# **Practical – 1**

**Aim: Create a website to pass username and password from one page to another within a query string and check if its valid or invalid user.**

* **Code of WebForm1.aspx:**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication2.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Demo</title

</head>

<body style="height: 207px">

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

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

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<p>

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

<asp:TextBox ID="TextBox2" runat="server" TextMode="Password"></asp:TextBox>

</p>

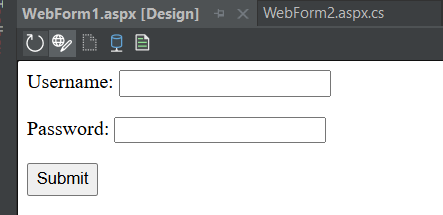
<asp:Button ID="Button1" runat="server" Text="Submit" OnClick="Button1\_Click" style="height: 26px" />

</form>

</body>

</html>

* **Design:**



* **Code of WebForm1.aspx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication2

{

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

{

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

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

{

string username = TextBox1.Text;

string password = TextBox2.Text;

Session["uname"] = username;

Session["pass"] = password;

Response.Redirect("WebForm2");

}

}

}

* **Code of WebForm2.aspx:**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication2.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

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

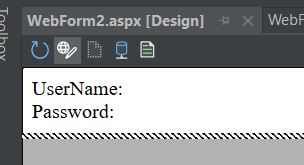
</div>

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

</form>

</body>

</html>

* **Design:**
* **Code of WebForm2.aspx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication2

{

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

{

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

{

String username = Session["uname"].ToString();

String password = Session["pass"].ToString();

string lb\_username = Label1.Text;

string lb\_pass = Label2.Text;

if(isValidUser(username, password)) {

Label1.Text += username;

Label2.Text += password;

} else {

Label1.Text = "Wrong id or password";

Label2.Text = "";

}

}

private bool isValidUser(string username, String password)

{

if(username == "rishi" && password == "123")

{

return true;

} else

{

return false;

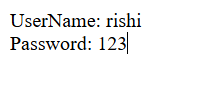
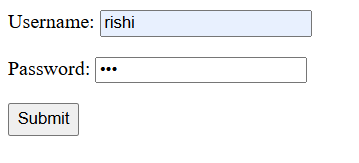
}

}

}

}

* **Output:**



# **Practical – 2**

**Aim: Create a webpage using Radio button, checkboxlist & dropdownlist control**

* **Code of WebForm1.aspx:**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Practical\_3\_v.\_2\_.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server"> <title></title> </head>

<body>

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

<div>

<asp:Label ID="Label1" runat="server" Text="Choose your gender: "></asp:Label>

<asp:RadioButtonList ID="RadioButtonList1" runat="server" RepeatDirection="Horizontal">

<asp:ListItem>Male</asp:ListItem>

<asp:ListItem>Female</asp:ListItem>

</asp:RadioButtonList>

<asp:Label ID="Label2" runat="server" Text="Choose your preferences: "></asp:Label>

<asp:CheckBoxList ID="CheckBoxList1" runat="server" RepeatDirection="Horizontal">

<asp:ListItem>PC</asp:ListItem>

<asp:ListItem>Laptop</asp:ListItem>

<asp:ListItem>Console</asp:ListItem>

</asp:CheckBoxList>

<asp:Label ID="Label3" runat="server" Text="Choose your favourite game: "></asp:Label>

<asp:DropDownList ID="DropDownList1" runat="server">

<asp:ListItem>RDR2</asp:ListItem>

<asp:ListItem>TLOU</asp:ListItem>

<asp:ListItem>GTA</asp:ListItem>

<asp:ListItem>GOW</asp:ListItem>

<asp:ListItem>CODM</asp:ListItem>

<asp:ListItem>Uncharted</asp:ListItem>

<asp:ListItem>FarCry</asp:ListItem>

</asp:DropDownList>

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="submit" />

<br />

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="Your gender is: "></asp:Label>

<br />

<asp:Label ID="Label5" runat="server" Text="Selected Preferences: "></asp:Label>

<br />

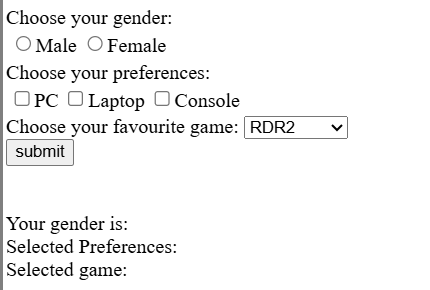
<asp:Label ID="Label6" runat="server" Text="Selected game: "></asp:Label>

</div>

</form>

</body>

</html>

* **Design:**
* **Code of WebForm1.aspx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_3\_v.\_2\_ {

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

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

{

Label4.Text = "Your gender is: ";

Label5.Text = "Selected Preferences: ";

Label6.Text = "Selected game: ";

}

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

{

string radio\_btn\_selected\_value = RadioButtonList1.SelectedValue;

Label4.Text += radio\_btn\_selected\_value;

String str = "";

for(int i = 0; i < CheckBoxList1.Items.Count; i++)

{

if(CheckBoxList1.Items[i].Selected == true)

{

str += CheckBoxList1.Items[i].Text + ", ";

}

}

Label5.Text += str;

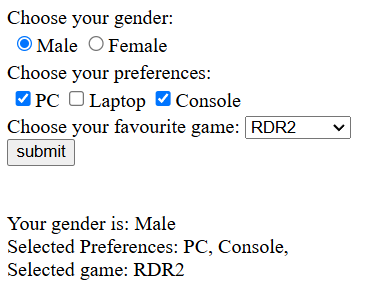
Label6.Text += DropDownList1.SelectedValue;

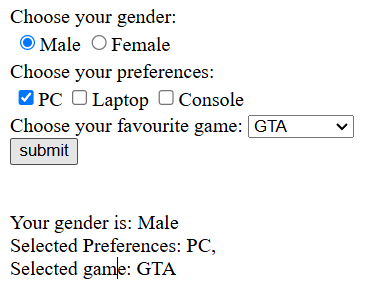
}

}

}

* **Output:**





# **Practical – 3**

**Aim: Create a webpage performing Image upload, Adrotator as well as a Date & Time display Calendar**

* **WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="practical\_4.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Upload Image</title>

<style>

#AdRotator1 img, #Image1 {

margin-top: 10px;

width: 300px;

height: auto;

object-fit: cover;

}

</style>

</head>

<body>

<form id="form1" runat="server" enctype="multipart/form-data">

<div>

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

<br />

<asp:FileUpload ID="FileUpload1" runat="server" />

<br /><br />

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

<asp:Calendar ID="Calendar1" runat="server"></asp:Calendar>

<br />

<asp:AdRotator ID="AdRotator1" runat="server" AdvertisementFile="~/App\_Data/Ads.xml" CssClass="size\_image"/>

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Submit" />

<br /><br />

<asp:Label ID="Label3" runat="server" Text="Selected date: "></asp:Label>

<br />

<asp:Image ID="Image1" runat="server" AlternateText="Image not Found" />

<br />

<asp:Label runat="server" ID="Label4" ForeColor="Green"></asp:Label>

<br />

<asp:Label runat="server" ID="Label5"></asp:Label>

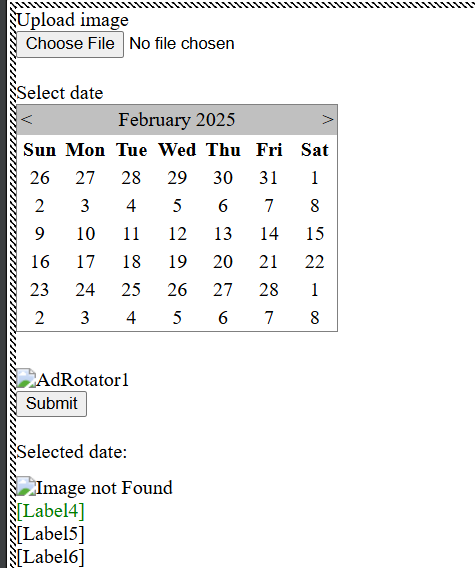
<br />

<asp:Label runat="server" ID="Label6"></asp:Label>

</div>

</form>

</body>

****</html>

* **Output of WebForm1.aspx**
* **Code of WebForm1.aspx.cs**

using System;

using System.IO;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace practical\_4

{

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

{

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

string uploadPath = Server.MapPath("~/upload/");

if (!Directory.Exists(uploadPath)) {

Directory.CreateDirectory(uploadPath);

}

}

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

try {

if (FileUpload1.HasFile) {

string fileName = Path.GetFileName(FileUpload1.FileName);

string uploadPath = Server.MapPath("~/upload/");

string fullPath = Path.Combine(uploadPath, fileName);

Label6.Text = fullPath;

FileUpload1.SaveAs(fullPath);

Label4.Text = "File uploaded successfully: " + fileName;

Image1.ImageUrl = "~/upload/" + fileName;

} else {

Label4.Text = "Please select a file to upload.";

}

}

catch (Exception ex) {

Label4.Text = "Error: " + ex.Message;

}

Label5.Text = "You Selected: " +

(Calendar1.SelectedDate == DateTime.MinValue ? "No date selected" : Calendar1.SelectedDate.ToString("D"));

