

AWT Lab

Program No	1
Roll No	
Title of Program	ASP .NET Web Applications
Description	Advertisement Display

Source Code:

DisplayAds.aspx -

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="DisplayAds.aspx.cs"
Inherits="AdvertisementsDisplay.DisplayAds" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:AdRotator ID="adrAdvertisements" runat="server" AdvertisementFile="~/Ads.xml"
Height="200px" Target="_blank" Width="200px" />
        </div>
    </form>
</body>
</html>
```

DisplayAds.aspx.cs -

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace AdvertisementsDisplay
{
    public partial class DisplayAds : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

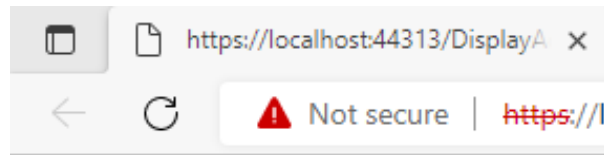
```

```
//adrAdvertisements.KeywordFilter = "k2";  
} } }
```

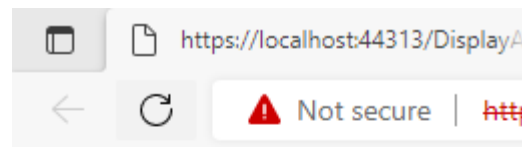
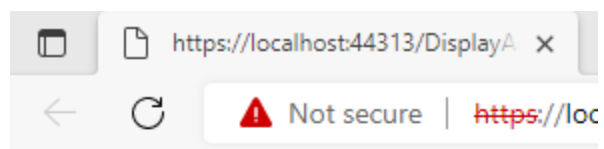
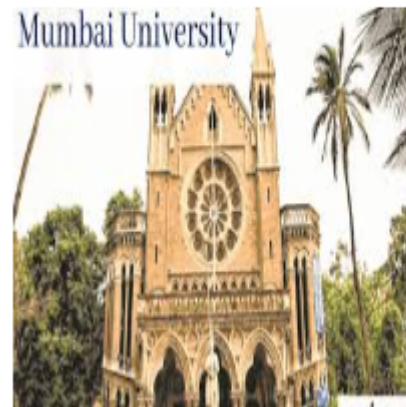
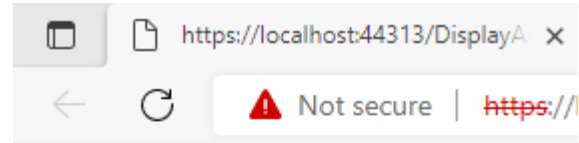
Ads.xml -

```
<?xml version="1.0" encoding="utf-8" ?>  
<Advertisements>  
  <Ad>  
    <ImageUrl>images/Education.jpg</ImageUrl>  
    <NavigateUrl>https://www.met.edu</NavigateUrl>  
    <AlternateText>This is educational institution</AlternateText>  
    <Impressions>10</Impressions>  
    <Keyword>k1</Keyword>  
  </Ad>  
  <Ad>  
    <ImageUrl>images/cloud-computing.jpg</ImageUrl>  
    <NavigateUrl>https://www.google.com</NavigateUrl>  
    <AlternateText>This is Cloud</AlternateText>  
    <Impressions>20</Impressions>  
    <Keyword>k1</Keyword>  
  </Ad>  
  <Ad>  
    <ImageUrl>images/mu.jpg</ImageUrl>  
    <NavigateUrl>https://mu.ac.in</NavigateUrl>  
    <AlternateText>This is Mumbai university</AlternateText>  
    <Impressions>30</Impressions>  
    <Keyword>k2</Keyword>  
  </Ad>  
  <Ad>  
    <ImageUrl>images/amazon.jpg</ImageUrl>  
    <NavigateUrl>https://www.amazon.in</NavigateUrl>  
    <AlternateText>This is Amazon.in</AlternateText>  
    <Impressions>40</Impressions>  
    <Keyword>k2</Keyword>  
  </Ad>  
</Advertisements>
```

Output -



amazon.in



Bhujbal Knowledge City

AWT Lab

MainPage.aspx -

<!DOCTYPE html>

MainPage.aspx -

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

```
using System.Web.UI;
using System.Web.UI.WebControls;
```

```
namespace SessionDemo
{
    public partial class MainPage : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void btnsubmit_Click(object sender, EventArgs e)
        {
            //create a session
            Session["un"] = txtname.Text;
            //redirect to welcome page
            Response.Redirect("~/Welcome.aspx");
        }
    }
}
```

Welcome.aspx -

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Welcome.aspx.cs"
Inherits="SessionDemo.Welcome" %>
```

```
<!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="lblwelcome" runat="server" Font-Size="X-Large"></asp:Label>
        </div>
    </form>
</body>
</html>
```

Welcome.aspx.cs -

```
using System;
using System.Collections.Generic;
```

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

namespace SessionDemo
{
    public partial class Welcome : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            lblwelcome.Text = "Welcome " + Session["un"].ToString();
        }
    }
}
```

VisitCounter.aspx -

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="VisitCounter.aspx.cs"
Inherits="SessionDemo.VisitCounter" %>
```

```
<!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="lblvisit" runat="server" Font-Size="X-Large"></asp:Label>
            <br />
            <br />
            <asp:Button ID="btnincrement" runat="server" Font-Size="X-Large"
OnClick="btnincrement_Click" Text="Increment" />
        </div>
    </form>
</body>
</html>
```

VisitCounter.aspx.cs -

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

using System.Web.UI;
using System.Web.UI.WebControls;

```
namespace SessionDemo
{
    public partial class VisitCounter : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void btnincrement_Click(object sender, EventArgs e)
        {
            if(Session["cntr"]==null)
            {
                lblvisit.Text = "This is your First Visit.";
                int cnt = 1;
                Session["cntr"] = cnt.ToString();
            }
            else
            {
                int cnt = int.Parse(Session["cntr"].ToString());
                cnt++;
                lblvisit.Text = "This is visit no: " + cnt;
                Session["cntr"] = cnt.ToString();
            }
        }
    }
}
```

Output -

The screenshot shows a web browser window with the address bar displaying `https://localhost:44371/MainPage.aspx`. The page content includes a text input field labeled "Enter Name :" containing the text "nidhi", and a "Submit" button. Below the form, there is a "Request Details" section with the following information:

Session Id:	wxkhshodfr1n1laqkycaqk3n	Request Type:	GET
Time of Request:	14-07-2022 02:41:25	Status Code:	200
Request Encoding:	Unicode (UTF-8)	Response Encoding:	Unicode (UTF-8)

Below the request details is a "Trace Information" section with the following data:

Category	Message	From First(s)	From Last(s)
aspx.page	Begin PreInit		
aspx.page	End PreInit	0.000033	0.000033

https://localhost:44371/Welcome.aspx

Welcome nidhi

Request Details

Session Id:	frwilgdq2qsvld3hgxyuapf	Request Type:	GET
Time of Request:	14-07-2022 02:43:17	Status Code:	200
Request Encoding:	Unicode (UTF-8)	Response Encoding:	Unicode (UTF-8)

Trace Information

Category	Message	From First(s)	From Last(s)
aspx.page	Begin PreInit	0.000058	0.000058
aspx.page	End PreInit	0.000058	0.000058

https://localhost:44371/VisitCounter.aspx

This is your First Visit.

Request Details

Session Id:	1jb1rzoma5svrl3zavw0ylqc	Request Type:	POST
Time of Request:	12-07-2022 21:19:57	Status Code:	200
Request Encoding:	Unicode (UTF-8)	Response Encoding:	Unicode (UTF-8)

Trace Information

Category	Message	From First(s)	From Last(s)
aspx.page	Begin PreInit	0.000040	0.000040
aspx.page	End PreInit	0.000040	0.000040

https://localhost:44371/VisitCounter.aspx

This is visit no: 8

Request Details

Session Id:	1jb1rzoma5svrl3zavw0ylqc	Request Type:	POST
Time of Request:	12-07-2022 21:20:20	Status Code:	200
Request Encoding:	Unicode (UTF-8)	Response Encoding:	Unicode (UTF-8)

Trace Information

Category	Message	From First(s)	From Last(s)
aspx.page	Begin PreInit	0.000034	0.000034
aspx.page	End PreInit	0.000034	0.000034

{

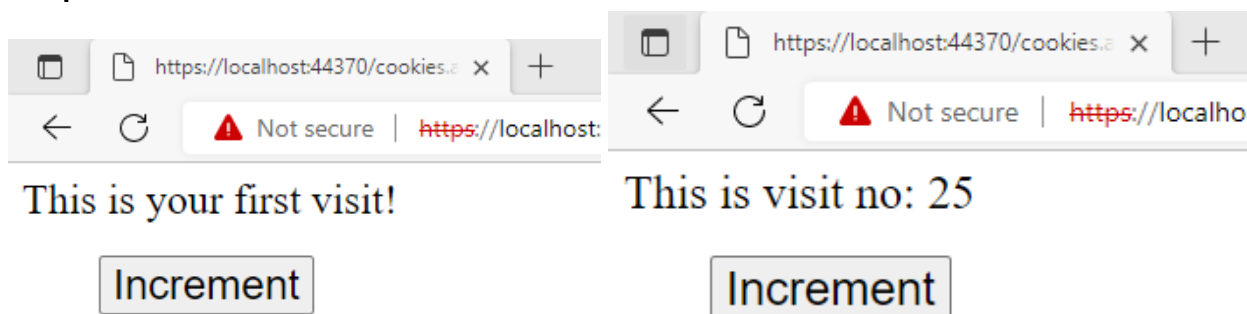
public partial class cookies : System.Web.UI.Page

