('<input type="text" id="Items[' + i + '].Code" name="Items[' + i + '].Code" value="' + basket[i].Code + '" /><input type="text" id="Items[' + i + '].Description" name="Items[' + i + '].Description" value="' + basket[i].Description + '" /><input type="text" id="Items[' + i + '].Quantity" name="Items[' + i + '].Quantity" value="' + basket[i].Quantity + '" /><input type="text" id="Items[' + i + '].Total" name="Items[' + i + '].Total" value="' + basket[i].Total + '" /> </br>');

combinedTotal += parseFloat(basket[i].Total);

}

combinedTotal = combinedTotal.toFixed(2);

$("#PlaceOrder").prop("disabled", false);

$("#ClearBasket").prop("disabled", false);

$("#TotalLabel").prop("hidden", false);

$("#Total").html("£" + combinedTotal);

}

else {

$("#ItemToRemove").prop("disabled", true);

$("#NumberToRemove").empty();

$("#NumberToRemove").prop("disabled", true);

$("#Remove").prop("disabled", true);

$("#PlaceOrder").prop("disabled", true);

$("#ClearBasket").prop("disabled", true);

$("#TotalLabel").prop("hidden", true);

$("#Total").html(" ");

}

}

$(".StockSelection").change(function () {

if ($("#StockCode").prop("selectedIndex") == 0 || $("#Quantity").val() < 1) {

$("#AddToBasket").prop("disabled", true);

}

else {

$("#AddToBasket").prop("disabled", false);

}

});

$("#StockCode").change(function () {

if ($("#StockCode").val() == "") {

$("#Image").prop("hidden", true);

$("#Description").html("");

$("#PricePerUnit").html("");

}

else {

$.ajax({

type: "POST",

url: "/User/GetDetails",

contentType: "application/json; charset=utf-8",

data: JSON.stringify({ stockCode: $("#StockCode").val() }),

dataType: "json",

success: function (item, status, xhr) {

$("#Image").prop("hidden", false);

$("#Image").prop("src", "/Images/" + $("#StockCode").val() + ".jpg");

$("#Description").html(item.Description);

$("#PricePerUnit").html("£" + item.PricePerUnit);

description = item.Description;

price = item.PricePerUnit;

},

error: function (xhr, status, error) {

alert("Result: " + status + " " + error + " " + xhr.status + " " + xhr.statusText)

}

});

}

});

$("#AddToBasket").click(function () {

if (numberOfItems == 0) {

numberOfItems++;

basket.push({ Code: $("#StockCode").val(), Description: description, Quantity: $("#Quantity").val(), Cost: price, Total: price \* $("#Quantity").val() });

basket[numberOfItems - 1].Total = basket[numberOfItems - 1].Total.toFixed(2);

basketUpdate();

}

else {

var found = false;

var counter = 0;

do {

if (basket[counter].Code == $("#StockCode").val()) {

found = true;

}

else {

counter++;

}

} while (counter <= numberOfItems - 1 && found == false)

if (found == true) {

basket[counter].Quantity += parseInt($("#Quantity").val());

basket[counter].Total = basket[counter].Quantity \* basket[counter].Cost;

basket[counter].Total = basket[counter].Total.toFixed(2);

basketUpdate();

}

else {

numberOfItems++;

basket.push({ Code: $("#StockCode").val(), Description: description, Quantity: $("#Quantity").val(), Cost: price, Total: price \* $("#Quantity").val() });

basket[numberOfItems - 1].Total = basket[numberOfItems - 1].Total.toFixed(2);

basketUpdate();

}

}

$("#StockCode").prop("selectedIndex", 0);

$("#Quantity").val("");

$("#Image").prop("hidden", true);

$("#Description").html("");

$("#PricePerUnit").html("");

$("#AddToBasket").prop("disabled", true);

});

$("#ItemToRemove").change(function () {

$("#NumberToRemove").empty();

if ($("#ItemToRemove").prop("selectedIndex") == 0) {

$("#NumberToRemove").prop("disabled", true);

$("#Remove").prop("disabled", true);

}

else {

$("#NumberToRemove").prop("disabled", false);

$("#NumberToRemove").append("<option> </option>");

if (basket[$("#ItemToRemove").prop("selectedIndex") - 1].Quantity > 1) {

for (var i = 1; i < basket[$("#ItemToRemove").prop("selectedIndex") - 1].Quantity; i++) {