}

}

}

* **Code of Ads.xml**

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

<Advertisements>

<Ad>

<ImageUrl>~/upload/1.jpg</ImageUrl>

<NavigateUrl>http://www.babybouquets.com.au</NavigateUrl>

<AlternateText>

Order flowers, roses, gifts and more

</AlternateText>

<Impressions>20</Impressions>

<Keyword>flowers</Keyword>

</Ad>

<Ad>

<ImageUrl>~/upload/2.jpg</ImageUrl>

<NavigateUrl>http://www.babybouquets.com.au</NavigateUrl>

<AlternateText>Order roses and flowers</AlternateText>

<Impressions>20</Impressions>

<Keyword>gifts</Keyword>

</Ad>

<Ad>

<ImageUrl>~/upload/3.jpg</ImageUrl>

<NavigateUrl>http://www.flowers2moscow.com</NavigateUrl>

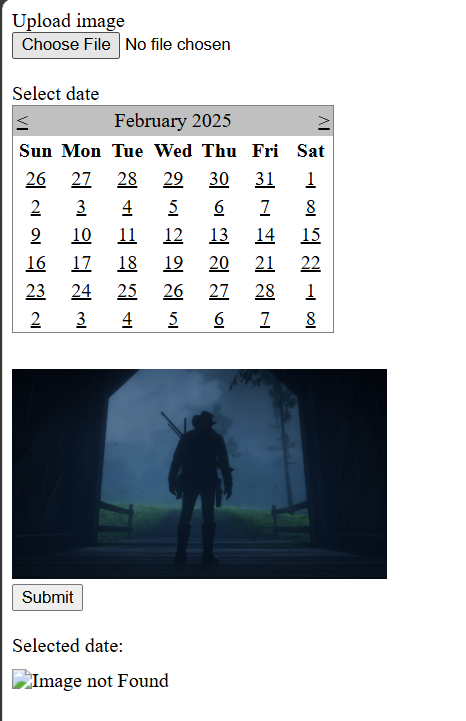
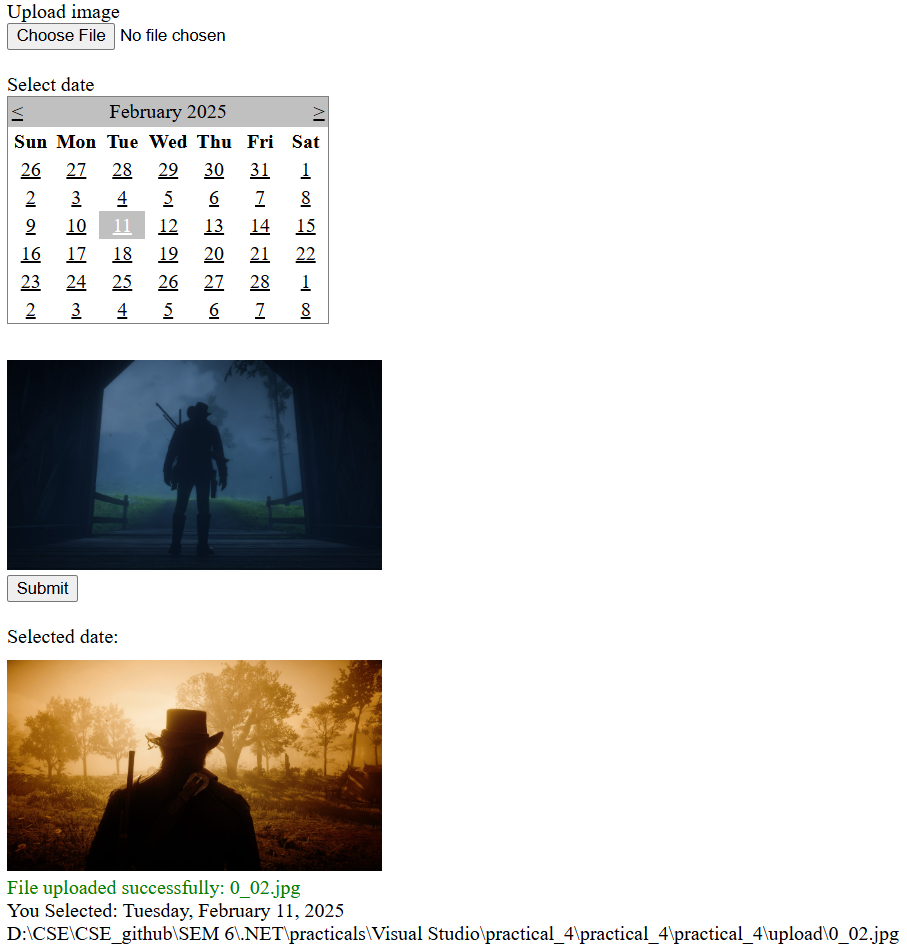
<AlternateText>Send flowers to Russia</AlternateText>

<Impressions>20</Impressions>

<Keyword>russia</Keyword>

</Ad>

</Advertisements>

* **Output**

# **Practical – 4**

**Aim: Create a webpage using Listbox control.**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="practical\_array.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style>

table {

text-align : center

}

td {

padding : 5px;

}

#operations {

display : flex;

flex-direction : column;

}

</style>

</head>

<body>

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

<div>

<table border="1">

<tr>

<td>List Box 1</td>

<td>Operations</td>

<td>List Box 2</td>

</tr>

<tr>

<td>

<asp:ListBox runat="server" ID="listBox1"></asp:ListBox>

</td>

<td id="operations">

<asp:Button ID="Button1" runat="server" Text=">" OnClick="Button1\_Click" />

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

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

<asp:Button ID="Button4" runat="server" Text="< <" OnClick="Button4\_Click" />

</td>

<td>

<asp:ListBox runat="server" ID="listBox2"></asp:ListBox>

</td>

</tr>

<tr>

<td colspan="3">

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

</td>

</tr>

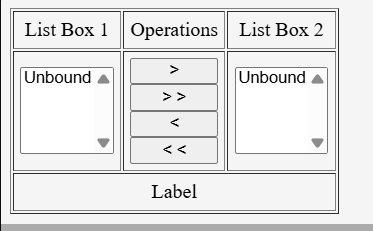
</table>

</div>

</form>

</body>

</html>

* **Design**
* **Code of WebFrom1.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace practical\_array

{

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

{

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

{

string[] games = { "RDR", "GOW", "TLOU", "Uncharted", "GTA" };

if (!IsPostBack) {

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

if (listBox1.Items.FindByText(games[i]) == null) {

listBox1.Items.Add(games[i].ToString());

}

}

}

}

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

if (listBox1.SelectedIndex == -1) {

Label1.Text = "Select any item";

} else {

listBox2.Items.Add(listBox1.SelectedValue);

Label1.Text = listBox1.SelectedValue + " has been moved";

listBox1.Items.Remove(listBox1.SelectedValue);

}

}

protected void Button2\_Click(object sender, EventArgs e) {

for (int i = 0; i < listBox1.Items.Count; i++) {

listBox2.Items.Add(listBox1.Items[i].ToString());

}

listBox1.Items.Clear();

Label1.Text = "All items has been moved";

}

protected void Button3\_Click(object sender, EventArgs e) {

if (listBox2.SelectedIndex == -1) {

Label1.Text = "Select any item";

} else {

listBox1.Items.Add(listBox2.SelectedValue);

Label1.Text = listBox2.SelectedValue + " has been moved";

listBox2.Items.Remove(listBox2.SelectedValue);

}

}

protected void Button4\_Click(object sender, EventArgs e) {

for (int i = 0; i < listBox2.Items.Count; i++) {

listBox1.Items.Add(listBox2.Items[i].ToString());

}

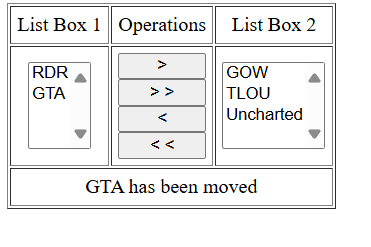
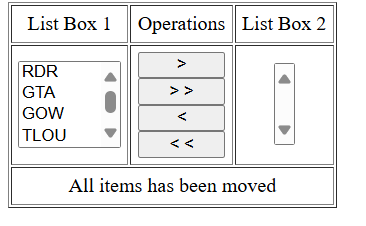
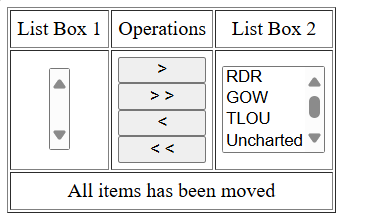
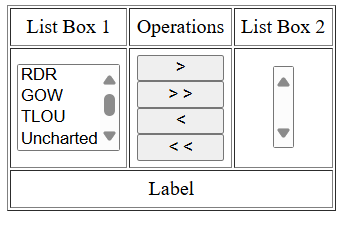
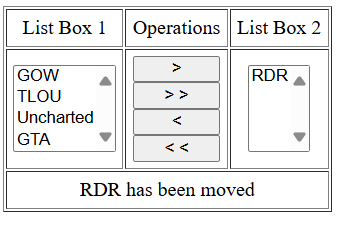
listBox2.Items.Clear();

Label1.Text = "All items has been moved";