```
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void btnsubmit_Click(object sender, EventArgs e)
    {
        HttpCookie c1 = new HttpCookie("c1");
        //Response.Cookies.Add("c1");
        HttpCookieCollection cookies;
        cookies = Request.Cookies;
        int cnt = cookies.Count;
        if(cookies.Count == 0)
        {
            lblvisit.Text = "This is your first visit!";
            cnt = 1;
            Response.Cookies.Add(c1);
        }
        else if (cookies.Count > 0)
        {
            //cookies = Request.Cookies;
            //if(cookies.Count > 0)
            //{
            cnt++;
            lblvisit.Text = "This is visit no: " + cnt;
            //Response.Cookies.Add(c1);
            //}
        }
        cookies = Request.Cookies;
    } } }
```

Output -



SelectBook.aspx.cs -

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

namespace BookCart
{
    public partial class SelectBook : System.Web.UI.Page
    {
        Dictionary<String, String> books;
        protected void Page_Init(object sender, EventArgs e)
        {
            //instantiate the dictionary
            books = new Dictionary<string, string>();
            //add books
            books.Add("C++", "Bjarne Stroustrup");
            books.Add("Java", "Ivor Horton");
            books.Add("C", "Dennis Ritchie");
            books.Add("Machine Learning", "Tom Mitchell");
            books.Add("Angels and Daemons", "Dan Brown");
            books.Add("The other side of midnight", "Sidney Sheldon");
            lstbooks.Items.Clear();
            foreach(String s in books.Keys)
            {
                lstbooks.Items.Add(s);
            }
        }
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void btnadd_Click(object sender, EventArgs e)
        {
            if(lstbooks.SelectedIndex >= 0)
            {
                //get the selected book
                String bn = lstbooks.SelectedValue;
                String bdesc = books[bn];
                //create a cookie
                HttpCookie c1 = new HttpCookie(bn, bdesc);
            }
        }
    }
}
```

```
//add cookie to response
Response.Cookies.Add(c1);
}
else
{
    lblmsg.Text = "Please select a book";
}
}
```

ViewDetails.aspx -

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ViewDetails.aspx.cs"
Inherits="BookCart.ViewDetails" %>
```

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

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

```
<div>
```

```
    You have selected :
```

```
<br />
```

```
<asp:ListBox ID="ListBox1" runat="server" Font-Size="Large" Height="210px"
Width="453px"></asp:ListBox>
```

```
<br />
```

```
<br />
```

```
<asp:LinkButton ID="LinkButton1" runat="server" Font-Size="Large"
PostBackUrl="~/SelectBook.aspx">Select another book</asp:LinkButton>
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

ViewDetails.aspx.cs -

```
using System;
```

```
using System.Collections.Generic;
```

```
using System.Linq;
```

```
using System.Web;
```

```
using System.Web.UI;
```

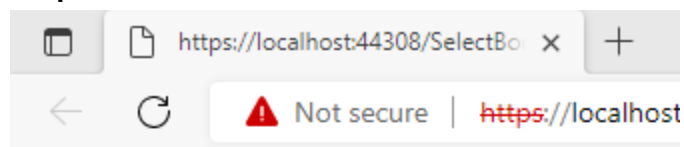
```
using System.Web.UI.WebControls;
```

```
namespace BookCart
```

```
{
public partial class ViewDetails : System.Web.UI.Page
{
    HttpCookieCollection cookies;
    protected void Page_Load(object sender, EventArgs e)
    {
        //fetch all cookies
        cookies = Request.Cookies;

        //display cookies in listbox
        if(cookies.Count > 0)
        {
            for(int i=0; i<cookies.Count; i++)
            {
                ListBox1.Items.Add("Book: " + cookies[i].Name + "Desc: " + cookies[i].Value);
            }
        }
        else
        {
            ListBox1.Items.Add("No Books Selected");
        }
    }
} }
```

Output -

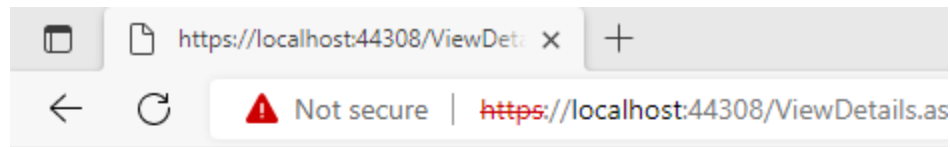


Select a book :

- ☐ C++
- ☒ Java
- ☐ C
- ☐ Machine Learning
- ☐ Angels and Daemons
- ☐ The other side of midnight

Add Book

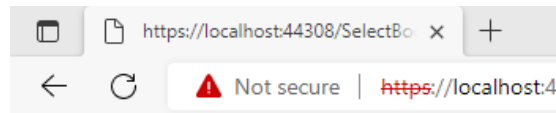
View Details



You have selected :

Book: JavaDesc: Ivor Horton

[Select another book](#)

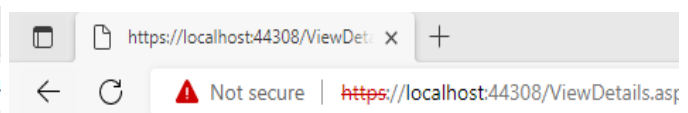


Select a book :

- ☐ C++
- ☐ Java
- ☐ C
- ☐ Machine Learning
- ☒ Angels and Daemons
- ☐ The other side of midnight

Add Book

View Details



You have selected :

Book: JavaDesc: Ivor Horton

Book: Angels and DaemonsDesc: Dan Brown

[Select another book](#)


```
<asp:Label ID="lblhobbies" runat="server" Font-Size="X-Large" Text="Reading,  
Sleeping."></asp:Label>
```



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

</asp:ScriptManager>

<fieldset>

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

<ContentTemplate>

 Quote of the Day:


```
<asp:Label ID="lblQ" runat="server" Font-Size="X-Large"
ForeColor="#6600FF"></asp:Label>
```


</ContentTemplate>

<Triggers>

```
<asp:AsyncPostBackTrigger ControlID="Timer1" EventName="Tick" />
```

```
<asp:AsyncPostBackTrigger ControlID="Timer2" EventName="Tick" />
```

</Triggers>

</asp:UpdatePanel>

</fieldset>


```
<asp:Timer ID="Timer1" runat="server" Interval="15000" OnTick="Timer1_Tick">
```

