Q1:

StudentElection.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="StudentElection.aspx.cs"
Inherits="Q1.StudentElection" UnobtrusiveValidationMode ="None"%>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body style="height: 306px">
    <form id="form1" runat="server">
        <div style="height: 336px">
            <asp:Label ID="Label1" runat="server" Text="Candidate"></asp:Label>
           
            <asp:DropDownList ID="candidate_DDL" runat="server">
            </asp:DropDownList>
            <br />
            <br />
            House       
            <asp:RadioButtonList ID="RadioButtonList_House" runat="server">
            </asp:RadioButtonList>
            <br />
            Class
            <asp:TextBox ID="TextBox_Class" runat="server"></asp:TextBox>
            <br />
            <br />
            Email
            <asp:TextBox ID="TextBox_Email" runat="server"></asp:TextBox>
            <br />
            <br />
            Parent Contact     
            <asp:TextBox ID="TextBox_ParentContact" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" Text="Submit"
OnClick="Button1_Click" />
            <br />
            <br />
            <asp:Label ID="Label2" runat="server" Text=""></asp:Label>
            <br />
            <asp:RequiredFieldValidator ID ="rfvCandidate" runat ="server"
ControlToValidate = "Candidate_DDL" ErrorMessage ="Please choose a candidate"
InitialValue ="Choose a candidate"></asp:RequiredFieldValidator>
            <br />
            <asp:RequiredFieldValidator ID ="rfvClass" runat ="server"
ControlToValidate = "TextBox_Class" ErrorMessage ="Enter a
Class"></asp:RequiredFieldValidator><br />
            <asp:RequiredFieldValidator ID ="rfvEmail" runat ="server"
ControlToValidate = "TextBox_Email" ErrorMessage ="Enter an Email
ID"></asp:RequiredFieldValidator><br />
            <asp:RequiredFieldValidator ID ="rfvHouse" runat ="server"
ControlToValidate = "RadioButtonList_House" ErrorMessage ="Select a
house"></asp:RequiredFieldValidator><br />

            <asp:RangeValidator ID ="rngvClass" MaximumValue ="12" runat ="server"
MinimumValue ="6" Type ="Integer" ErrorMessage = "Enter a class between 6 and 12"
ControlToValidate ="TextBox_Class"></asp:RangeValidator>
            <br />
```

```
            <asp:RegularExpressionValidator id="vldEmail" runat="server"
ErrorMessage="This email is missing the @ symbol." ValidationExpression=".+@.+"
ControlToValidate="TextBox_Email" />
            <br />
            <asp:CustomValidator ID="vldPhone" runat="server" ErrorMessage="Enter a
valid phone number" ValidateEmptyText="False"
ControlToValidate="TextBox_ParentContact" onServerValidate="vldPhone_ServerValidate"
/>
            <br />
            <asp:ValidationSummary id="valSum" DisplayMode="BulletList" runat="server"
HeaderText = "Following Fields have errors in them:"/>