$("#NumberToRemove").append("<option>" + i + "</option>");

}

}

$("#NumberToRemove").append("<option>All</option>");

}

});

$("#NumberToRemove").change(function () {

if ($("#NumberToRemove").prop("selectedIndex") == 0) {

$("#Remove").prop("disabled", true);

}

else {

$("#Remove").prop("disabled", false);

}

});

$("#Remove").click(function () {

if ($("#NumberToRemove").val() == "All") {

if (numberOfItems > 1 && $("#ItemToRemove").prop("selectedIndex") < numberOfItems) {

for (var i = $("#ItemToRemove").prop("selectedIndex") - 1; i < numberOfItems - 1; i++) {

basket[i].Code = basket[i + 1].Code;

basket[i].Description = basket[i + 1].Description;

basket[i].Quantity = basket[i + 1].Quantity;

basket[i].Cost = basket[i + 1].Cost;

basket[i].Total = basket[i + 1].Total;

}

}

basket.pop();

numberOfItems--;

}

else {

basket[$("#ItemToRemove").prop("selectedIndex") - 1].Quantity -= parseInt($("#NumberToRemove").val());

basket[$("#ItemToRemove").prop("selectedIndex") - 1].Total = basket[$("#ItemToRemove").prop("selectedIndex") - 1].Quantity \* basket[$("#ItemToRemove").prop("selectedIndex") - 1].Cost;

basket[$("#ItemToRemove").prop("selectedIndex") - 1].Total = basket[$("#ItemToRemove").prop("selectedIndex") - 1].Total.toFixed(2);

}

$("#ItemToRemove").prop("selectedIndex", 0);

$("#NumberToRemove").prop("selectedIndex", 0);

$("#NumberToRemove").prop("disabled", true);

$("#Remove").prop("disabled", true);

basketUpdate();

});

$("#ClearBasket").click(function () {

for (var i = 0; i < numberOfItems; i++) {

basket.pop();

}

numberOfItems = 0;

basketUpdate();

});

$("#flip").click(function () {

$("#panel").slideToggle("slow");

});

});

</script>

</head>

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Customer", "User")<br />

Place an order <br />

@Html.ActionLink("Check your orders", "CheckOrders", "User") <br />

@Html.ActionLink("Edit your details", "EditDetails", "User")

</div>

<div id="main">

@using (Html.BeginForm("Order", "User", FormMethod.Post))

{

<fieldset>

@Html.DropDownList("StockCode", ViewData["StockCodes"] as SelectList, new { @class = "StockSelection", }) <br />

<img id="Image" name="Image" hidden="hidden" style="width:auto; height:150px" /> <br />

<b>Description:</b> @Html.Label("Description", " ", new { @id = "Description" }) <br />

<b>Price per unit:</b> @Html.Label("PricePerUnit", " ", new { @id = "PricePerUnit" }) <br />

Quantity: <input type="number" id="Quantity" name="Quantity" class="StockSelection" /><br />

<input type="button" id="AddToBasket" value="Add to Basket" disabled="disabled" /> <br />

<div id="flip">Show/hide basket</div>

<div id="panel">

<table id="Basket"></table>

</div>

<b>@Html.Label("TotalLabel", "Order Total:", new { @id = "TotalLabel", })</b> @Html.Label("Total", " ", new { @id = "Total" }) <br />

Remove Items <br />

@Html.DropDownList("ItemToRemove", new SelectList(" "))

@Html.DropDownList("NumberToRemove", new SelectList(" "))

<input type="button" id="Remove" value="Remove" disabled="disabled" /><br />

<input type="button" id="ClearBasket" value="Clear Basket" disabled="disabled" /><br />

<div id="BasketHidden" hidden="hidden">

</div>

<input type="submit" id="PlaceOrder" value="Place Order" disabled="disabled" />

</fieldset>

}

@{ Html.EndForm(); }

</div>

### Check Orders (Customer)

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<head>

<script>

$(document).ready(function () {

$("#OrderNumber").change(function () {

$("#Items").empty();

$("#TotalLabel").prop("hidden", true);

$("#Total").html(" ");

if ($("#OrderNumber").val() == "") {

}

else {

$.ajax({

type: "POST",

url: "/User/GetOrderInfo",

contentType: "application/json; charset=utf-8",

data: JSON.stringify({ orderNumber: $("#OrderNumber").val() }),

dataType: "json",

success: function (details, status, xhr) {

$("#TotalLabel").prop("hidden", false);