</asp:Timer>


```
<asp:UpdatePanel ID="UpdatePanel2" runat="server">
```

<ContentTemplate>

```
<asp:Label ID="lblclock" runat="server" Font-Size="X-Large"
ForeColor="#CC0000"></asp:Label>
```

</ContentTemplate>

</asp:UpdatePanel>

```
<asp:Timer ID="Timer2" runat="server" Interval="1000" OnTick="Timer2_Tick">
```

</asp:Timer>

</form>

</body>

</html>

Profile.aspx.cs -

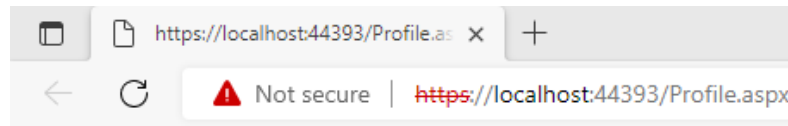
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace MyProfileWithAjax
{
    public partial class Profile : System.Web.UI.Page
    {
        List<String> quotes;
        Random rnd;
        protected void Page_Load(object sender, EventArgs e)
        {
            quotes = new List<string>();
            rnd = new Random();
            quotes.Add("Time is Money");
            quotes.Add("Nothing is Impossible");
            quotes.Add("Wake up to Reality");
            quotes.Add("You Only Live Once");
            lblQ.Text = quotes[rnd.Next(quotes.Count)];
        }

        protected void Timer1_Tick(object sender, EventArgs e)
        {
            lblQ.Text = quotes[rnd.Next(quotes.Count)];
        }

        protected void Timer2_Tick(object sender, EventArgs e)
        {
            lblclock.Text = DateTime.Now.ToLongTimeString();
        }
    }
}
```

Output -



Nidhi Sawant

Student at MET.

Pursuing Masters in Computer Applications.

Reading, Sleeping.

Quote of the Day:

Wake up to Reality

13:15:08

AWT Lab

Program No	6
Roll No	
Title of Program	ASP .NET Web Applications
Description	Birthday Calendar

Source Code:

BirthdayCal.aspx -

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="BirthdayCal.aspx.cs"
Inherits="BirthdayCalender.BirthdayCal" %>

<!DOCTYPE html>

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

<head runat="server">

    <title></title>

</head>

<body>

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

        <div>

            <asp:Calendar ID="cal1" runat="server" BackColor="White" BorderColor="White"
BorderStyle="Dotted" BorderWidth="1px" Caption="Birthday Calender" Font-Names="Verdana"
Font-Size="Large" ForeColor="Black" Height="280px" NextPrevFormat="ShortMonth"
OnDayRender="cal1_DayRender" Width="446px">

                <DayHeaderStyle Font-Bold="True" Font-Size="8pt" />

                <NextPrevStyle Font-Bold="True" Font-Size="8pt" ForeColor="#333333"
VerticalAlign="Bottom" />

                <OtherMonthDayStyle ForeColor="#999999" />

                <SelectedDayStyle BackColor="#333399" ForeColor="White" />

                <TitleStyle BackColor="White" BorderColor="Black" BorderWidth="4px"
Font-Bold="True" Font-Size="12pt" ForeColor="#333399" />

                <TodayDayStyle BackColor="#CCCCCC" />
```

```
</asp:Calendar>
```

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

BirthdayCal.aspx.cs -

```
using System;
```

```
using System.Collections.Generic;
```

```
using System.Linq;
```

```
using System.Web;
```

```
using System.Web.UI;
```

```
using System.Web.UI.WebControls;
```

```
using System.Drawing;
```

```
namespace BirthdayCalender
```

```
{
```

```
    public partial class BirthdayCal : System.Web.UI.Page
```

```
    {
```

```
        protected void Page_Load(object sender, EventArgs e)
```

```
        {    }
```

```
        protected void cal1_DayRender(object sender, DayRenderEventArgs e)
```

```
        {
```

```
            //Fetch Day
```

```
            DateTime temp = e.Day.Date;
```

```
            if(temp.Day==4 && temp.Month==7)
```

```
            {
```

```
                Label l1 = new Label();
```

```
                l1.Text = "<br>It's Om's Birthday<br>";
```

```
                l1.ForeColor = Color.Blue;
```

```
                // l1.BackColor = Color.Aqua;
```

```
e.Cell.Controls.Add(l1);

System.Web.UI.WebControls.Image i1 = new System.Web.UI.WebControls.Image();

i1.ImageUrl = @"~\pics\om.jpg";

i1.Width = 70;

i1.Height = 70;

e.Cell.Controls.Add(i1);

}

if (temp.Day == 25 && temp.Month == 9)

{

    Label l2 = new Label();

    l2.Text = "<br>It's Sakshi's Birthday<br>";

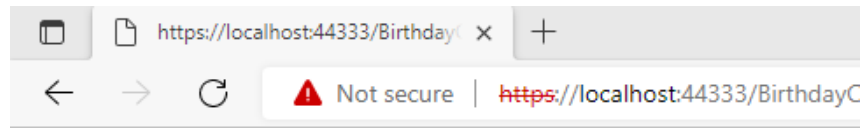
    l2.ForeColor = Color.Blue;

    //l2.BackColor = Color.Aqua;


    e.Cell.Controls.Add(l2);

} } }
```

Output -



Birthday Calender

June 2022						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
<u>30</u>	<u>31</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>
<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>
<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u>4</u>						
It's Om's Birthday						
	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>

Birthday Calender

July 2022						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u>4</u>						
It's Om's Birthday						
	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>

THE MET LEAGUE OF COLLEGES
MET
AS SHARP AS YOU CAN GET

THE MET LEAGUE OF COLLEGES
MET
AS SHARP AS YOU CAN GET

THE MET LEAGUE OF COLLEGES
MET
AS SHARP AS YOU CAN GET

THE MET LEAGUE OF COLLEGES
MET
AS SHARP AS YOU CAN GET

THE MET LEAGUE OF COLLEGES
MET
AS SHARP AS YOU CAN GET


```

<Triggers>
  <asp:AsyncPostBackTrigger ControlID ="btnwithajax" EventName="Click" />
</Triggers>
</asp:UpdatePanel>
<asp:Button ID="btnwithajax" runat="server" Font-Size="X-Large"
OnClick="btnwithajax_Click" Text="With Ajax" />
</div>
</form>
</body>
</html>

```

DisplayDate.aspx.cs -

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace AjaxDemo
{
    public partial class DisplayDate : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            lbldate.Text = DateTime.Now.ToString();
        }

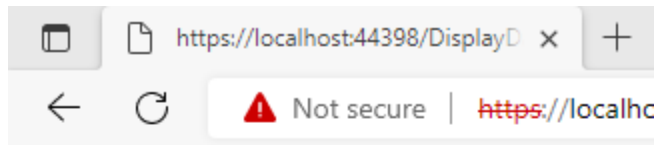
        protected void btnwithoutajax_Click(object sender, EventArgs e)
        {

        }

        protected void btnwithajax_Click(object sender, EventArgs e)
        {
            lblajaxdate.Text = DateTime.Now.ToString();
        } } }

```

Output -



Without Ajax

10-07-2022 16:06:14

With Ajax

AWT Lab

Program No	8
Roll No	
Title of Program	ASP.NET Web Applications
Description	Simple web service calculator

Source Code:

CalculatorProducer\Calculator.asmx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Services;

namespace CalculatorProducer
{
    /// <summary>
    /// Summary description for Calculator
    /// </summary>
    [WebService(Namespace = "http://met.edu/")]
    [WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1_1)]
    [System.ComponentModel.ToolboxItem(false)]
    // To allow this Web Service to be called from script, using ASP.NET AJAX, uncomment
    the following line.
```

```
// [System.Web.Script.Services.ScriptService]
public class Calculator : System.Web.Services.WebService
{
    public void Method1()
    {

    }

    [WebMethod]
    public string HelloWorld()
    {
        return "Hello World";
    }

    [WebMethod]
    public int Add(int a, int b)
    {
        return a + b;
    }

    [WebMethod]
    public int Sub(int a, int b)
    {
        return a - b;
    }

    [WebMethod]
    public int Multiply(int a, int b)
    {
        return a * b;
    }

    [WebMethod]
    public double Divide(double a, double b)
    {
        return a / b;
    }
}
```