}

}

}

* ******Output**

# **Practical – 5**

**Aim: Create a user control that contains a list of colors. Add a button to the Web Form which when clicked changes the color of the Form to the color selected from the list.**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Practical\_5.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<asp:ListBox ID="ListBox1" runat="server" OnSelectedIndexChanged="ListBox1\_SelectedIndexChanged"

Height="110px">

<asp:ListItem Text="Purple" Value="purple"></asp:ListItem>

<asp:ListItem Text="Orange" Value="#ff3412"></asp:ListItem>

<asp:ListItem Text="Blue" Value="blue"></asp:ListItem>

<asp:ListItem Text="Green" Value="green"></asp:ListItem>

<asp:ListItem Text="Dark Red" Value="darkred"></asp:ListItem>

<asp:ListItem Text="Sky Blue" Value="skyblue"></asp:ListItem>

</asp:ListBox>

<br />

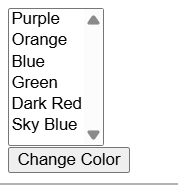
<asp:Button runat="server" Text="Change Color" OnClick="Change\_color"></asp:Button>

</div>

</form>

</body>

</html>

* **Design**
* **Code of WebForm1.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_5

{

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

{

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

protected void ListBox1\_SelectedIndexChanged(object sender, EventArgs e) { }

protected void Change\_color(object sender, EventArgs e) {

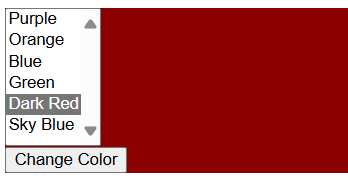
string color\_name = ListBox1.SelectedValue as string;

form1.Style["background-color"] = color\_name;

}

}

}

* **Output**

# **Practical – 6**

**Aim: Create a website performing validation within a form**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Practical\_6.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<asp:Label ID="lb\_email\_id" runat="server" Text="Enter Email Id:"></asp:Label>

<asp:TextBox ID="inp\_email\_id" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ErrorMessage="Email Id is required" ControlToValidate="inp\_email\_id" ForeColor="Red" Display="Dynamic"> </asp:RequiredFieldValidator>

<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" ErrorMessage="Invalid email format" ControlToValidate="inp\_email\_id" ValidationExpression="^[a-zA-Z0-9.\_%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$" ForeColor="Red" Display="Dynamic"> </asp:RegularExpressionValidator>

<br />

<asp:Label ID="lb\_password" runat="server" Text="Enter Password"></asp:Label>

<asp:TextBox ID="inp\_password" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ErrorMessage="Password is Required" ControlToValidate="inp\_password" ForeColor="Red" Display="Dynamic"> </asp:RequiredFieldValidator>

<br />

<asp:Label ID="lb\_con\_pass" runat="server" Text="Confirm Password"></asp:Label>

<asp:TextBox ID="inp\_con\_pass" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ErrorMessage="Password is Required" ControlToValidate="inp\_con\_pass" ForeColor="Red" Display="Dynamic"> </asp:RequiredFieldValidator>

<asp:CompareValidator ID="CompareValidator1" runat="server" ErrorMessage="Passwords are not same" ControlToCompare="inp\_con\_pass" ControlToValidate="inp\_password" ForeColor="Red" Display="Dynamic"></asp:CompareValidator>

<br />

<asp:Label ID="lb\_age" runat="server" Text="Enter Age"></asp:Label>

<asp:TextBox ID="inp\_age" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server" ErrorMessage="Age is Required" Display="Dynamic" ControlToValidate="inp\_age" ForeColor="Red"> </asp:RequiredFieldValidator>

<asp:RangeValidator ID="RangeValidator1" runat="server" ErrorMessage="Age should be between 18 to 26" Display="Dynamic" ControlToValidate="inp\_age" MaximumValue="26"

MinimumValue="18" ForeColor="Red"> </asp:RangeValidator>

<br />

<asp:Label ID="lb\_user\_id" runat="server" Text="Enter User Id"></asp:Label>

<asp:TextBox ID="inp\_user\_id" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server" ErrorMessage="User id is Required" ControlToValidate="inp\_user\_id" ForeColor="Red" Display="Dynamic"></asp:RequiredFieldValidator>

<asp:CustomValidator ID="CustomValidator1" runat="server" ErrorMessage="Ensure proper format (UID000000)" BorderStyle="None" ControlToValidate="inp\_user\_id" OnServerValidate="CustomValidator1\_ServerValidate" ForeColor="Red" Display="Dynamic"> </asp:CustomValidator>

<br />

<asp:Button ID="Button1" runat="server" Text="Submit" OnClick="Button1\_Click" />

<br />

<asp:ValidationSummary ID="ValidationSummary1" runat="server" ForeColor="Red" ShowSummary="true" DisplayMode="List" />

<br/>

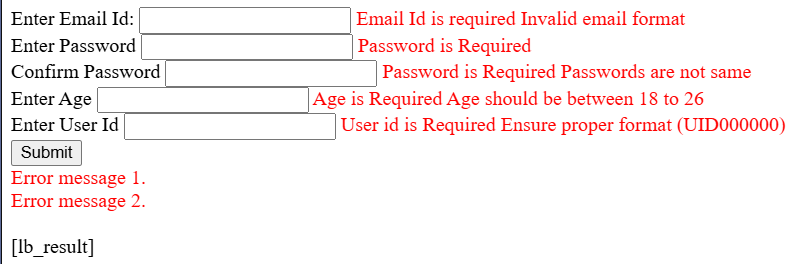
<asp:Label ID="lb\_result" runat="server" Text=""></asp:Label>

</div>

</form>

</body>

</html>

* **Design**
* **Code of WebForm1.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_6 {

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

{

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

protected void CustomValidator1\_ServerValidate(object source, ServerValidateEventArgs args) {

string pattern = @"^UID\d{6}$";

if (System.Text.RegularExpressions.Regex.IsMatch(args.Value, pattern)) {

args.IsValid = true;

} else {

args.IsValid = false;

lb\_result.Text = "";

}

}

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

if (Page.IsValid) {

lb\_result.Text = "Email id: " + inp\_email\_id.Text.ToString() +

" Password is: " + inp\_password.Text.ToString() +

" Age is: " + inp\_age.Text.ToString() +

" User ID: " + inp\_user\_id.Text.ToString();

} else {

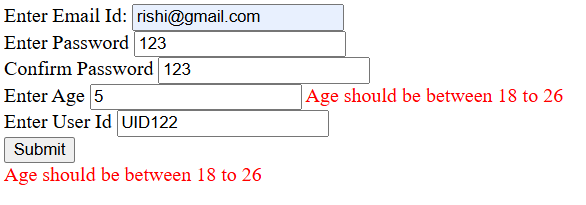
lb\_result.Text = "";

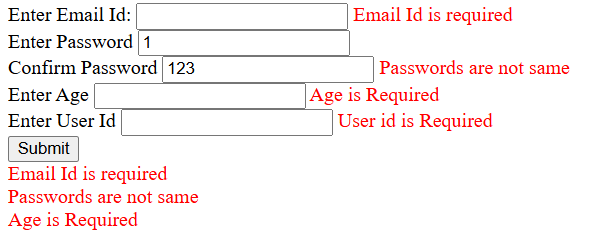
}

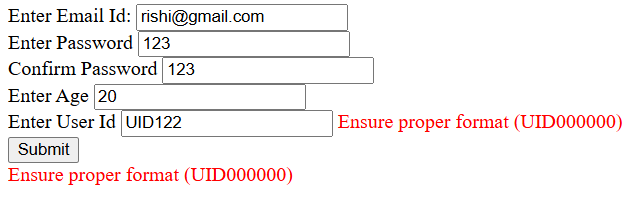
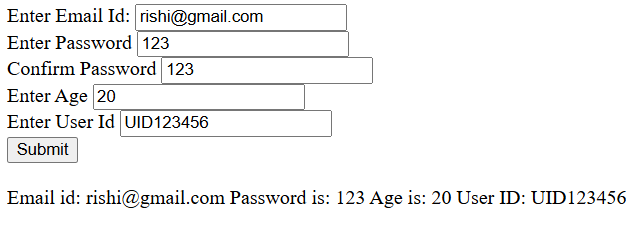
}

}

}

* **Output**

****



# **Practical – 7**

**Aim: Create a website using Multiview control.**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Practical\_7.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Gaming Hub</title>

</head>

<body>

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

<div>

<asp:Label ID="lb\_greet" runat="server" Text=""></asp:Label>

<asp:MultiView ID="MultiView1" runat="server">

<asp:View ID="View1" runat="server">

<asp:Label ID="lb\_intro\_head" runat="server" Text="Welcome to Gaming Hub"></asp:Label> <br />

<asp:Label ID="lb\_intro\_sec" runat="server" Text="Discover the world of gaming, from FPS to RPGs!!!"></asp:Label> <br />

<asp:Label ID="lb\_username" runat="server" Text="Enter your username"></asp:Label>

<asp:TextBox ID="inp\_username" runat="server"></asp:TextBox> <br />

<asp:Button ID="btn\_next\_01" runat="server" Text="Next" OnClick="Button1\_Click" />

</asp:View>

<asp:View ID="View2" runat="server">

<asp:Label ID="fav\_game" runat="server" Text="Choose your favorite game"></asp:Label> <br />