$("#Items").append("<tr><th>Image</th><th>Stock Code</th><th>Description</th><th>Quantity</th></tr>");

for (var i = 0; i < details.length; i++) {

$("#Items").append("<tr><th><img src='/Images/" + details[i].Code + ".jpg' style='width: auto; height: 75px' /></th><th>" + details[i].Code + "</th><th>" + details[i].Description + "</th><th>" + details[i].Quantity + "</th></tr>");

}

$("#Total").html("£" + details[0].Total);

},

error: function (xhr, status, error) {

alert("Result: " + status + " " + error + " " + xhr.status + " " + xhr.statusText)

}

});

}

});

});

</script>

</head>

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Customer", "User")<br />

@Html.ActionLink("Place an order", "Order", "User") <br />

Check your orders <br />

@Html.ActionLink("Edit your details", "EditDetails", "User")

</div>

<div id="main">

@Html.DropDownList("OrderNumber", ViewData["OrderNumbers"] as SelectList) <br />

<table id="Items"></table> <br />

<b>@Html.Label("TotalLabel", "Order Total:", new { @id = "TotalLabel", @hidden = "true" })</b> @Html.Label("Total", " ", new { @id = "Total" })

</div>

### Edit Details

@model WebApplication4.Models.Customer

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<head>

<script>

$(document).ready(function () {

var atLeastOneField = false;

var emailOK = true;

var passwordOK = true;

var contactNumberOK = true;

var postcodeOK = true;

$("#Email").prop("type", "email");

function submitCheck() {

if (atLeastOneField == true && emailOK == true && passwordOK == true && contactNumberOK == true && postcodeOK == true) {

console.log("X");

$("#submit").prop("disabled", false);

}

else {

console.log("Y");

$("#submit").prop("disabled", true);

}

}

$("input").keyup(function () {

if ($("#FirstName").val() == "" && $("#Surname").val() == "" && $("#Password").val() == "" && $("#Email").val() == "" && $("#ContactNumber").val() == "" && $("#Address1").val() == "" && $("#Address2").val() == "" && $("#Blank").prop("checked") == false && $("#TownCity").val() == "" && $("#County").val() == "" && $("#Postcode").val() == "") {

atLeastOneField = false;

}

else {

atLeastOneField = true;

}

if ($(this).prop("id") != "Email" && $(this).prop("id") != "Password" && $(this).prop("id") != "ContactNumber" && $(this).prop("id") != "Postcode") {

submitCheck();

}

});

$("#Address2").keyup(function () {

if ($(this).val() == "") {

$("#Blank").prop("disabled", false);

}

else {

$("#Blank").prop("checked", false);

$("#Blank").prop("disabled", true);

}

});

$("#Email").keyup(function () {

if ($("#Email").val() == "") {

emailOK = true;

submitCheck();

}

else {

emailOK = false;

submitCheck();

if ($("#Email").val().match(/^((([!#$%&'\*+\-/=?^\_`{|}~\w])|([!#$%&'\*+\-/=?^\_`{|}~\w][!#$%&'\*+\-/=?^\_`{|}~\.\w]{0,}[!#$%&'\*+\-/=?^\_`{|}~\w]))[@Html.Raw("@")]\w+([-.]\w+)\*\.\w+([-.]\w+)\*)$/) == null) {

$("#AlreadyInUse").html(" ");

}

else {

$.ajax({

type: "POST",

url: "/User/EmailCheck",

contentType: "application/json; charset=utf-8",

data: JSON.stringify({ check: $("#Email").val() }),

dataType: "json",

success: function (result, status, xhr) {

if (result.free == true) {

emailOK = true;

$("#AlreadyInUse").html(" ");

submitCheck();

}

else {

$("#AlreadyInUse").html("That email address is already in use.");

}

},

error: function (xhr, status, error) {

alert("Result: " + status + " " + error + " " + xhr.status + " " + xhr.statusText)

}

});

}

}

});

$("#Password").keyup(function () {

if ($("#Password").val().match(/((?=.\*[0-9])(?=.\*[A-Z])(?=.\*[a-z])(?=.\*\W).{8,})/) != null || $("#Password").val() == "") {

passwordOK = true;

}

else {

passwordOK = false;

}

submitCheck();

});