CalculatorConsumer\Main.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Main.aspx.cs"
Inherits="CalculatorConsumer.Main" %>
```

```
<!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 />
```

```
<br />
```

```
<asp:Label ID="lblNum1" runat="server" Text="Enter 1st number: "></asp:Label>
```

```
&nbsp;
```

[illegible]

CalculatorConsumer\Main.aspx.cs

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

namespace CalculatorConsumer
{
    public partial class Main : System.Web.UI.Page
    {
        localhost.Calculator c1;
        protected void Page_Load(object sender, EventArgs e)
        {
            c1 = new localhost.Calculator();
            Label1.Text = c1.HelloWorld();

        }

        protected void btnAdd_Click(object sender, EventArgs e)
        {
            c1 = new localhost.Calculator();
            int no1 = int.Parse(txt1.Text);
            int no2 = int.Parse(txt2.Text);

            lblResult.Text = c1.Add(no1, no2).ToString();
        }
    }
}
```

```
protected void btnSub_Click(object sender, EventArgs e)
{
    c1 = new localhost.Calculator();
    int no1 = int.Parse(txt1.Text);
    int no2 = int.Parse(txt2.Text);

    lblResult.Text = c1.Sub(no1, no2).ToString();
}

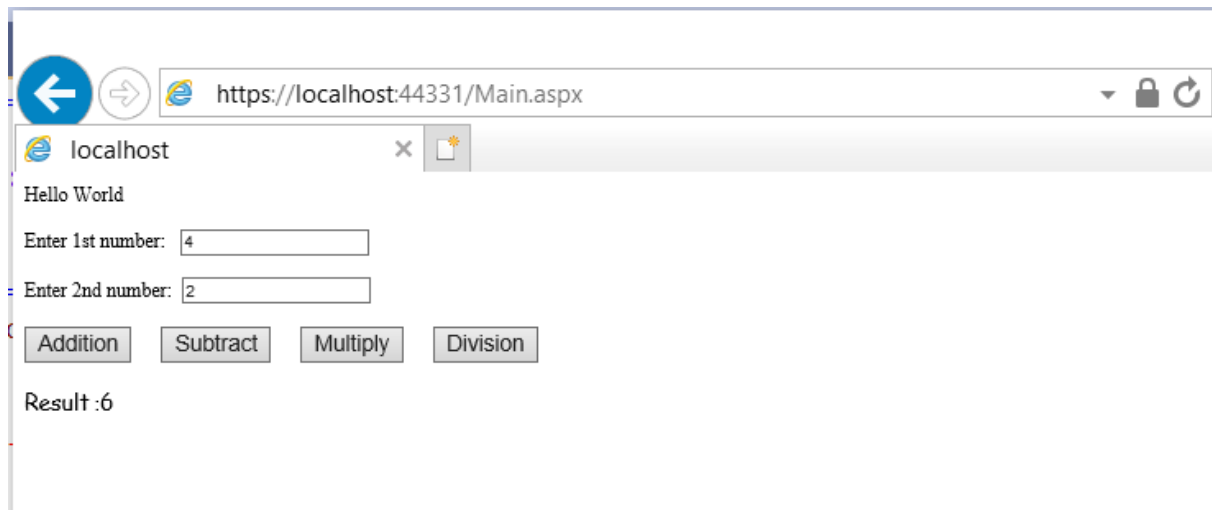
protected void btnMul_Click(object sender, EventArgs e)
{
    c1 = new localhost.Calculator();
    int no1 = int.Parse(txt1.Text);
    int no2 = int.Parse(txt2.Text);

    lblResult.Text = c1.Multiply(no1, no2).ToString();
}

protected void btnDiv_Click(object sender, EventArgs e)
{
    c1 = new localhost.Calculator();
    int no1 = int.Parse(txt1.Text);
    int no2 = int.Parse(txt2.Text);

    lblResult.Text = c1.Divide(no1, no2).ToString();
}
}
```

Output:



← → https://localhost:44331/Main.aspx

localhost ×

Hello World

Enter 1st number:

Enter 2nd number:

Result :2

← → https://localhost:44331/Main.aspx

localhost ×

Hello World

Enter 1st number:

Enter 2nd number:

Result :8

← → https://localhost:44331/Main.aspx

localhost ×

Hello World

Enter 1st number:

Enter 2nd number:

Result :2

AWT Lab

Program No	9
Roll No	
Title of Program	ASP.NET Web Applications
Description	Web Service with Database Product Producer Consumer

Source Code:

ProductProducer\ProductProducer.asmx

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Services;
using System.Data;
using System.Data.SqlClient;

namespace ProductProducer
{
```

```

/// <summary>
/// Summary description for ProductProducer
/// </summary>
[WebService(Namespace = "http://tempuri.org/")]
[WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1_1)]
[System.ComponentModel.ToolboxItem(false)]
// To allow this Web Service to be called from script, using ASP.NET AJAX, uncomment
the following line.
// [System.Web.Script.Services.ScriptService]
public class ProductProducer : System.Web.Services.WebService
{

    //Disconnected Approach
    SqlConnection myConn;
    SqlCommand myCmd;
    SqlDataAdapter myAdpt;
    DataSet myDs;

    [WebMethod]

    public DataSet GetProducts()
    {
        myConn = new SqlConnection();
        myConn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial
Catalog=ProductDB;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSu
bnetFailover=False";
        myCmd = new SqlCommand("select * from dbo.Products", myConn);
        myAdpt = new SqlDataAdapter(myCmd);
        myDs = new DataSet();
        myAdpt.Fill(myDs);
        return myDs;
    }

    [WebMethod]
    public DataSet GetProductByName(String name)
    {
        myConn = new SqlConnection();
        myConn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial
Catalog=ProductDB;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSu
bnetFailover=False";
        myCmd = new SqlCommand("select * from dbo.Products where pname = @pn",
myConn);
        myCmd.Parameters.AddWithValue("@pn", name);
        myAdpt = new SqlDataAdapter(myCmd);
        myDs = new DataSet();
        myAdpt.Fill(myDs);
        return myDs;
    }
}
}
}

ProductConsumer\Products.aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Products.aspx.cs"
Inherits="ProductConsumer.Products" %>

```