<asp:RadioButtonList ID="RadioButtonList1" runat="server">

<asp:ListItem>RDR 2</asp:ListItem>

<asp:ListItem>GTA V</asp:ListItem>

<asp:ListItem>The Last of US</asp:ListItem>

<asp:ListItem>God Of War</asp:ListItem>

<asp:ListItem>Uncharted</asp:ListItem>

</asp:RadioButtonList> <br />

<asp:Button ID="btn\_pre\_0" runat="server" Text="Back" OnClick="btn\_pre\_0\_Click" />

<asp:Button ID="btn\_next\_02" runat="server" Text="Next" OnClick="btn\_next\_02\_Click" />

</asp:View>

<asp:View ID="View3" runat="server">

<asp:Label ID="lb\_pref\_head" runat="server" Text="Gaming Preferences"></asp:Label> <br />

<asp:Label ID="lb\_fav\_game" runat="server" Text="Enter your all-time favorite game:"></asp:Label>

<asp:TextBox ID="inp\_fav\_game" runat="server"></asp:TextBox> br /><br />

<asp:Label ID="lb\_device" runat="server" Text="Preferred Gaming Platform:"></asp:Label>

<asp:DropDownList ID="ddl\_device" runat="server">

<asp:ListItem>PC</asp:ListItem>

<asp:ListItem>Console (PS/Xbox)</asp:ListItem>

<asp:ListItem>Gaming Laptop</asp:ListItem>

</asp:DropDownList> <br /><br />

<asp:Label ID="lb\_playstyle" runat="server" Text="Preferred Playstyle:"></asp:Label>

<asp:CheckBoxList ID="cbl\_playstyle" runat="server">

<asp:ListItem>Casual</asp:ListItem>

<asp:ListItem>Competitive</asp:ListItem>

<asp:ListItem>Story-driven</asp:ListItem>

<asp:ListItem>Multiplayer</asp:ListItem>

</asp:CheckBoxList> <br /><br />

<asp:Button ID="btn\_pre\_3" runat="server" Text="Back" OnClick="btn\_pre\_3\_Click" />

<asp:Button ID="btn\_next\_3" runat="server" Text="Next" OnClick="btn\_next\_3\_Click" />

</asp:View>

<asp:View ID="View4" runat="server">

<asp:Label ID="lb\_summary" runat="server" Text="Your Gaming Summary:"></asp:Label> <br />

<asp:Label ID="lb\_final\_game" runat="server" Text=""></asp:Label> <br />

<asp:Label ID="lb\_final\_device" runat="server" Text=""></asp:Label> <br />

<asp:Label ID="lb\_final\_style" runat="server" Text=""></asp:Label> br />

<asp:Button ID="btn\_pre\_4" runat="server" Text="Back" OnClick="btn\_pre\_4\_Click" />

</asp:View>

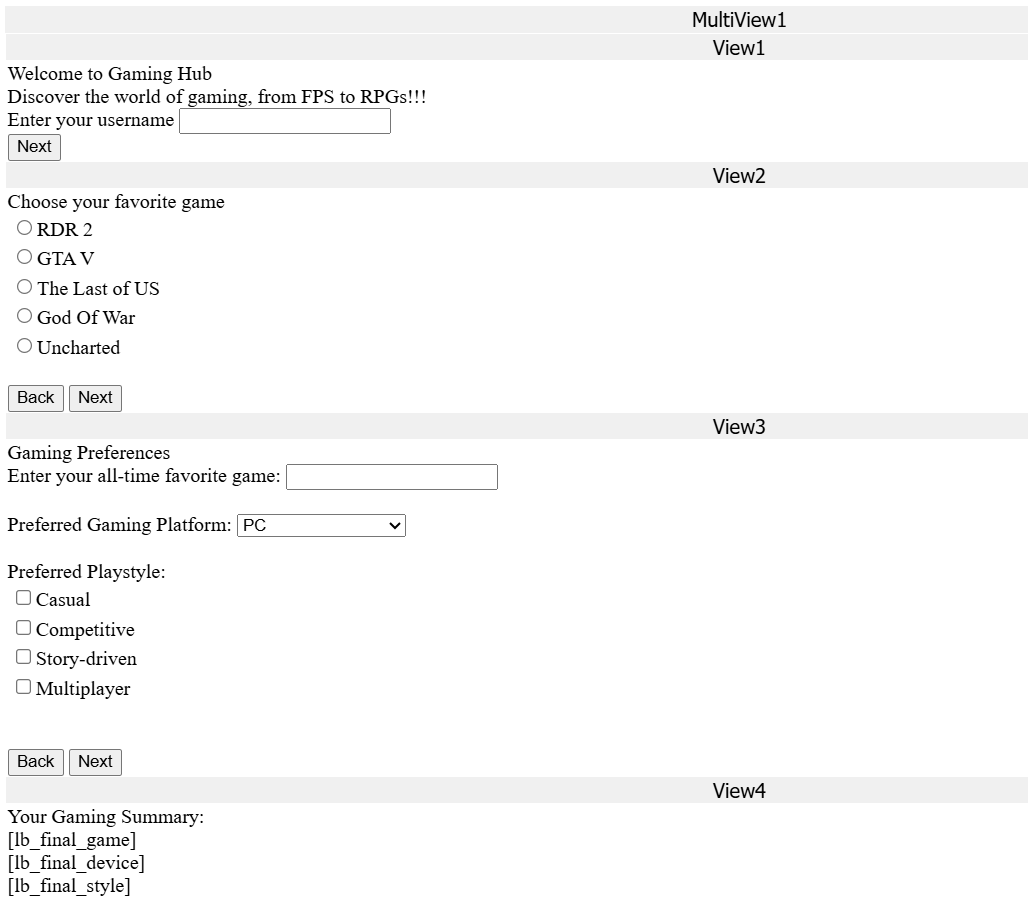
</asp:MultiView>

</div>

</form>

</body>

</html>

* **Design**
* **Code of WebForm1.aspx.cs**

using System;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_7

{

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

{

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

if (!IsPostBack) {

MultiView1.ActiveViewIndex = 0;

}

}

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

lb\_greet.Text = "Welcome " + inp\_username.Text.ToString() + "<br />";

MultiView1.ActiveViewIndex = 1;

}

protected void btn\_pre\_0\_Click(object sender, EventArgs e) {

MultiView1.ActiveViewIndex = 0;

}

protected void btn\_next\_02\_Click(object sender, EventArgs e) {

MultiView1.ActiveViewIndex = 2;

}

protected void btn\_pre\_3\_Click(object sender, EventArgs e) {

MultiView1.ActiveViewIndex = 1;

}

protected void btn\_next\_3\_Click(object sender, EventArgs e) {

lb\_final\_game.Text = "🎮 Favorite Game: " + inp\_fav\_game.Text;

lb\_final\_device.Text = "🖥️ Preferred Platform: " + ddl\_device.SelectedItem.Text;

string playstyle = "🎭 Playstyle: ";

foreach (ListItem item in cbl\_playstyle.Items) {

if (item.Selected) {

playstyle += item.Text + ", ";

}

}

lb\_final\_style.Text = playstyle.TrimEnd(',', ' ');

MultiView1.ActiveViewIndex = 3;

}

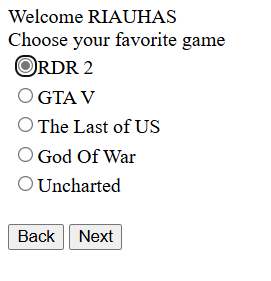
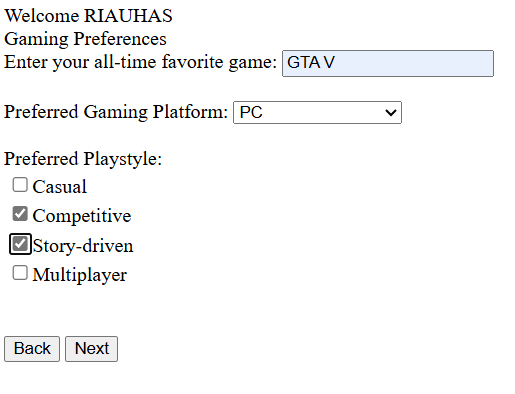
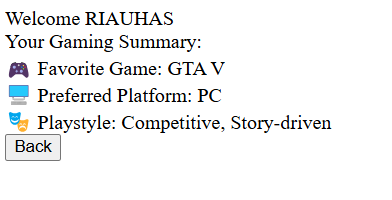
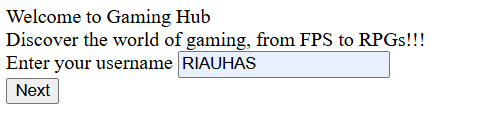
protected void btn\_pre\_4\_Click(object sender, EventArgs e) {

MultiView1.ActiveViewIndex = 2;

}

}

}

* **Output**

# **Practical – 8**

**Aim: Create a website using session state & cookies handling**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Practical\_8.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style>

#btn\_login, #remeber\_me {

margin: 10px 0 0 138px;

}

</style>

</head>

<body>

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

<div>

<asp:Label ID="lb\_username" runat="server" Text="Enter your username"></asp:Label>

<asp:TextBox ID="inp\_username" runat="server"></asp:TextBox> <br />

<asp:Label ID="lb\_password" runat="server" Text="Enter your Password"></asp:Label>