        </div>
    </form>
</body>
</html>
```

StudentElection.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Q1
{
    public partial class StudentElection : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                candidate_DDL.Items.Add("A");
                candidate_DDL.Items.Add("B");
                candidate_DDL.Items.Add("C");

                RadioButtonList_House.Items.Add("A");
                RadioButtonList_House.Items.Add("B");
                RadioButtonList_House.Items.Add("C");
                RadioButtonList_House.Items.Add("D");
            }
        }

        protected void vldPhone_ServerValidate(Object source, ServerValidateEventArgs
e)
        {
            try
            {
                int val = Int32.Parse(e.Value.Substring(0, 3));
                e.IsValid = true;
            }
            catch
            {
                e.IsValid = false;
            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
```
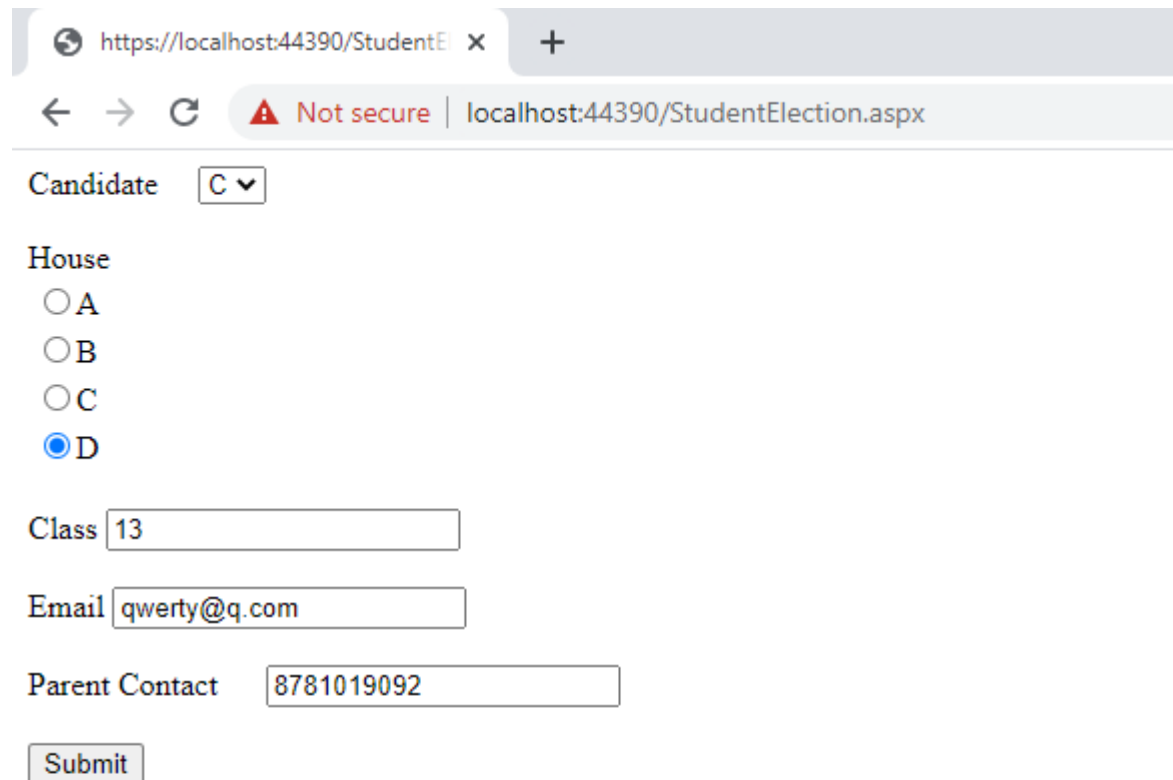
```
            Label2.Text = "Successfully Submitted\n";
        }
    }
}
```

← → C ⚠ Not secure | localhost:44390/StudentElection.aspx

Candidate [C ▾]

House
○ A
○ B
○ C
⦿ D

Class [13]

Email [qwerty@q.com]

Parent Contact [8781019092]

[Submit]

Enter a class between 6 and 12

Following Fields have errors in them:

- Enter a class between 6 and 12

Q2:

Site1.Master

```aspx
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs"
Inherits="Q2.Site1" CodeFile="Site1.master.cs" %>

<!DOCTYPE html>

<html>
<head runat="server">
    <title></title>
    <asp:ContentPlaceHolder ID="head" runat="server">
    </asp:ContentPlaceHolder>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Image ID="Image1" runat="server" ImageUrl="~/amazon_logo_RGB.jpg"
Height="100px" />
            <br />
            AMAZON <br /> Contact:9876543210
            <br />
            <asp:HyperLink ID="HyperLink1" NavigateUrl="~/WebForm1.aspx"
style="margin-right : 20px" runat="server">Electronics</asp:HyperLink>
```

```html
            <asp:HyperLink ID="HyperLink2" NavigateUrl="~/WebForm2.aspx"
style="margin-right : 20px" runat="server">Baggages</asp:HyperLink>
            <asp:HyperLink ID="HyperLink3" NavigateUrl="~/WebForm3.aspx"
runat="server">Offers</asp:HyperLink>
            <br />
            <asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
            </asp:ContentPlaceHolder>
        </div>
    </form>
</body>
</html>
```

WebForm1.aspx.cs

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Q2
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                DropDownList1.Items.Add(new ListItem("Mobiles"));
                DropDownList1.Items.Add(new ListItem("Laptops"));
                DropDownList1.Items.Add(new ListItem("Printers"));
            }
        }

        protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
        {
            string s = DropDownList1.SelectedItem.ToString();
            DropDownList2.Items.Clear();
            switch (s)
            {
                case "Mobiles":
                    DropDownList2.Items.Add(new ListItem("Samsung"));
                    DropDownList2.Items.Add(new ListItem("Xiaomi"));
                    DropDownList2.Items.Add(new ListItem("Apple"));
                    break;
                case "Laptops":
                    DropDownList2.Items.Add(new ListItem("Lenovo"));
                    DropDownList2.Items.Add(new ListItem("Dell"));
                    DropDownList2.Items.Add(new ListItem("HP"));
                    break;
                case "Printers":
                    DropDownList2.Items.Add(new ListItem("HP"));
                    DropDownList2.Items.Add(new ListItem("Cannon"));
                    DropDownList2.Items.Add(new ListItem("Epson"));
                    break;
            }
        }
    }
}
```

WebForm1.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs" Inherits="Q2.WebForm1" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
    <asp:Label ID="Label1" runat="server" Text="Categories"></asp:Label>
    <asp:DropDownList ID="DropDownList1"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="true"
runat="server"></asp:DropDownList>
    <asp:Label ID="Label2" runat="server" Text="Vendor"></asp:Label>
    <asp:DropDownList ID="DropDownList2" runat="server"></asp:DropDownList>
</asp:Content>
```