$("#ContactNumber").keyup(function () {

if ($("#ContactNumber").val() == "") {

contactNumberOK = true;

}

else {

if ($("#ContactNumber").val().match(/0[0-9]{10}/) != null) {

contactNumberOK = true;

}

else {

contactNumberOK = false;

}

}

submitCheck();

});

$("#Postcode").keyup(function () {

if ($("#Postcode").val() == "") {

postcodeOK = true;

}

else {

if ($("#Postcode").val().match(/[A-Z]{1,2}[0-9]{1,2} {1}[0-9]{1}[A-Z]{2}/) != null) {

postcodeOK = true;

}

else {

postcodeOK = false;

}

}

submitCheck();

});

});

</script>

</head>

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Customer", "User")<br />

@Html.ActionLink("Place an order", "Order", "User")

@Html.ActionLink("Check your orders", "CheckOrders", "User") <br />

Edit your details

</div>

<div id="main">

@using (Html.BeginForm("EditDetails", "User", FormMethod.Post))

{

<fieldset>

<b>First Name</b> @Html.EditorFor(u => u.FirstName)<br />

<b>Surname</b> @Html.EditorFor(u => u.Surname)<br />

<b>Password</b> @Html.PasswordFor(u => u.Password)<br />

<b>Contact Number</b> @Html.EditorFor(u => u.ContactNumber)<br />

<b>Email</b> @Html.EditorFor(u => u.Email) @Html.Label("AlreadyInUse", " ", new { @id = "AlreadyInUse" })<br />

<b>Address Line 1</b> @Html.EditorFor(u => u.Address1)<br />

<b>Address Line 2</b> @Html.EditorFor(u => u.Address2) Leave blank @Html.CheckBox("Blank", false) <br />

<b>Town/City</b> @Html.EditorFor(u => u.TownCity)<br />

<b>County</b> @Html.EditorFor(u => u.County)<br />

<b>Postcode</b> @Html.EditorFor(u => u.Postcode)<br />

<input type="submit" id="submit" name="submit" value="Submit" disabled="disabled" />

</fieldset>

}

@{ Html.EndForm(); }

@Html.Encode(ViewData["Message"])

</div>

### Admin Login

@model WebApplication4.Models.AdminPassword

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Index", "Home")<br />

@Html.ActionLink("New User", "CreateAccount", "User")<br />

@Html.ActionLink("Existing User", "Login", "User") <br />

Admin

</div>

<div id="main">

@using (Html.BeginForm("AdminLogin", "Admin", FormMethod.Post))

{

<fieldset>

<b>Password</b> @Html.PasswordFor(u => u.AdminPassword1) <br />

<input type="submit" value="Submit" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"])

</div>

### Admin

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

Home <br />

@Html.ActionLink("Add stock", "AddStock", "Admin") <br />

@Html.ActionLink("Check orders", "CheckOrders", "Admin") <br />

@Html.ActionLink("Change password", "ChangeAdminPassword", "Admin")

</div>

<div id="main">

@using (Html.BeginForm("Logout", "Admin", FormMethod.Post))

{

@Html.Encode(Session["Message"]) <br />

<input type="submit" id="Logout" name="Logout" value="Log Out" />

}

@{ Html.EndForm(); }

</div>

### Add Stock

@model WebApplication4.Models.Stock

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<head>

<script>

$(document).ready(function () {

var allFields = false;

var stockCodeOK = false;

var fileUploaded = false;

function submitCheck() {

if (allFields == true && stockCodeOK == true && fileUploaded == true) {

console.log("Y");

$("#submit").prop("disabled", false);

}

else {

console.log("X");

$("#submit").prop("disabled", true);

}

}

function readURL(input) {

if (input.files && input.files[0]) {

var reader = new FileReader();

reader.onload = function (e) {

$("#preview").prop("src", e.target.result);

}

reader.readAsDataURL(input.files[0]);

}

}

$("input").keyup(function () {

if ($("#Code").val() != "" && $("#Description").val() != "" && $("#PricePerUnit").val() != "") {

allFields = true;

}

else {

allFields = false;

}

if ($(this).prop("id") != "Code") {

submitCheck();

}

});

$("#Code").keyup(function () {

stockCodeOK = false;

submitCheck();

if ($("#Code").val().match(/[A-Z][A-Z][A-Z0-9][A-Z][A-Z][A-Z0-9]/) == null) {

$("#AlreadyInUse").html(" ");