<asp:TextBox ID="inp\_password" runat="server"></asp:TextBox> <br />

<asp:Button ID="btn\_login" runat="server" Text="Log In" Width="170px" OnClick="btn\_login\_Click" /> <br />

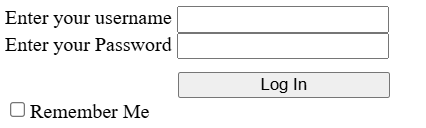
<asp:CheckBox ID="remember\_me" runat="server" Text="Remember Me" OnCheckedChanged="remember\_me\_CheckedChanged" />

</div>

</form>

</body>

</html>

* **Design**
* **Code of WebForm1.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_8

{

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

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

if (!IsPostBack) {

if (Request.Cookies["save\_user"] != null) {

inp\_username.Text = Request.Cookies["save\_user"].Value;

remember\_me.Checked = true;

}

}

}

protected void remember\_me\_CheckedChanged(object sender, EventArgs e)

{

if (remember\_me.Checked)

{

HttpCookie save\_user = new HttpCookie("save\_user");

save\_user.Value = inp\_username.Text;

save\_user.Expires = DateTime.Now.AddMinutes(30);

Response.Cookies.Add(save\_user);

} else {

if (Request.Cookies["save\_user"] != null)

{

HttpCookie save\_user = new HttpCookie("save\_user");

save\_user.Expires = DateTime.Now.AddDays(-1);

Response.Cookies.Add(save\_user);

}

}

}

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

Session["email\_id"] = inp\_username.Text.ToString();

Response.Redirect("WebForm2.aspx");

}

}

}

* **WebForm2.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="Practical\_8.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

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

<br />

<asp:Button ID="Button1" runat="server" Text="Log out" OnClick="Button1\_Click" />

</div>

</form>

</body>

</html>

* **Design**
* **Code of WebForm2.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_8 {

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

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

if (!IsPostBack) {

if (Session["email\_id"] == null) {

if (Request.Cookies["save\_user"] != null) {

Session["email\_id"] = Request.Cookies["save\_user"].Value;

} else {

Response.Redirect("WebForm1.aspx");

}

}

Label1.Text = "Welcome " + Session["email\_id"];

}

}

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

Session.Abandon();

if (Request.Cookies["save\_user"] != null) {

HttpCookie save\_user = new HttpCookie("save\_user");

save\_user.Expires = DateTime.Now.AddDays(-1);

Response.Cookies.Add(save\_user);

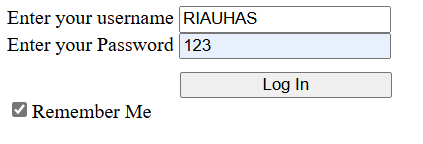
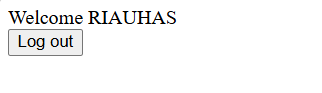
}

Response.Redirect("WebForm1.aspx");

}

}

}

* **Output**

# **Practical – 9**

**Aim: Create a website showing implementation of master pages**

* **Code of Defualt.aspx**

<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="Practical\_9\_V2\_.\_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

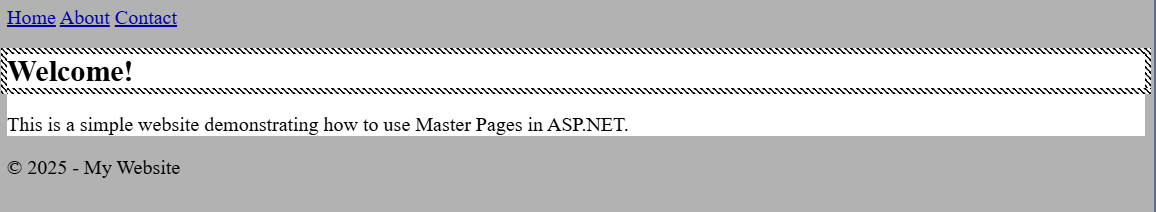
<h2>Welcome!</h2>

<p>This is a simple website demonstrating how to use Master Pages in ASP.NET.</p>

<asp:Button ID="btnAbout" runat="server" Text="Learn More" OnClick="btnAbout\_Click" />

</asp:Content>

* **Design**



* **Code of Default.aspx.cs**

using System;

using System.Web.UI;

namespace Practical\_9\_V2\_ {

public partial class \_Default : Page {

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

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

Response.Redirect("About.aspx");

}

}

}

* **Code of About.aspx**

<%@ Page Title="About" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="About.aspx.cs" Inherits="Practical\_9\_V2\_.About" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

<main aria-labelledby="title">

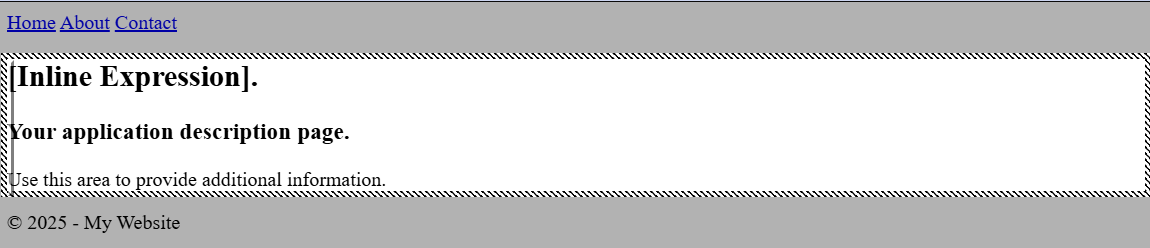
<h2 id="title"><%: Title %>.</h2>

<h3>Your application description page.</h3>

<p>Use this area to provide additional information.</p>

</main>

</asp:Content>

* **Design**
* **Code of About.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_9\_V2\_ {

public partial class About : Page {

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

}

}

}

* **Code of Contact.aspx**

<%@ Page Title="Contact" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Contact.aspx.cs" Inherits="Practical\_9\_V2\_.Contact" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

<main aria-labelledby="title">

<h2 id="title"><%: Title %>.</h2>

<h3>Your contact page.</h3>

<address>

Groove Street<br />

Los Santos, LS 98645-56325<br />

<abbr title="Phone">P:</abbr>

+1 562-651-795

</address>

<address>

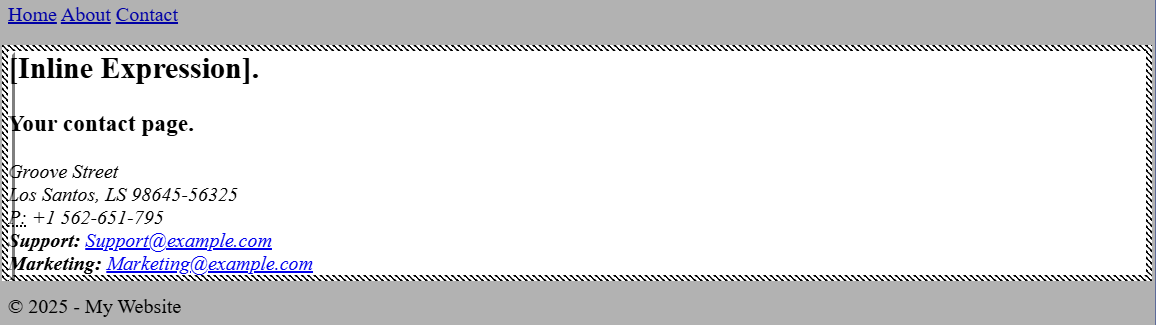
<strong>Support:</strong> <a href="mailto:Support@example.com">Support@example.com</a><br />

<strong>Marketing:</strong> <a href="mailto:Marketing@example.com">Marketing@example.com</a>

</address>

</main>

</asp:Content>

* **Design**
* **Code of Contact.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_9\_V2\_ {

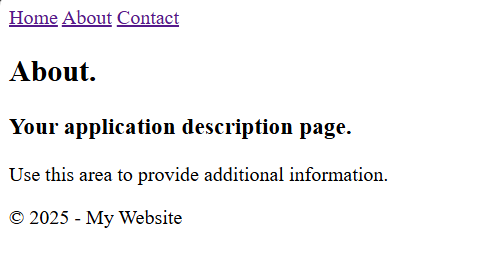
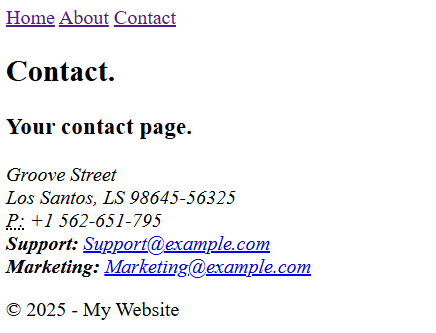
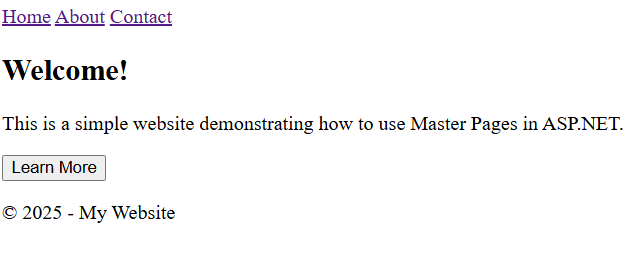
public partial class Contact : Page {