WebForm12.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true"
CodeBehind="WebForm2.aspx.cs" Inherits="Q2.WebForm2" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
    <br />
    <asp:Image ID="Image1" runat="server" Height="200px" ImageUrl="~/laptopbag.jpeg"
/><br />
    <asp:Image ID="Image2" runat="server" ImageUrl="~/lpbag2.jpg" Height="200px" /><br
/>
    <asp:Image ID="Image3" runat="server" Height="200px" ImageUrl="~/vip-trolley-bags-
500x500.jpg" /><br />
</asp:Content>
```
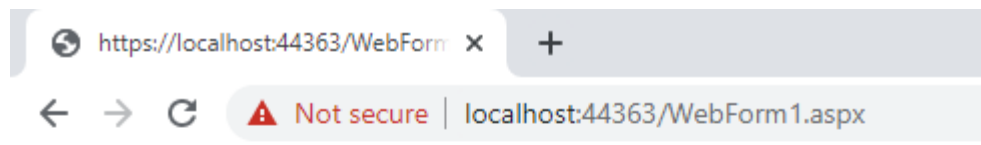
WebForm3.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true"
CodeBehind="WebForm3.aspx.cs" Inherits="Q2.WebForm3" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
    <br />
    <asp:Image ID="Image1" ImageUrl="~/psadt-9.jpg"  runat="server" /><br />
    <asp:Image ID="Image2" ImageUrl="~/1447064.jpg"  runat="server" />
</asp:Content>
```
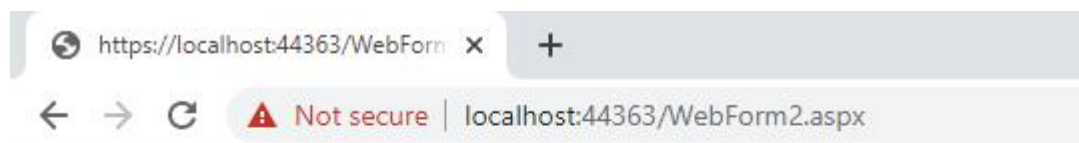
amazon

AMAZON
Contact:9876543210
Electronics   Baggages   Offers
Categories [Mobiles ∨] Vendor [∨]

amazon

AMAZON
Contact:9876543210
Electronics   Baggages   Offers

Q3:

Default.aspx.cs

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if(!this.IsPostBack)
        {
            DropDownList1.Items.Add("Summer");
            DropDownList1.Items.Add("Monsoon");
        }
    }

    protected void Page_PreInit(object sender,EventArgs e)
    {
        if(Session["theme"]!=null)
        {
            this.Theme = (string)Session["theme"];
        }
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        string theme = DropDownList1.SelectedValue;
        Session["theme"] = theme;
        Server.Transfer(Request.FilePath);
    }
}
```

Default.aspx

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" Theme="Summer" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 391px">
            <asp:DropDownList ID="DropDownList1" runat="server">
            </asp:DropDownList>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Change Theme" />
            <br />
            <br />
            <asp:Button ID="Button2" runat="server" Text="Sample button" />
        </div>
    </form>
```
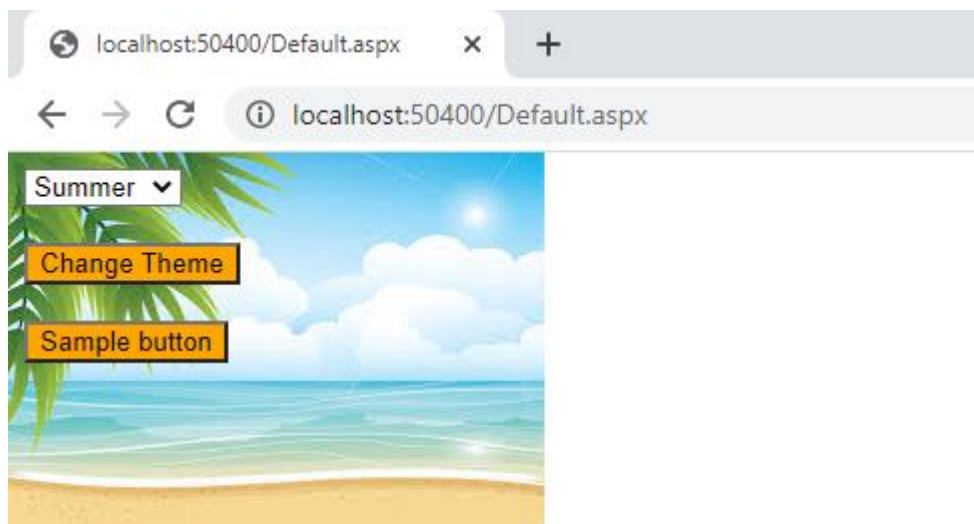
```html
</body>
</html>
```