}

else {

$.ajax({

type: "POST",

url: "/Admin/StockCodeCheck",

contentType: "application/json; charset=utf-8",

data: JSON.stringify({ check: $("#Code").val() }),

dataType: "json",

success: function (result, status, xhr) {

if (result.free == true) {

stockCodeOK = true;

submitCheck();

$("#AlreadyInUse").html(" ");

}

else {

$("#AlreadyInUse").html("That stock code is already in use.");

}

},

error: function (xhr, status, error) {

alert("Result: " + status + " " + error + " " + xhr.status + " " + xhr.statusText)

}

});

}

});

$("#image").change(function () {

if ($(this).val() != "") {

var ext = $(this).val().match(/\.(.+)$/)[1];

if (ext == "jpg") {

$("#preview").prop("hidden", false);

readURL(this);

fileUploaded = true;

submitCheck();

}

else {

$("#preview").prop("hidden", true);

fileUploaded = false;

submitCheck();

}

}

else {

$("#preview").prop("hidden", true);

fileUploaded = false;

submitCheck();

}

});

});

</script>

</head>

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Admin", "Admin") <br />

Add stock<br />

@Html.ActionLink("Check orders", "CheckOrders", "Admin") <br />

@Html.ActionLink("Change password", "ChangeAdminPassword", "Admin")

</div>

<div id="main">

@using (Html.BeginForm("AddStock", "Admin", FormMethod.Post, new { enctype = "multipart/form-data" }))

{

<fieldset>

<b>Stock Code</b> @Html.EditorFor(u => u.Code)@Html.Label("AlreadyInUse", " ", new { @id = "AlreadyInUse" }) <br />

<b>Description</b> @Html.EditorFor(u => u.Description) <br />

<b>Price per Unit</b> @Html.EditorFor(u => u.PricePerUnit)<br />

<b>Upload image</b> <input type="file" id="image" name="image" /><br />

<img id="preview" src="" hidden="hidden" style="width:auto; height:150px" /> <br />

<input type="submit" value="submit" disabled="disabled" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"])

</div>

### Check Orders (Admin)

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<head>

<script>

$(document).ready(function () {

$("#OrderNumber").change(function () {

$("#Items").empty();

$("#TotalLabel").prop("hidden", true);

$("#NameLabel").prop("hidden", true);

$("#AddressLabel").prop("hidden", true);

$("#NumberLabel").prop("hidden", true);

$("#Total").html(" ");

$("#Name").html(" ");

$("#Address").html(" ");

$("#Number").html(" ");

if ($("#OrderNumber").val() == "") {

}

else {

$.ajax({

type: "POST",

url: "/Admin/GetOrderInfo",

contentType: "application/json; charset=utf-8",

data: JSON.stringify({ orderNumber: $("#OrderNumber").val() }),

dataType: "json",

success: function (details, status, xhr) {

$("#NameLabel").prop("hidden", false);

$("#AddressLabel").prop("hidden", false);

$("#NumberLabel").prop("hidden", false);

$("#TotalLabel").prop("hidden", false);

$("#Items").append("<tr><th>Image</th><th>Stock Code</th><th>Description</th><th>Quantity</th></tr>");

for (var i = 0; i < details.length; i++) {

$("#Items").append("<tr><th><img src='/Images/" + details[i].Code + ".jpg' style='width: auto; height: 75px' /></th><th>" + details[i].Code + "</th><th>" + details[i].Description + "</th><th>" + details[i].Quantity + "</th></tr>");

}

$("#Total").html("£" + details[0].Total);

$("#Name").html(details[0].FirstName + " " + details[0].Surname);

if (details[0].Address2 != null) {

$("#Address").html(details[0].Address1 + ", " + details[0].Address2 + ", " + details[0].TownCity + ", " + details[0].County + ", " + details[0].Postcode);

}

else {

$("#Address").html(details[0].Address1 + ", " + details[0].TownCity + ", " + details[0].County + ", " + details[0].Postcode);

}

$("#Number").html(details[0].ContactNumber);

},

error: function (xhr, status, error) {

alert("Result: " + status + " " + error + " " + xhr.status + " " + xhr.statusText)

}

});

}

});

});

</script>

</head>

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Admin", "Admin") <br />

@Html.ActionLink("Add stock", "AddStock", "Admin") <br />

Check orders <br />

@Html.ActionLink("Change password", "ChangeAdminPassword", "Admin")