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

}

}

}

* **Output**

# **Practical – 10**

**Aim: Create a website showing the implementation of dropdownlist different properties usage**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="practical\_10.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<h2>DropDownList Properties Example</h2>

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

<asp:ListItem Text="Select a Fruit" Value="" />

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

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

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

</asp:DropDownList> <br /><br />

<asp:Label ID="lblSelectedFruit" runat="server" Text="Your selection will appear here."></asp:Label> <br /><br />

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

<br /><br />

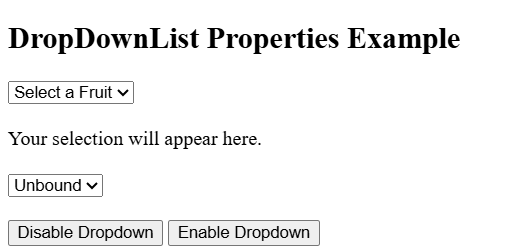
<asp:Button ID="btnDisable" runat="server" Text="Disable Dropdown" OnClick="btnDisable\_Click" />

<asp:Button ID="btnEnable" runat="server" Text="Enable Dropdown" OnClick="btnEnable\_Click" />

</form>

</body>

</html>

* **Design**
* **Code of WebForm1.aspx.cs**

using System;

using System.Collections.Generic;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace practical\_10

{

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

{

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

{

if (!IsPostBack)

{

List<string> cities = new List<string> { "New York", "London", "Tokyo", "Mumbai" };

ddlCities.DataSource = cities;

ddlCities.DataBind();

ddlCities.Items.Insert(0, new ListItem("Select a City", ""));

}

}

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

{

lblSelectedFruit.Text = "You selected: " + ddlFruits.SelectedItem.Text;

}

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

{

ddlFruits.Enabled = false;

}

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

{

ddlFruits.Enabled = true;

}

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

{

if (!ddlFruits.Enabled)

{

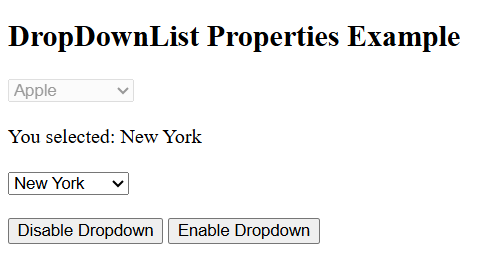
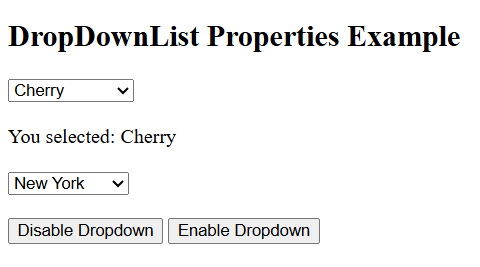
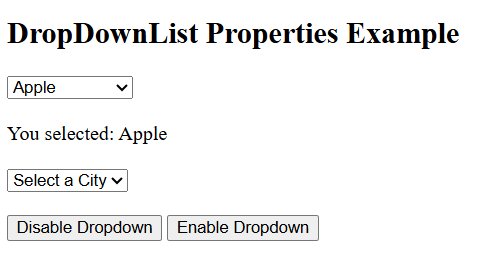
lblSelectedFruit.Text = "You selected: " + ddlCities.SelectedItem.Text;

}

}

}

}

* **Output**

# **Practical – 11**

**Aim: Create a website showing the implementation of dropdownlist different properties usage**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="practical\_11.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style>

.menu-container {

background-color: #f8f8f8;

padding: 10px;

border: 1px solid #ccc;

width: 300px;

}

.menu-container ul {

list-style: none;

padding: 0;

}

.menu-container li {

display: inline;

margin-right: 15px;

}

.menu-container a {

text-decoration: none;

font-weight: bold;

color: black;

}

.menu-container a:hover {

color: blue;

}

</style>

</head>

<body>

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

<asp:Menu ID="Menu1" runat="server" Orientation="Horizontal" StaticDisplayLevels="2">

<Items>

<asp:MenuItem Text="Home" NavigateUrl="~/Home.aspx"></asp:MenuItem>

<asp:MenuItem Text="About" NavigateUrl="~/About.aspx"></asp:MenuItem>

<asp:MenuItem Text="Services">

<asp:MenuItem Text="Web Development" NavigateUrl="~/WebDev.aspx"></asp:MenuItem>

<asp:MenuItem Text="App Development" NavigateUrl="~/AppDev.aspx"></asp:MenuItem>

</asp:MenuItem>

<asp:MenuItem Text="Contact" NavigateUrl="~/Contact.aspx"></asp:MenuItem>

</Items>

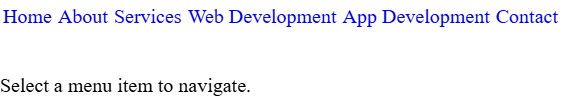
</asp:Menu> <br /><br />

<asp:Label ID="lblMessage" runat="server" Text="Select a menu item to navigate."></asp:Label>

</form>

</body>

</html>

* **Design**
* **Code of WebForm1.aspx.cs**

using System;

using System.Web.UI;

namespace practical\_11

{

public partial class WebForm1 : Page

{

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

lblMessage.Text = "Here is the MenuStrip!";

}

}

}

* **Output**

# **Practical – 12**

**Aim: Create a website to retrieve data from the database and shown under the gridview with edit/update operation.**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Practical\_12.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Employee Data</title>

</head>

<body>

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

<div>

<h2>Employee Data</h2>

<asp:TextBox ID="inp\_name" runat="server" Placeholder="Name" /><br />

<asp:TextBox ID="inp\_city" runat="server" Placeholder="City" /><br />

<asp:TextBox ID="inp\_age" runat="server" Placeholder="Age" TextMode="Number" /><br />

<asp:TextBox ID="inp\_gender" runat="server" Placeholder="Gender" /><br />

<asp:TextBox ID="inp\_join\_date" runat="server" Placeholder="Join Date (yyyy-mm-dd)" /><br />

<asp:TextBox ID="inp\_contact" runat="server" Placeholder="Contact" /><br /><br />

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

<br /><br />

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

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataKeyNames="emp\_id"

OnRowEditing="GridView1\_RowEditing"

OnRowUpdating="GridView1\_RowUpdating"

OnRowCancelingEdit="GridView1\_RowCancelingEdit">

<Columns>

<asp:BoundField DataField="emp\_id" HeaderText="ID" ReadOnly="True" />

<asp:BoundField DataField="emp\_name" HeaderText="Name" />

<asp:BoundField DataField="emp\_city" HeaderText="City" />

<asp:BoundField DataField="emp\_age" HeaderText="Age" />

<asp:BoundField DataField="emp\_gender" HeaderText="Gender" />

<asp:BoundField DataField="emp\_join\_date" HeaderText="Join Date" />

<asp:BoundField DataField="emp\_contact" HeaderText="Contact" />

<asp:CommandField ShowEditButton="True" />

</Columns>

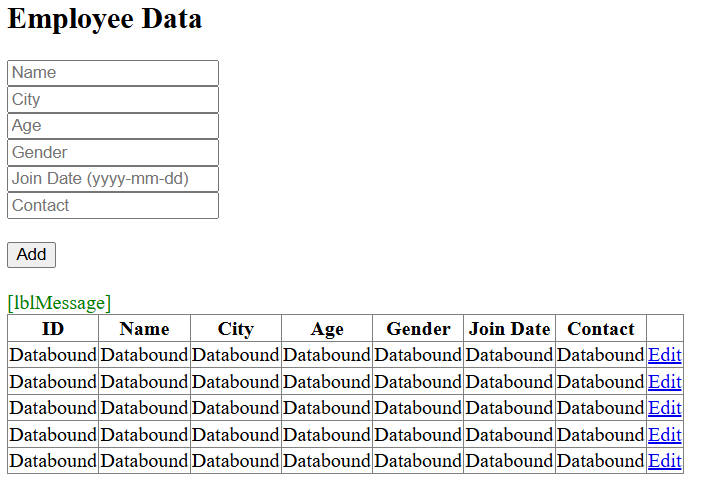
</asp:GridView>

</div>

</form>

</body>

</html>

* **Design**
* **Code of WebForm1.aspx.cs**

using System;

using System.Data;

using System.Data.SqlClient;

using System.Web.UI.WebControls;

namespace Practical\_12 {

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

string connectionString = @"Data Source=(localdb)\ProjectModels;Initial Catalog=Practical\_12;Integrated Security=True;";

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

if (!IsPostBack) {

LoadEmployeeData();

}

}

private void LoadEmployeeData() {

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

string query = "SELECT \* FROM Employee";

SqlDataAdapter da = new SqlDataAdapter(query, conn);

DataTable dt = new DataTable();

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

}

}

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

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

string query = "INSERT INTO Employee (emp\_name, emp\_city, emp\_age, emp\_gender, emp\_join\_date, emp\_contact) VALUES (@Name, @City, @Age, @Gender, @JoinDate, @Contact)";