App_Themes/

Monsoon/Skinfile.skin

```html
<asp:Button runat="server" BackColor="Blue" />
```

```
Monsoon/stylesheet.css
body {
    background-image:url('../../Images/monsoon.jpg');
    background-repeat:no-repeat;
}
Summer/Skinfile.skin
<asp:Button runat="server" BackColor="Orange" />
Summer/stylesheet.css
body {
    background-image: url('../../Images/summer.jpg');
    background-repeat:no-repeat;
}
```
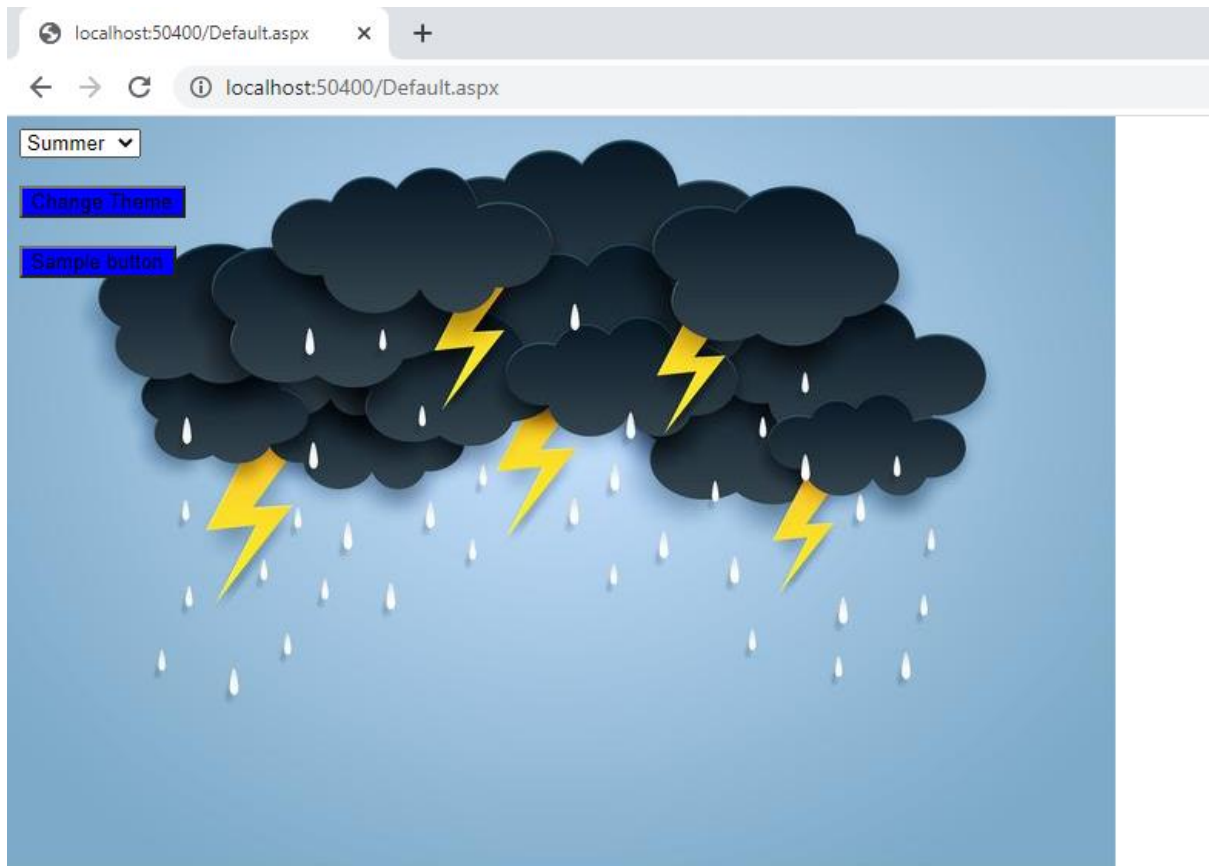
Q4:

MasterPage.Master

```
<%@ Master Language="C#" AutoEventWireup="true" CodeFile="MasterPage.master.cs"
Inherits="MasterPage" %>

<!DOCTYPE html>

<html>
<head runat="server">
    <title></title>
    <asp:ContentPlaceHolder id="head" runat="server">
    </asp:ContentPlaceHolder>
</head>
<body>
    <form id="form1" runat="server">
    <div>
        <asp:Label ID="Label1" runat="server" Text="Welcome to mobile
world"></asp:Label>
        <br />
        <br />
        <asp:Label ID="Label3" runat="server" Text=""></asp:Label>
        <br />
```

```
        <br />
        <asp:ContentPlaceHolder id="ContentPlaceHolder1" runat="server">

        </asp:ContentPlaceHolder>
        <br />
        <br />
        <asp:Label ID="Label2" runat="server" Text="Contact us at
mobile@customer.com"></asp:Label>
    </div>
    </form>
</body>
</html>
```

First.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="First.aspx.cs" Inherits="First" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">

    <asp:DropDownList ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="true">
    </asp:DropDownList>
    <br />
    <br />
    <asp:Button ID="Button1" runat="server" Text="Submit" OnClick="Button1_Click" />

</asp:Content>
```

First.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class First : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if(!this.IsPostBack)
        {
            DropDownList1.Items.Add(new ListItem("Apple Iphone XR","Screen:828x1792
pixels,Memory:3GB RAM,Camera:12MP,Battery:2942 mAh"));
            DropDownList1.Items.Add(new ListItem("Samsung Galaxy S10",
"Screen:700x1792 pixels,Memory:4GB RAM,Camera:10MP,Battery:1942 mAh"));
            DropDownList1.Items.Add(new ListItem("Sony Xperia XZ2", "Screen:828x1792
pixels,Memory:3GB RAM,Camera:13MP,Battery:2742 mAh"));
            DropDownList1.Items.Add(new ListItem("Nokia 7.2", "Screen:828x1792
pixels,Memory:3GB RAM,Camera:12MP,Battery:2942 mAh"));

        }
    }
```

```csharp
    protected void Button1_Click(object sender, EventArgs e)
    {
        Session["info"] = DropDownList1.SelectedValue;
        Response.Redirect("Second.aspx");

    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        Label Label3 = (Label)this.Master.FindControl("Label3");
        Label3.Text = DropDownList1.SelectedItem.Text;
    }
}
```

Second.aspx

```aspx
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="Second.aspx.cs" Inherits="Second" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
    <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
    <br />
    <br />
    <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>
    <br />
    <br />
    <asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>
    <br />
    <br />
    <asp:Label ID="Label4" runat="server" Text="Label"></asp:Label>
    <br />
    <br />
    <asp:Button ID="Button1" runat="server" Text="Go Back" OnClick="Button1_Click" />
</asp:Content>
```
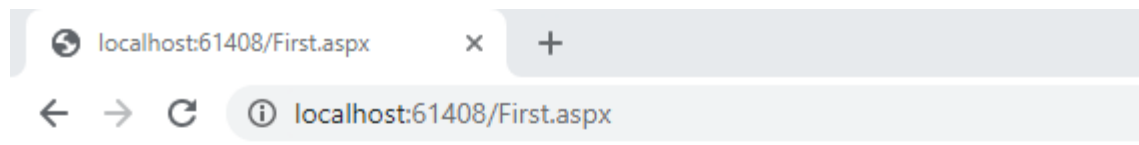
Second.aspx.cs

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class Second : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        string info = (string)Session["info"];
        string[] list = info.Split(',');
        Label1.Text = list[0];
        Label2.Text = list[1];
        Label3.Text = list[2];
        Label4.Text = list[3];
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        Response.Redirect("First.aspx");
    }
}
```
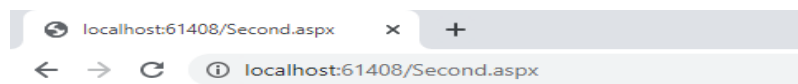
Welcome to mobile world

Apple Iphone XR

Apple Iphone XR ▾

Submit

Contact us at mobile@customer.com

Welcome to mobile world

Screen:700x1792 pixels

Memory:4GB RAM

Camera:10MP

Battery:1942 mAh

Go Back

Contact us at mobile@customer.com