</div>

<div id="main">

@Html.DropDownList("OrderNumber", ViewData["OrderNumbers"] as SelectList) <br />

<b>@Html.Label("NameLabel", "Placed by:", new { @id = "NameLabel", @hidden = "true" })</b> @Html.Label("Name", " ", new { @id = "Name" }) <br />

<b>@Html.Label("AddressLabel", "Address:", new { @id = "AddressLabel", @hidden = "true" })</b> @Html.Label("Address", " ", new { @id = "Address" }) <br />

<b>@Html.Label("NumberLabel", "Contact Number:", new { @id = "NumberLabel", @hidden = "true" })</b> @Html.Label("Number", " ", new { @id = "Number" })

<table id="Items"></table> <br />

<b>@Html.Label("TotalLabel", "Order Total:", new { @id = "TotalLabel", @hidden = "true" })</b> @Html.Label("Total", " ", new { @id = "Total" })

</div>

### Change Admin Password

@model WebApplication4.Models.AdminPassword

@{

ViewBag.Title = "Cards 101";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<div id="header">

<h1>Cards 101</h1>

</div>

<div id="side">

@Html.ActionLink("Home", "Admin", "Admin")<br />

@Html.ActionLink("Add stock", "AddStock", "Admin")<br />

@Html.ActionLink("Check orders", "CheckOrders", "Admin") <br />

Change password

</div>

<div id="main">

@using (Html.BeginForm("ChangeAdminPassword", "Admin", FormMethod.Post))

{

<fieldset>

<b>Old Password</b> @Html.Password("OldPassword")<br />

<b>New Password</b> @Html.Password("NewPassword")<br />

<b>Confirm New Password</b> @Html.Password("ConfirmNewPassword")<br />

<input type="submit" value="Submit" />

</fieldset>

}

@{ Html.EndForm();}

@Html.Encode(ViewData["Message"])

</div>

## Controllers

### User

namespace WebApplication4.Controllers

{

public class UserController : Controller

{

// GET: User

[HttpGet]

public ActionResult CreateAccount()

{

return View();

}

[HttpPost]

public JsonResult EmailCheck(string check)

{

var db = new JamesEntities();

var duplicateCheck = db.Customer.Where(u => u.Email == check).FirstOrDefault();

if (duplicateCheck == null)

{

return Json(new { free = true });

}

else

{

return Json(new { free = false });

}

}

[HttpPost]

public ActionResult CreateAccount(Customer model)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

db.Customer.Add(new Customer

{

FirstName = model.FirstName,

Surname = model.Surname,

Password = Salt.Encode(model.Password, null),

ContactNumber = model.ContactNumber,

Email = model.Email,

Address1 = model.Address1,

Address2 = model.Address2,

TownCity = model.TownCity,

County = model.County,

Postcode = model.Postcode

});

db.SaveChanges();

return RedirectToAction("Index", "Home");

}

return View(model);

}

[HttpGet]

public ActionResult Login()

{

return View();

}

[HttpPost]

public ActionResult Login(Customer model)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

var password = model.Password;

var check = db.Customer.Where(u => u.Email == model.Email).FirstOrDefault();

if (check == null)

{

ViewData["Message"] = "Email address not found.";

}

else

{

bool correct = Salt.Verify(password, check.Password);

if (correct == true)

{

Session["Name"] = check.FirstName;

Session["Email"] = check.Email;

Session["Message"] = "Welcome, " + check.FirstName + ".";

return RedirectToAction("Customer", "User");

}

else

{

ViewData["Message"] = "Login failed.";

}

}

}

return View(model);

}

[HttpGet]

public ActionResult Customer()

{

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

{

return View();

}

else

{

return RedirectToAction("Login", "User");

}

}

[HttpPost]

public ActionResult Logout()

{

Session.Abandon();

return RedirectToAction("Login", "User");

}

[HttpGet]

public ActionResult EditDetails()

{

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

{

return View();

}

else

{

return RedirectToAction("Login", "User");

}

}

[HttpPost]

public ActionResult EditDetails(Customer model, bool Blank)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

var search = Session["Email"];

var toUpdate = db.Customer.Where(u => u.Email == search).FirstOrDefault();

if (model.FirstName != null)

{

toUpdate.FirstName = model.FirstName;

}

if (model.Surname != null)