SqlCommand cmd = new SqlCommand(query, conn);

cmd.Parameters.AddWithValue("@Name", inp\_name.Text);

cmd.Parameters.AddWithValue("@City", inp\_city.Text);

cmd.Parameters.AddWithValue("@Age", inp\_age.Text);

cmd.Parameters.AddWithValue("@Gender", inp\_gender.Text);

cmd.Parameters.AddWithValue("@JoinDate", inp\_join\_date.Text);

cmd.Parameters.AddWithValue("@Contact", inp\_contact.Text);

try {

conn.Open();

cmd.ExecuteNonQuery();

lblMessage.Text = "Employee added successfully!";

LoadEmployeeData();

} catch (Exception ex) {

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

}

}

}

protected void GridView1\_RowEditing(object sender, GridViewEditEventArgs e) {

GridView1.EditIndex = e.NewEditIndex;

LoadEmployeeData();

}

protected void GridView1\_RowCancelingEdit(object sender, GridViewCancelEditEventArgs e) {

GridView1.EditIndex = -1;

LoadEmployeeData();

}

protected void GridView1\_RowUpdating(object sender, GridViewUpdateEventArgs e) {

GridViewRow row = GridView1.Rows[e.RowIndex];

int empId = Convert.ToInt32(GridView1.DataKeys[e.RowIndex].Value);

string name = ((TextBox)row.Cells[1].Controls[0]).Text;

string city = ((TextBox)row.Cells[2].Controls[0]).Text;

string age = ((TextBox)row.Cells[3].Controls[0]).Text;

string gender = ((TextBox)row.Cells[4].Controls[0]).Text;

string joinDate = ((TextBox)row.Cells[5].Controls[0]).Text;

string contact = ((TextBox)row.Cells[6].Controls[0]).Text;

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

string query = "UPDATE Employee SET emp\_name = @Name, emp\_city = @City, emp\_age = @Age, emp\_gender = @Gender, emp\_join\_date = @JoinDate, emp\_contact = @Contact WHERE emp\_id = @Id";

SqlCommand cmd = new SqlCommand(query, conn);

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

cmd.Parameters.AddWithValue("@City", city);

cmd.Parameters.AddWithValue("@Age", age);

cmd.Parameters.AddWithValue("@Gender", gender);

cmd.Parameters.AddWithValue("@JoinDate", joinDate);

cmd.Parameters.AddWithValue("@Contact", contact);

cmd.Parameters.AddWithValue("@Id", empId);

try {

conn.Open();

cmd.ExecuteNonQuery();

lblMessage.Text = "Employee updated successfully!";

} catch (Exception ex) {

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

}

}

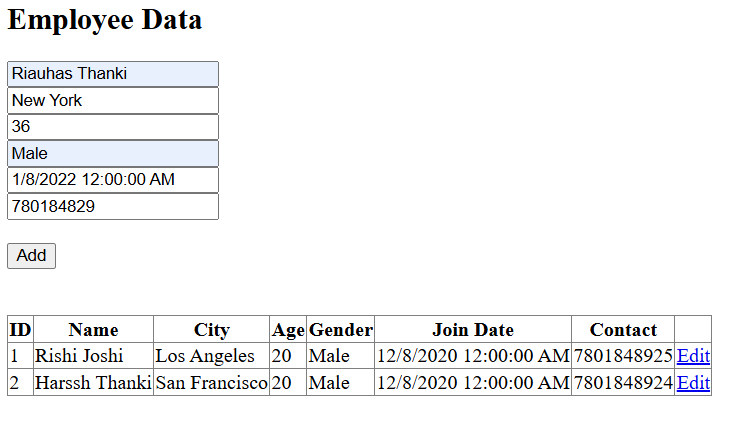
GridView1.EditIndex = -1;

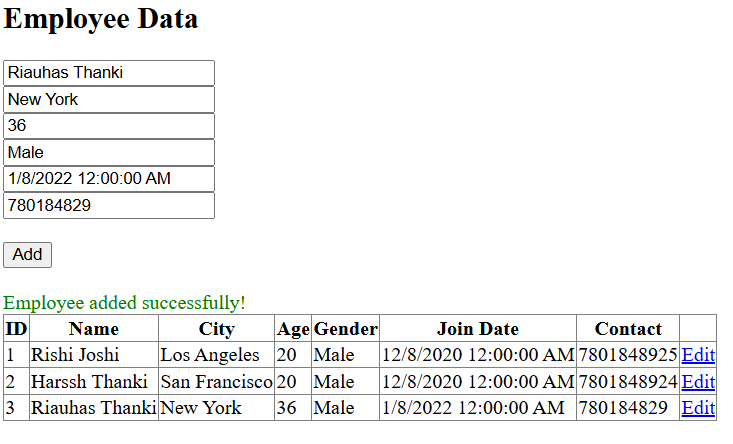
LoadEmployeeData();

}

}

}

* **Output**



# **Practical – 13**

**Aim: Create a web page demonstrating the structure of MDI form.**

* **Code of MDI.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="MDI.aspx.cs" Inherits="Practical\_13.MDI" %>

<!DOCTYPE html>

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

<head runat="server">

<title>MDI Form Simulation</title>

</head>

<body>

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

<h2>MDI Form (Parent)</h2>

<asp:Button ID="btnChild1" runat="server" Text="Open Child 1" OnClick="btnChild1\_Click" />

<asp:Button ID="btnChild2" runat="server" Text="Open Child 2" OnClick="btnChild2\_Click" />

<br /><br />

<!-- Iframe acts as a container for child pages -->

<iframe id="iframeChild" runat="server" style="width: 100%; height: 400px;" src=""></iframe>

</form>

</body>

</html>

* **Code of MDI.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_13 {

public partial class MDI : System.Web.UI.Page {

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

Protected void btnChild1\_Click(object sender, EventArgs e) {

iframeChild.Attributes["src"] = "Child1.aspx";

}

protected void btnChild2\_Click(object sender, EventArgs e){

iframeChild.Attributes["src"] = "Child2.aspx";

}

}

}

* **Design**
* **Code of Child1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Child1.aspx.cs" Inherits="Practical\_13.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Child 1</title>

</head>

<body>

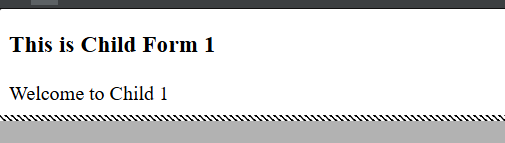
<form id="form1" runat="server">

<h3>This is Child Form 1</h3>

<asp:Label ID="Label1" runat="server" Text="Welcome to Child 1"></asp:Label>

</form>

</body>

****</html>

* **Design**
* **Code of Child2.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Child2.aspx.cs" Inherits="Practical\_13.WebForm3" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Child 2</title>

</head>

<body>

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

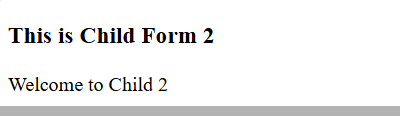
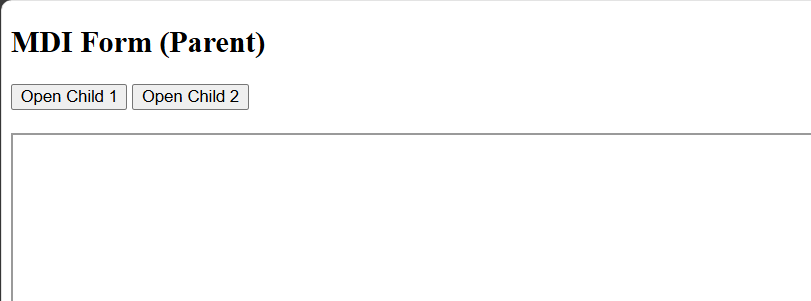
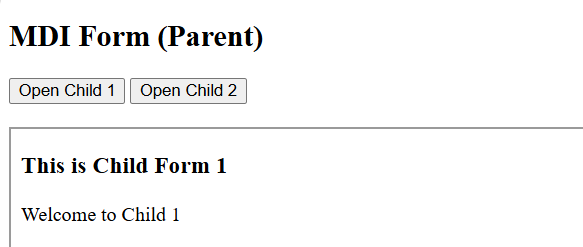
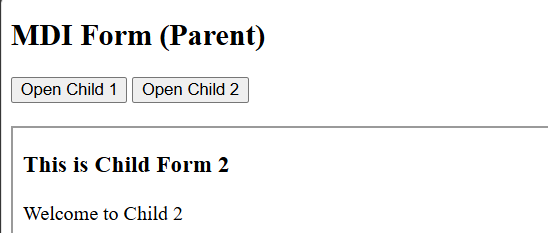
<h3>This is Child Form 2</h3>

<asp:Label ID="Label1" runat="server" Text="Welcome to Child 2"></asp:Label>

</form>

</body>

</html>

* **Design**
* **Output**

# **Practical – 14**

**Aim: Creating a website using CRUD operations.**

* **Code of WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Practical\_14.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Employee CRUD</title>

</head>

<body>

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

<div>

<h2>Add Employee</h2>

<asp:TextBox ID="emp\_name" runat="server" Placeholder="Name"></asp:TextBox><br />

<asp:TextBox ID="emp\_city" runat="server" Placeholder="City"></asp:TextBox><br />

<asp:TextBox ID="emp\_age" runat="server" Placeholder="Age"></asp:TextBox><br />

<asp:TextBox ID="emp\_gender" runat="server" Placeholder="Gender"></asp:TextBox><br />