```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="btn_full_data" runat="server" OnClick="btn_full_data_Click"
Text="Full Data" Width="550px" />
            <br />
            <asp:GridView ID="grd_View" runat="server" CellPadding="4"
ForeColor="#333333" GridLines="None">
                <AlternatingRowStyle BackColor="White" />
                <EditRowStyle BackColor="#2461BF" />
                <FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />
                <HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />
                <PagerStyle BackColor="#2461BF" ForeColor="White"
HorizontalAlign="Center" />
                <RowStyle BackColor="#EFF3FB" />
                <SelectedRowStyle BackColor="#D1DDF1" Font-Bold="True"
ForeColor="#333333" />
                <SortedAscendingCellStyle BackColor="#F5F7FB" />
                <SortedAscendingHeaderStyle BackColor="#6D95E1" />
                <SortedDescendingCellStyle BackColor="#E9EBEF" />
                <SortedDescendingHeaderStyle BackColor="#4870BE" />
            </asp:GridView>
            <br />
            <asp:TextBox ID="txtsearch" runat="server"></asp:TextBox>
            <asp:Button ID="btn_search" runat="server" OnClick="btn_search_Click"
Text="Button" />
            <br />
            <asp:GridView ID="grd_View_Search_by_pname" runat="server" CellPadding="4"
ForeColor="#333333" GridLines="None">
                <AlternatingRowStyle BackColor="White" />
                <EditRowStyle BackColor="#2461BF" />
                <FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />
                <HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />
                <PagerStyle BackColor="#2461BF" ForeColor="White"
HorizontalAlign="Center" />
                <RowStyle BackColor="#EFF3FB" />
                <SelectedRowStyle BackColor="#D1DDF1" Font-Bold="True"
ForeColor="#333333" />
                <SortedAscendingCellStyle BackColor="#F5F7FB" />
                <SortedAscendingHeaderStyle BackColor="#6D95E1" />
                <SortedDescendingCellStyle BackColor="#E9EBEF" />
                <SortedDescendingHeaderStyle BackColor="#4870BE" />
            </asp:GridView>
        </div>
    </form>
</body>
</html>
```

ProductConsumer\Products.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
```

```
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

using System.Data;

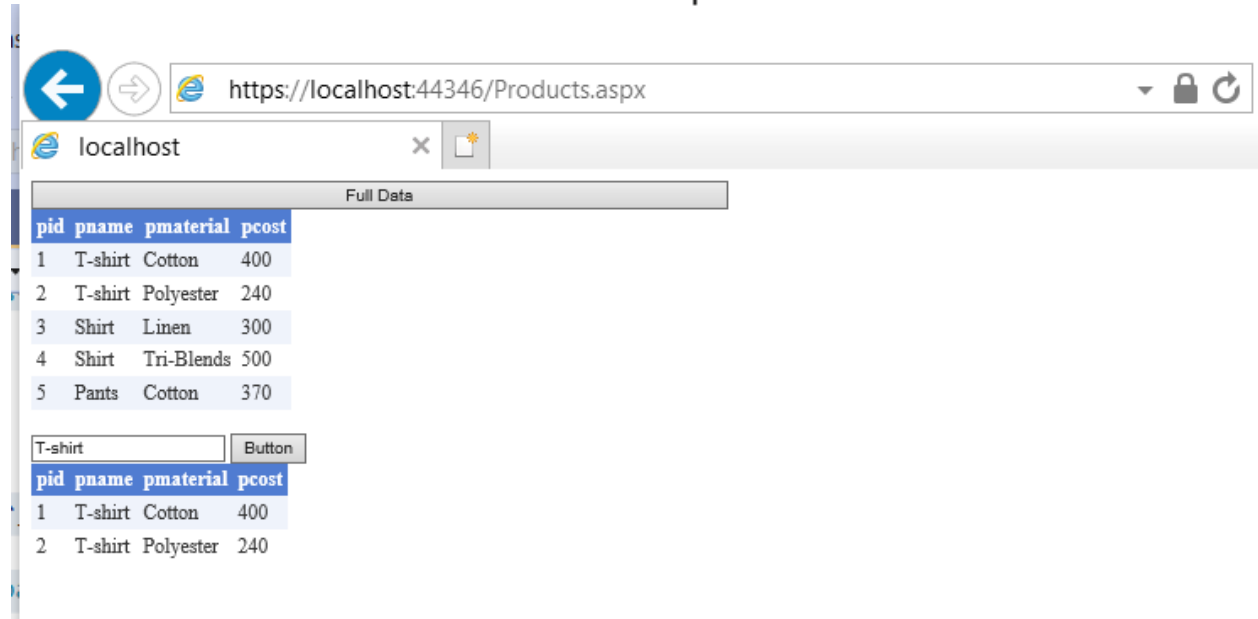
namespace ProductConsumer
{
    public partial class Products : System.Web.UI.Page
    {
        ServiceReference1.ProductProducerSoapClient p1;
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void btn_full_data_Click(object sender, EventArgs e)
        {
            p1 = new ServiceReference1.ProductProducerSoapClient();
            DataSet data = p1.GetProducts();
            grd_View.DataSource = data;
            grd_View.DataBind();
        }

        protected void btn_search_Click(object sender, EventArgs e)
        {
            String pname = txtsearch.Text;
            p1 = new ServiceReference1.ProductProducerSoapClient();
            DataSet data = p1.GetProductByName(pname);
            grd_View_Search_by_pname.DataSource = data;
            grd_View_Search_by_pname.DataBind();
        }
    }
}
```

Output:



Full Data

pid	pname	pmaterial	pcost
1	T-shirt	Cotton	400
2	T-shirt	Polyester	240
3	Shirt	Linen	300
4	Shirt	Tri-Blends	500
5	Pants	Cotton	370

T-shirt Button

pid	pname	pmaterial	pcost
1	T-shirt	Cotton	400
2	T-shirt	Polyester	240

Roll No	
Title of Program	Calculator using WCF Service
Description	WCF

Source Code:

Client.aspx.cs

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

namespace WcfService1
{
    public partial class Client : System.Web.UI.Page
    {
        ServiceReference1.Service1Client c1 = new ServiceReference1.Service1Client();
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void BtnAdd_Click(object sender, EventArgs e)
        {
            int num1 = int.Parse(txtNum1.Text);
            int num2 = int.Parse(txtNum2.Text);
            lblResult.Text = c1.add(num1, num2).ToString();
        }

        protected void btnSub_Click(object sender, EventArgs e)
        {
            int num1 = int.Parse(txtNum1.Text);
            int num2 = int.Parse(txtNum2.Text);
            lblResult.Text = c1.sub(num1, num2).ToString();
        }

        protected void btnMul_Click(object sender, EventArgs e)
        {
            int num1 = int.Parse(txtNum1.Text);
            int num2 = int.Parse(txtNum2.Text);
            lblResult.Text = c1.mul(num1, num2).ToString();
        }

        protected void btnDiv_Click(object sender, EventArgs e)
        {
            int num1 = int.Parse(txtNum1.Text);
            int num2 = int.Parse(txtNum2.Text);
            lblResult.Text = c1.div(num1, num2).ToString();
        }

        protected void btnDisp_Click(object sender, EventArgs e)
        {

            lblResult.Text = c1.getCustomer().Id.ToString()+" " + c1.getCustomer().Uname

;
        }
    }
}
```

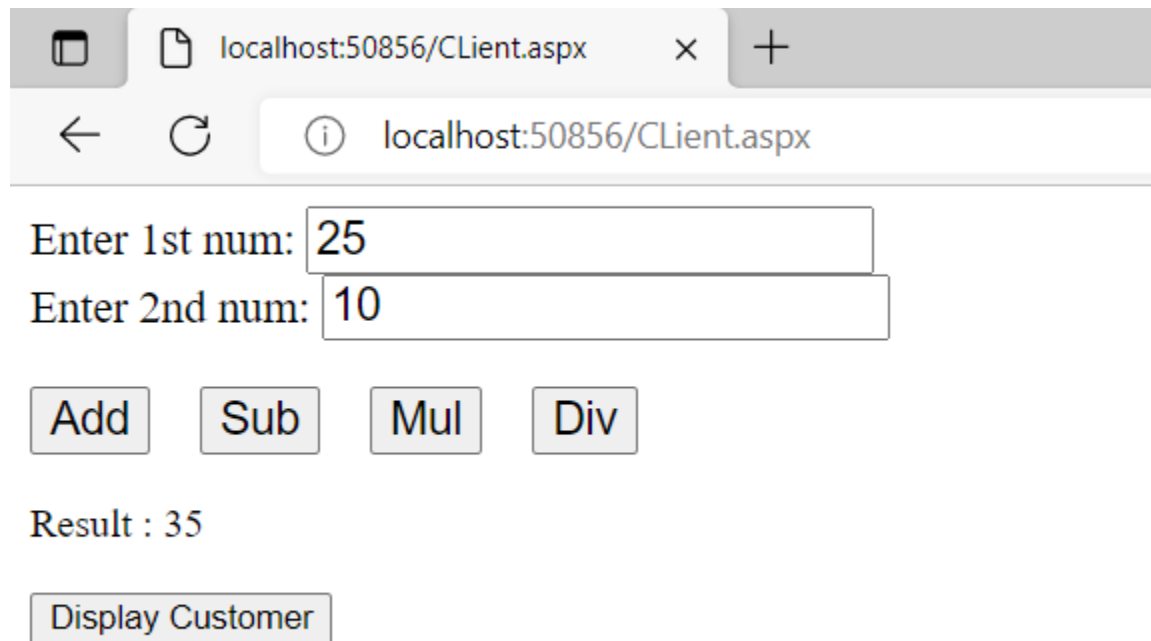
```
    }  
  }  
}
```

IService1.cs