{

toUpdate.Surname = model.Surname;

}

if (model.Password != null)

{

toUpdate.Password = Salt.Encode(model.Password, null);

}

if (model.ContactNumber != null)

{

toUpdate.ContactNumber = model.ContactNumber;

}

if (model.Email != null)

{

Session["Email"] = model.Email;

toUpdate.Email = model.Email;

}

if (model.Address1 != null)

{

toUpdate.Address1 = model.Address1;

}

if (model.Address2 != null || Blank == true)

{

toUpdate.Address2 = model.Address2;

}

if (model.TownCity != null)

{

toUpdate.TownCity = model.TownCity;

}

if (model.County != null)

{

toUpdate.County = model.County;

}

if (model.Postcode != null)

{

toUpdate.Postcode = model.Postcode;

}

db.SaveChanges();

Session["Message"] = "Your details have been successfully updated.";

return RedirectToAction("Customer", "User");

}

return View(model);

}

[HttpGet]

public ActionResult Order()

{

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

{

var db = new JamesEntities();

var list = db.Stock.ToList();

List<string> codes = new List<string>();

codes.Add("");

for (int i = 0; i < list.Count; i++)

{

codes.Add(list[i].Code);

}

SelectList codes1 = new SelectList(codes);

ViewData["StockCodes"] = codes1;

return View();

}

else

{

return RedirectToAction("Login", "User");

}

}

[HttpPost]

public JsonResult GetDetails(string stockCode)

{

var db = new JamesEntities();

var item = db.Stock.Select(u => new { u.Code, u.Description, u.PricePerUnit }).Where(v => v.Code == stockCode).FirstOrDefault();

return Json(item, JsonRequestBehavior.AllowGet);

}

[HttpPost]

public ActionResult Order(IList<Item> Items)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

var numberOfItems = Items.Count;

var orderNumber = db.Order.ToList().Count + 1;

var combinedTotal = 0.0;

var search = Session["Email"];

var userID = db.Customer.Where(u => u.Email == search).FirstOrDefault().Id;

for (int i = 0; i < numberOfItems; i++)

{

combinedTotal += Items[i].Total;

}

combinedTotal = Math.Round(combinedTotal, 2);

db.Order.Add(new Order

{

Customer = userID,

OrderTotal = combinedTotal

});

db.SaveChanges();

for (int j = 0; j < numberOfItems; j++)

{

db.OrderStock.Add(new OrderStock

{

OrderID = orderNumber,

StockCode = Items[j].Code,

Quantity = Items[j].Quantity

});

}

db.SaveChanges();

Session["Message"] = "Order successfully placed.";

return RedirectToAction("Customer", "User");

}

return View();

}

[HttpGet]

public ActionResult CheckOrders()

{

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

{

var db = new JamesEntities();

var search = Session["Email"];

var check = db.Customer.Where(u => u.Email == search).FirstOrDefault();

var userID = check.Id;

var list = db.Order.Where(u => u.Customer == userID).ToList();

List<string> orderNumbers = new List<string>();

orderNumbers.Add("");

for (int i = 0; i < list.Count; i++)

{

orderNumbers.Add(list[i].Id.ToString());

}

SelectList orderNumbers1 = new SelectList(orderNumbers);

ViewData["OrderNumbers"] = orderNumbers1;

return View();

}

else

{

return RedirectToAction("Login", "User");

}

}

[HttpPost]

public JsonResult GetOrderInfo (string orderNumber)

{

var orderNumber2 = int.Parse(orderNumber);

var db = new JamesEntities();

var details = db.OrderStock.Join(db.Order, os => os.OrderID, o => o.Id, (os, o) => new { os, o }).Join(db.Stock, oso => oso.os.StockCode, s => s.Code, (oso, s) => new { Id = oso.os.OrderID, oso.os.Quantity, s.Code, s.Description, Total = oso.o.OrderTotal}).Where(u => u.Id == orderNumber2).ToList();

return Json(details);

}

}

}

### Admin

namespace WebApplication4.Controllers

{

public class AdminController : Controller

{

[HttpGet]

public ActionResult AdminLogin()

{

var db = new JamesEntities();

var check = db.AdminPassword.Where(u => u.Id > 0).FirstOrDefault();

if (check == null)

{

var adminPassword = Salt.Encode("Pa$$w0rd", null);

db.AdminPassword.Add(new AdminPassword

{

AdminPassword1 = adminPassword

});

db.SaveChanges();