<asp:TextBox ID="emp\_join\_date" runat="server" Placeholder="Join Date (yyyy-mm-dd)"></asp:TextBox><br />

<asp:TextBox ID="emp\_contact" runat="server" Placeholder="Contact"></asp:TextBox><br />

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

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

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataKeyNames="emp\_id"

OnRowEditing="GridView1\_RowEditing"

OnRowUpdating="GridView1\_RowUpdating"

OnRowCancelingEdit="GridView1\_RowCancelingEdit"

OnRowDeleting="GridView1\_RowDeleting">

<Columns>

<asp:BoundField DataField="emp\_id" HeaderText="ID" ReadOnly="True" />

<asp:BoundField DataField="emp\_name" HeaderText="Name" />

<asp:BoundField DataField="emp\_city" HeaderText="City" />

<asp:BoundField DataField="emp\_age" HeaderText="Age" />

<asp:BoundField DataField="emp\_gender" HeaderText="Gender" />

<asp:BoundField DataField="emp\_join\_date" HeaderText="Join Date" />

<asp:BoundField DataField="emp\_contact" HeaderText="Contact" />

<asp:CommandField ShowEditButton="True" ShowDeleteButton="True" />

</Columns>

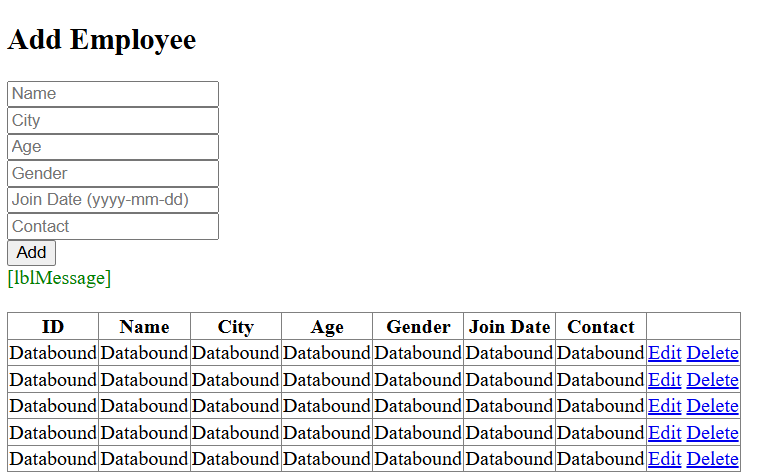
</asp:GridView>

</div>

</form>

</body>

</html>

* **Design**
* **Code of WebFrom1.aspx.cs**

using System;

using System.Data;

using System.Data.SqlClient;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_14 {

public partial class We1\bForm1 : System.Web.UI.Page {

string connectionString = @"Data Source=(localdb)\ProjectModels;Initial Catalog=Practical\_12;Integrated Security=True;Connect Timeout=30;Encrypt=False;";

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

if (!IsPostBack) {

LoadEmployeeData();

}

}

private void LoadEmployeeData() {

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

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

DataTable dt = new DataTable();

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

}

}

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

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

SqlCommand cmd = new SqlCommand("INSERT INTO Employee (emp\_name, emp\_city, emp\_age, emp\_gender, emp\_join\_date, emp\_contact) VALUES (@Name, @City, @Age, @Gender, @JoinDate, @Contact)", conn);

cmd.Parameters.AddWithValue("@Name", emp\_name.Text);

cmd.Parameters.AddWithValue("@City", emp\_city.Text);

cmd.Parameters.AddWithValue("@Age", emp\_age.Text);

cmd.Parameters.AddWithValue("@Gender", emp\_gender.Text);

cmd.Parameters.AddWithValue("@JoinDate", emp\_join\_date.Text);

cmd.Parameters.AddWithValue("@Contact", emp\_contact.Text);

conn.Open();

cmd.ExecuteNonQuery();

conn.Close();

lblMessage.Text = "Employee added successfully!";

LoadEmployeeData();

}

}

protected void GridView1\_RowEditing(object sender, GridViewEditEventArgs e) {

GridView1.EditIndex = e.NewEditIndex;

LoadEmployeeData();

}

protected void GridView1\_RowCancelingEdit(object sender, GridViewCancelEditEventArgs e) {

GridView1.EditIndex = -1;

LoadEmployeeData();

}

protected void GridView1\_RowUpdating(object sender, GridViewUpdateEventArgs e) {

int id = Convert.ToInt32(GridView1.DataKeys[e.RowIndex].Value);

GridViewRow row = GridView1.Rows[e.RowIndex];

string name = ((TextBox)row.Cells[1].Controls[0]).Text;

string city = ((TextBox)row.Cells[2].Controls[0]).Text;

string age = ((TextBox)row.Cells[3].Controls[0]).Text;

string gender = ((TextBox)row.Cells[4].Controls[0]).Text;

string joinDate = ((TextBox)row.Cells[5].Controls[0]).Text;

string contact = ((TextBox)row.Cells[6].Controls[0]).Text;

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

SqlCommand cmd = new SqlCommand("UPDATE Employee SET emp\_name=@Name, emp\_city=@City, emp\_age=@Age, emp\_gender=@Gender, emp\_join\_date=@JoinDate, emp\_contact=@Contact WHERE emp\_id=@Id", conn);

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

cmd.Parameters.AddWithValue("@City", city);

cmd.Parameters.AddWithValue("@Age", age);

cmd.Parameters.AddWithValue("@Gender", gender);

cmd.Parameters.AddWithValue("@JoinDate", joinDate);

cmd.Parameters.AddWithValue("@Contact", contact);

cmd.Parameters.AddWithValue("@Id", id);

conn.Open();

cmd.ExecuteNonQuery();

}

GridView1.EditIndex = -1;

LoadEmployeeData();

}

protected void GridView1\_RowDeleting(object sender, GridViewDeleteEventArgs e) {

int id = Convert.ToInt32(GridView1.DataKeys[e.RowIndex].Value);

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

SqlCommand cmd = new SqlCommand("DELETE FROM Employee WHERE emp\_id=@Id", conn);

cmd.Parameters.AddWithValue("@Id", id);

conn.Open();

cmd.ExecuteNonQuery();

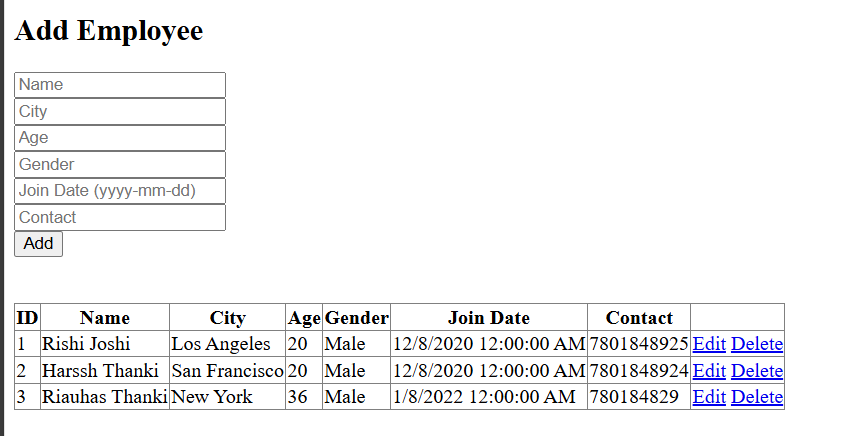
}

LoadEmployeeData();

}

}

}

* **Output**

# **Practical – 15**

**Aim: Creating a website using Web services for addition of two numbers**

* **Code of WebService1.asmx.cs**

using System;

using System.Web.Services;

namespace Practical\_15 {

[WebService(Namespace = "http://tempuri.org/")]

[WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1\_1)]

[System.ComponentModel.ToolboxItem(false)]

public class WebService1 : System.Web.Services.WebService {

public int Add(int a, int b) {

return a + b;

}

public int Subtract(int a, int b) {

return a - b;

}

public int Multiply(int a, int b) {

return a \* b;

}

public double Divide(double a, double b) {

if (b == 0)

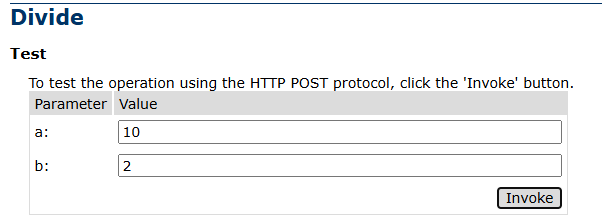
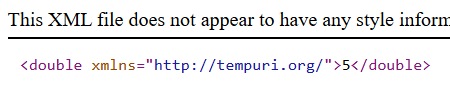
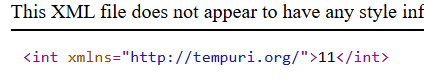
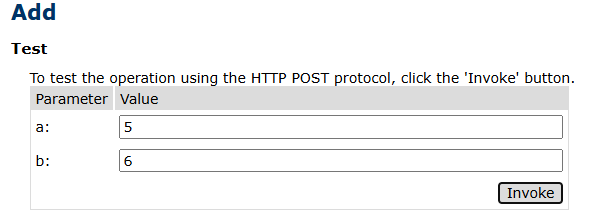
return double.NaN; // Return Not-a-Number if division by zero

return a / b;

}

}

}

* **Output**