```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Runtime.Serialization;  
using System.ServiceModel;  
using System.ServiceModel.Web;  
using System.Text;  
  
namespace CalWCFService  
{  
    // NOTE: You can use the "Rename" command on the "Refactor" menu to change the  
    interface name "IService1" in both code and config file together.  
    [ServiceContract]  
    public interface IService1  
    {  
  
        [OperationContract]  
        string GetData(int value);  
  
        [OperationContract]  
        int add(int a, int b);  
  
        [OperationContract]  
        int sub(int a, int b);  
  
        [OperationContract]  
        int mul(int a, int b);  
  
        [OperationContract]  
        int div(int a, int b);  
  
        [OperationContract]  
        Customer getCustomer();  
  
        // TODO: Add your service operations here  
    }  
  
    [DataContract]  
    public class Customer  
    {  
        int id;  
        String uname;  
        [DataMember]  
        public int Id  
        {  
            get  
            {  
                return id;  
            }  
            set  
            {  
                id = value;  
            }  
        }  
    }  
}
```

```
}  
[DataMember]  
public String Uname  
{  
    get  
    {  
        return uname;  
    }  
    set  
    {  
        uname = value;  
    }  
}  
}  
}
```

Output :



The screenshot shows a web browser window with the address bar displaying 'localhost:50856/Client.aspx'. The page content includes two input fields for numbers, with the first containing '25' and the second containing '10'. Below these are four buttons labeled 'Add', 'Sub', 'Mul', and 'Div'. The text 'Result : 35' is displayed below the buttons. At the bottom, there is a button labeled 'Display Customer'.

localhost:50856/Client.aspx

localhost:50856/Client.aspx


Enter 1st num: 25

Enter 2nd num: 10

Add Sub Mul Div

Result : 35

Display Customer


 localhost:50856/Client.aspx × +

← ↻ ⓘ localhost:50856/Client.aspx

Enter 1st num:

Enter 2nd num:

Result : 15

 localhost:50856/Client.aspx × +

← ↻ ⓘ localhost:50856/Client.aspx

Enter 1st num:

Enter 2nd num:

Result : 101. Om

Source Code:

Site1.master -

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

<!DOCTYPE html>

<html>

```
<head runat="server">
```

<title></title>

```
<asp:ContentPlaceholder ID="head" runat="server">
```

</asp:ContentPlaceHolder>

</head>

```
<body style="width: 862px">
```

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

```
<asp:Image ID="imgHeader" runat="server" Height="176px"
```

```
ImageUrl="~/images/Hydrangeas.jpg" Width="866px" />
```



```
<asp:Menu ID="Menu1" runat="server" BackColor="#FFFB D6"
```

DynamicHorizontalOffset="2" Font-Bold="True" Font-Names="Meiryo UI" Font-Size="X-Large"

```
ForeColor="#990000" Orientation="Horizontal" StaticSubMenuIndent="10px">
```

```
<DynamicHoverStyle BackColor="#990000" ForeColor="White" />
```

```
<DynamicMenuItemStyle HorizontalPadding="5px" VerticalPadding="2px" />
```

```
<DynamicMenuStyle BackColor="#FFFBD6" />
```

```
<DynamicSelectedStyle BackColor="#FFCC66" />
```

</items>

```
<asp:MenuItem Text="Home" Value="Home"
```

```

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

```

```
<asp:MenuItem Text="Profile" Value="Profile"
```

```
NavigateUrl="Profile.aspx"></asp:MenuItem>
```

```
<asp:MenuItem Text="Friends" Value="Friends"></asp:MenuItem>
```


Bhujbal Knowledge City

MET Institute of Computer Science

```
<asp:MenuItem Text="Birthdays" Value="Birthdays"></asp:MenuItem>
<asp:MenuItem Text="Gallery" Value="Gallery"></asp:MenuItem>
<asp:MenuItem Text="NewsFeed" Value="News Feed"></asp:MenuItem>
<asp:MenuItem Text="About" Value="About"></asp:MenuItem>
</Items>
<StaticHoverStyle BackColor="#990000" ForeColor="White" />
<StaticMenuItemStyle HorizontalPadding="5px" VerticalPadding="2px" />
<StaticSelectedStyle BackColor="#FFCC66" />
</asp:Menu>
</div>
<br />
<div>
    <asp:ContentPlaceHolder ID="MainContent" runat="server">
        </asp:ContentPlaceHolder>
    </div>
<br />
    Copyright@GoSocial.com - 2022-2023
</form>
</body>
</html>
```

Site1.master.cs -

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

```
namespace MasterPagesDemo
{
    public partial class Site1 : System.Web.UI.MasterPage
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }
    }
}
```

Home.aspx -

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true"
CodeBehind="Home.aspx.cs" Inherits="MasterPagesDemo.Home" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent" runat="server">
    <p>
```

</asp:Content>

Profile.aspx -

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true"  
CodeBehind="Profile.aspx.cs" Inherits="MasterPagesDemo.Profile" %>  
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">  
    <title>This is Profile Page</title>  
</asp:Content>  
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent" runat="server">  
    <asp:Label ID="Label1" runat="server" Font-Size="X-Large" Text="Upload Profile  
Picture"></asp:Label>  
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
<asp:FileUpload ID="picupload" runat="server" Font-Size="X-Large" />  
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
    <br />  
    <br />  
    <asp:Button ID="btnupload" runat="server" Font-Size="X-Large" Height="32px"  
style="margin-left: 204px" Text="Upload" Width="101px" OnClick="btnupload_Click" />  
    <br />  
    <br />
```

```
<asp:Image ID="imgprofile" runat="server" Height="200px" Width="300px"
BorderStyle="Ridge" />
<br />
<asp:Label ID="Label2" runat="server" Font-Size="Large" ForeColor="Red"></asp:Label>
</asp:Content>
```

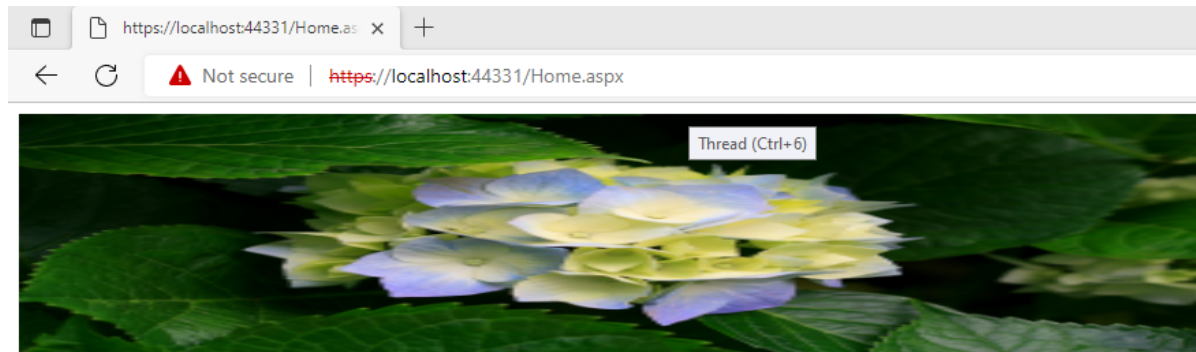
Profile.aspx.cs -

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

namespace MasterPagesDemo
{
    public partial class Profile : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            // Page_Load method implementation
        }
    }
}
```

```
{  
  
}  
  
protected void btnupload_Click(object sender, EventArgs e)  
{  
    //check user has selected the file or not  
    if(picupload.HasFile) //returns true if user has selected the file  
    {  
        if (picupload.PostedFile.ContentType.Equals(@"image/jpeg"))  
        {  
            try  
            {  
  
                picupload.SaveAs(@"D:\AWT\MasterPagesDemo\MasterPagesDemo\Profilepics\" +  
picupload.FileName);  
                Label2.Text = "File uploaded successfully<br>" +  
picupload.PostedFile.ContentType;  
                imgprofile.ImageUrl = @"~\Profilepics\" + picupload.FileName;  
            }  
            catch (Exception ex)  
            {  
                Label2.Text = ex.Message;  
            }  
        }  
        else  
        {  
            Label2.Text = "File must be jpeg";  
        }  
    }  
  
    else  
    {  
        Label2.Text = "You have not selected any file";  
    }  
}  
}
```