}

return View();

}

[HttpPost]

public ActionResult AdminLogin(AdminPassword model)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

var password = model.AdminPassword1;

var check = db.AdminPassword.Where(u => u.Id > 0).FirstOrDefault();

bool correct = Salt.Verify(password, check.AdminPassword1);

if (correct == true)

{

Session["Message"] = "Welcome.";

Session["AdminUsername"] = "Admin";

return RedirectToAction("Admin", "Admin");

}

else

{

ViewData["Message"] = "Login failed.";

}

}

return View(model);

}

[HttpGet]

public ActionResult Admin()

{

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

{

return View();

}

else

{

return RedirectToAction("AdminLogin", "Admin");

}

}

[HttpPost]

public ActionResult Logout()

{

Session.Abandon();

return RedirectToAction("AdminLogin", "Admin");

}

[HttpGet]

public ActionResult AddStock()

{

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

{

return View();

}

else

{

return RedirectToAction("AdminLogin", "Admin");

}

}

[HttpPost]

public JsonResult StockCodeCheck(string check)

{

var db = new JamesEntities();

var duplicateCheck = db.Stock.Where(u => u.Code == check).FirstOrDefault();

if (duplicateCheck == null)

{

return Json(new { free = true });

}

else

{

return Json(new { free = false });

}

}

[HttpPost]

public ActionResult AddStock(Stock model, HttpPostedFileBase image)

{

if (ModelState.IsValid)

{

var db = new JamesEntities();

db.Stock.Add(new Stock

{

Code = model.Code,

Description = model.Description,

PricePerUnit = model.PricePerUnit

});

db.SaveChanges();

var location = Path.Combine(Server.MapPath("~/Images/"), model.Code + ".jpg");

image.SaveAs(location);

Session["Message"] = "Stock item successfully added.";

return RedirectToAction("Admin", "Admin");

}

return View(model);

}

[HttpGet]

public ActionResult ChangeAdminPassword()

{

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

{

return View();

}

else

{

return RedirectToAction("AdminLogin", "Admin");

}

}

[HttpPost]

public ActionResult ChangeAdminPassword(AdminPassword model, string OldPassword, string NewPassword, string ConfirmNewPassword)

{

if (ModelState.IsValid)

{

if (NewPassword != ConfirmNewPassword)

{

ViewData["Message"] = "New Password and Confirm New Password do not match.";

}

else

{

var db = new JamesEntities();

var check = db.AdminPassword.Where(u => u.Id > 0).FirstOrDefault();

bool correct = Salt.Verify(OldPassword, check.AdminPassword1);

if (correct == false)

{

ViewData["Message"] = "Old Password is incorrect.";

}

else

{

check.AdminPassword1 = Salt.Encode(NewPassword, null);

db.SaveChanges();

Session["Message"] = "Admin password successfully changed. Please notify other admins.";

return RedirectToAction("Admin", "Admin");

}

}

}

return View(model);

}

[HttpGet]

public ActionResult CheckOrders()

{

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

{

var db = new JamesEntities();

var list = db.Order.ToList();

List<string> orderNumbers = new List<string>();

orderNumbers.Add("");

for (int i = 0; i < list.Count; i++)

{

orderNumbers.Add(list[i].Id.ToString());

}

SelectList orderNumbers1 = new SelectList(orderNumbers);

ViewData["OrderNumbers"] = orderNumbers1;

return View();

}

else

{

return RedirectToAction("AdminLogin", "Admin");

}

}

[HttpPost]

public JsonResult GetOrderInfo(string orderNumber)

{

var orderNumber2 = int.Parse(orderNumber);

var db = new JamesEntities();

var details = db.OrderStock.Join(db.Stock, os => os.StockCode, s => s.Code, (os, s) => new { os, s }).Join(db.Order, oss => oss.os.OrderID, o => o.Id, (oss, o) => new { oss, o }).Join(db.Customer, osso => osso.o.Customer, c => c.Id, (osso, c) => new { osso.o.Id, c.FirstName, c.Surname, c.ContactNumber, c.Address1, c.Address2, c.TownCity, c.County, c.Postcode, osso.oss.s.Code, osso.oss.s.Description, osso.oss.os.Quantity, Total = osso.o.OrderTotal }).Where(u => u.Id == orderNumber2).ToList();

return Json(details);

}

}

}