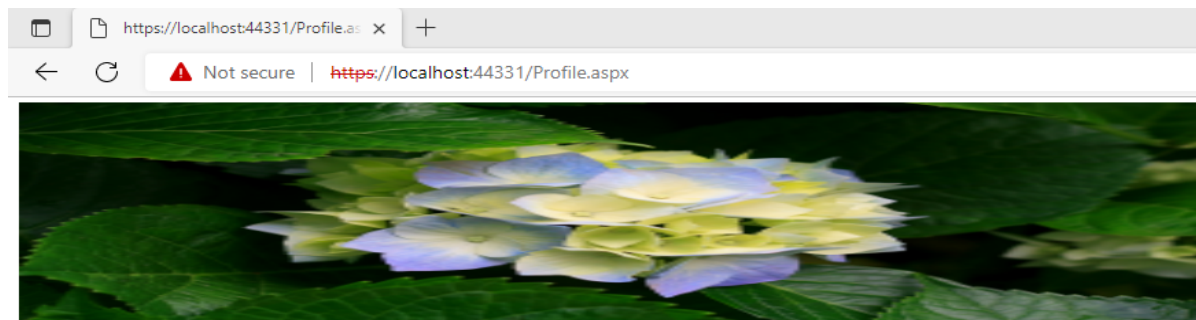
Output -



[Home](#) [Profile](#) [Friends](#) [Birthdays](#) [Gallery](#) [NewsFeed](#) [About](#)

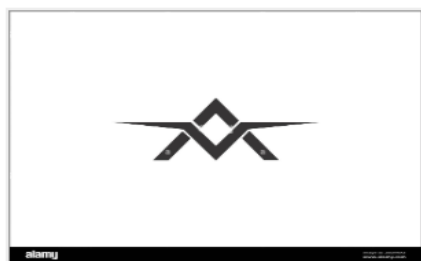
This is Home Page!

Copyright@GoSocial.com - 2022-2023



[Home](#) [Profile](#) [Friends](#) [Birthdays](#) [Gallery](#) [NewsFeed](#) [About](#)

Upload Profile Picture No file chosen



File uploaded successfully
image/jpeg

Copyright@GoSocial.com - 2022-2023

Bhujbal Knowledge City

MET Institute of Computer Science

AWT Lab

DisplayStopWatch.aspx -

<!DOCTYPE html>

```
<head runat="server">
```

</head>

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

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


<ContentTemplate>

mins

```
<asp:Label ID="lblsecs" runat="server" Font-Size="X-Large" ForeColor="#CC0000"
```

</ContentTemplate>

MET Institute of Computer Science

```
<asp:Button ID="btnstop" runat="server" Font-Size="X-Large" OnClick="btnstop_Click"  
Text="Stop" />  
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
<asp:Button ID="btnrestart" runat="server" Font-Size="X-Large"  
OnClick="btnrestart_Click" Text="Restart" />  
<br />  
<asp:Timer ID="Timer1" runat="server" Enabled="False" Interval="1000"  
OnTick="Timer1_Tick">  
</asp:Timer>  
</div>  
</form>  
</body>  
</html>
```

DisplayStopWatch.aspx.cs -

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

namespace StopwatchDemo
{
    public partial class DisplayStopwatch : System.Web.UI.Page
    {
        static int mins, secs;
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Timer1_Tick(object sender, EventArgs e)
        {
            secs++;
            lblsecs.Text = secs.ToString();
            if(secs > 59)
            {
                mins++;
                lblmins.Text = mins.ToString();
                secs = 0;
            }
        }
    }
}
```

```
protected void btnstop_Click(object sender, EventArgs e)
{
    Timer1.Enabled = false;
    Button temp = (Button)sender;
    if (temp.Text.Equals("Stop"))
    {
        btnstop.Text = "Resume";
        Timer1.Enabled = false;
    }
    else if (temp.Text.Equals("Resume"))
    {
        btnstop.Text = "Stop";
        Timer1.Enabled = true;
    }
}

protected void btnrestart_Click(object sender, EventArgs e)
{
    lblmins.Text = "0";
    lblsecs.Text = "0";
}

protected void btnstart_Click(object sender, EventArgs e)
{
    Timer1.Enabled = true;
    lblmins.Text = mins.ToString();
    lblsecs.Text = secs.ToString();
}
}
```

DisplayTimer.aspx -

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="DisplayTimer.aspx.cs"
Inherits="StopwatchDemo.DisplayTimer" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            margin-left: 42px;
            margin-bottom: 4px;
```

```
</>
    .auto-style2 {
        width: 434px;
        height: 31px;
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="lbltime" runat="server" Font-Size="X-Large" Text="Enter Time(mins) : "
Font-Names="Segoe Print" ForeColor="#660033"></asp:Label>
      &nbsp;<asp:TextBox ID="txttime" runat="server" Font-Size="X-Large" Width="182px"
BorderColor="#660066" Height="30px"></asp:TextBox>
      <br />
      <asp:ScriptManager ID="ScriptManager1" runat="server">
      </asp:ScriptManager>
      <fieldset class="auto-style2">
          <asp:UpdatePanel ID="UpdatePanel1" runat="server">
              <ContentTemplate>
                  &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
&nbsp;<asp:Label ID="lblltimer" runat="server" Font-Size="X-Large" ForeColor="#CC0000"
Font-Names="Calibri"></asp:Label>
                </ContentTemplate>
                <Triggers>
                    <asp:AsyncPostBackTrigger ControlID="Timer1" EventName="Tick" />
                </Triggers>
            </asp:UpdatePanel>
        </fieldset>
        <br />
        <br />
        <asp:Button ID="btnstart" runat="server" CssClass="auto-style1" Font-Size="X-Large"
Text="Start" BackColor="#CCCCFF" BorderColor="#660066" BorderStyle="Ridge"
Font-Names="Segoe Print" ForeColor="#660066" Height="42px" OnClick="btnstart_Click" />
        <asp:Button ID="btnreset" runat="server" CssClass="auto-style1" Font-Size="X-Large"
Text="Reset" BackColor="#CCCCFF" BorderColor="#660066" BorderStyle="Ridge"
Font-Names="Segoe Print" ForeColor="#660066" Height="42px" OnClick="btnreset_Click" />
        <asp:Button ID="btncstop" runat="server" CssClass="auto-style1" Font-Size="X-Large"
Text="Stop" BackColor="#CCCCFF" BorderColor="#660066" BorderStyle="Ridge"
Font-Names="Segoe Print" ForeColor="#660066" Height="42px" OnClick="btncstop_Click"
Enabled="False" />
        <br />
        <asp:Timer ID="Timer1" runat="server" Enabled="False" Interval="1000"
OnTick="Timer1_Tick">
```



```

        </asp:Timer>
    </div>
</form>
</body>
</html>

```

DisplayTimer.aspx.cs -

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace StopwatchDemo
{
    public partial class DisplayTimer : System.Web.UI.Page
    {
        static int mins, secs = 60;
        protected void btnstart_Click(object sender, EventArgs e)
        {
            btnstart.Enabled = false;
            mins = int.Parse(txttime.Text);
            lbltimer.Text = mins + "m : " + "0s";
            //decrement mins
            mins--;
            secs = 60;
            Timer1.Enabled = true;
            btnstop.Enabled = true;
        }
        protected void Timer1_Tick(object sender, EventArgs e)
        {
            if(mins >= 0)
            {
                if(secs > 0)
                {
                    secs--;
                    lbltimer.Text = mins + "m : " + secs + "s";
                }
                else
                {
                    mins--;
                    secs = 60;
                }
            }
        }
    }
}

```

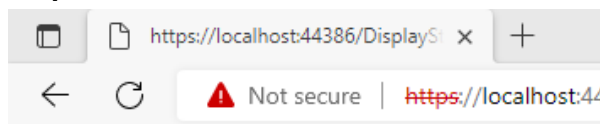
```

else
{
    Timer1.Enabled = false;
}
}
protected void btnstop_Click(object sender, EventArgs e)
{
    Button temp = (Button)sender;
    if (temp.Text.Equals("Stop"))
    {
        btnstop.Text = "Resume";
        Timer1.Enabled = false;
    }
    else if(temp.Text.Equals("Resume"))
    {
        btnstop.Text = "Stop";
        Timer1.Enabled = true;
    }
}
protected void btnreset_Click(object sender, EventArgs e)
{
    btnstart.Enabled = true;
    txttime.Text = "";
    btnstop.Enabled = false;
    Timer1.Enabled = false;
    //mins = 0;
    lbltimer.Text = "";
}
protected void Page_Load(object sender, EventArgs e)
{
}
} } }

```

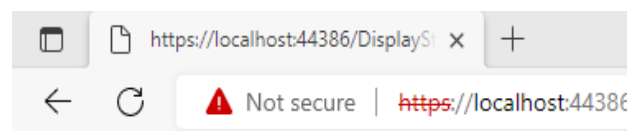
Output -

StopWatch -



1 mins 16 secs

Start Stop Restart



1 mins 55 secs

Start Resume Restart

Timer -

Browser address bar: <https://localhost:44386/DisplayTimer.asp>

Enter Time(mins) :

2m : 53s

Start

Reset

Stop

Browser address bar: <https://localhost:44386/DisplayTimer.asp>

Enter Time(mins) :

2m : 17s

Start

Reset

Resume

Program No	13
Roll No	
Title of Program	MVC
Description	Birthday invitation using MVC

Source Code:

HomeController.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace BirthdayInvitation.Controllers
{
    public class HomeController : Controller
    {
        // GET: Home
        public ActionResult Index()
        {
            //fetch current time
            int hour = DateTime.Now.Hour;
            if(hour<12)
            {
                ViewBag.Greeting = "Good Morning..!";
            }
            else if(hour<16)
            {
                ViewBag.Greeting = "Good Afternoon..!";
            }
            else
            {
                ViewBag.Greeting = "Good Evening..!";
            }
            return View();
        }
        public ActionResult RsvpForm()
        {
            return View();
        }
    }
}
```

GuestResponse.cs

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

namespace BirthdayInvitation.Models
{
    public class GuestResponse
    {
        public String GuestName { get; set; }
    }
}
```

Bhujbal Knowledge City

MET Institute of Computer Science

```
public String Email { get; set; }
public String ContactNo { get; set; }
public bool WillAttend { get; set; }
public bool Veg { get; set; }
}
}
```

Index.cshtml

```
@{
    ViewBag.Title = "Index";
}

<h2>Welcome To Nidhi's Birthday Invitation!!!</h2>
<div>
    @ViewBag.Greeting
    <br />
    <h3>You are invited at Nidhi's birthday party.
</h3>
    <p> We are going to have a very exciting Party!!!</p>
    <br />
    @Html.ActionLink("RSVP Form", "RsvpForm")
</div>
```

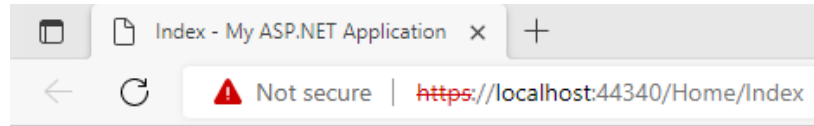
RsvpForm.cshtml

```
@model BirthdayInvitation.Models.GuestResponse
```

```
@{
    ViewBag.Title = "RsvpForm";
}

<h2>Nidhi's Birthday'</h2>
@using (Html.BeginForm())
{
    <p>Your Name:@Html.TextBoxFor(x=>x.GuestName)</p>
    <p>Your Email:@Html.TextBoxFor(x => x.Email)</p>
    <p>Your Contact:@Html.TextBoxFor(x => x.ContactNo)</p>
    <p>Are you vegetarian:@Html.RadioButtonFor(x => x.Veg, "Yes")Yes
    @Html.RadioButtonFor(x => x.Veg, "No")No</p>
    <p>Will you Attend the party:@Html.RadioButtonFor(x => x.WillAttend,
    "Yes")Yes    @Html.RadioButtonFor(x => x.WillAttend, "No")No</p>
}
```

Output:



[Application name](#)

Welcome To Nidhi's Birthday Invitation!!!

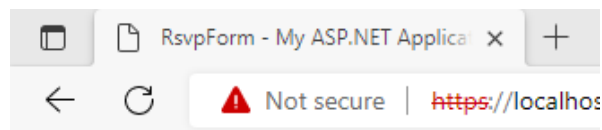
Good Morning!

You are invited at Nidhi's birthday party.

We are going to have a very exciting Party!!!

[RSVP Form](#)

© 2022 - My ASP.NET Application



[Application name](#)

Nidhi's Birthday

Your Name:

Your Email:

Your Contact:

Are you vegetarian: ☐ Yes ☒ No

Will you Attend the party: ☒ Yes ☐ No

© 2022 - My ASP.NET Application

AWT Lab

Program No	14
Roll No	
Title of Program	ASP .NET Web Applications
Description	Teachers Info using MVC

Source Code:

Teacher.cs -

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

namespace TeachersInfo.Models
{
    public class Teacher
    {
        public virtual int TeacherId { get; set; }
        public virtual String TeacherName { get; set; }
        public virtual String TeacherQual { get; set; }
        public virtual int YearsOfExp { get; set; }
    }
}
```

TeachersController.cs -

```
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.Entity;
using System.Linq;
using System.Net;
using System.Web;
using System.Web.Mvc;
using TeachersInfo.Data;
using TeachersInfo.Models;

namespace TeachersInfo.Controllers
{
    public class TeachersController : Controller
    {

```

```
private TeachersInfoContext db = new TeachersInfoContext();
```

```
// GET: Teachers
```

```
public ActionResult Index()
```

```
{
    return View(db.Teachers.ToList());
}
```

```
// GET: Teachers/Details/5
```

```
public ActionResult Details(int? id)
```

```
{
    if (id == null)
    {
        return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
    }
    Teacher teacher = db.Teachers.Find(id);
    if (teacher == null)
    {
        return HttpNotFound();
    }
    return View(teacher);
}
```

```
// GET: Teachers/Create
```

```
public ActionResult Create()
```

```
{
    return View();
}
```

```
// POST: Teachers/Create
```

// To protect from overposting attacks, enable the specific properties you want to bind to,
for

```
// more details see https://go.microsoft.com/fwlink/?LinkId=317598.
```

```
[HttpPost]
```

```
[ValidateAntiForgeryToken]
```

```
public ActionResult Create([Bind(Include =
```

```
"TeacherId,TeacherName,TeacherQual,YearsOfExp")] Teacher teacher)
```

```
{
    if (ModelState.IsValid)
    {
        db.Teachers.Add(teacher);
        db.SaveChanges();
        return RedirectToAction("Index");
    }
}
```



```

        return View(teacher);
    }

    // GET: Teachers/Edit/5
    public ActionResult Edit(int? id)
    {
        if (id == null)
        {
            return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
        }
        Teacher teacher = db.Teachers.Find(id);
        if (teacher == null)
        {
            return HttpNotFound();
        }
        return View(teacher);
    }

    // POST: Teachers/Edit/5
    // To protect from overposting attacks, enable the specific properties you want to bind to,
for
    // more details see https://go.microsoft.com/fwlink/?LinkId=317598.
    [HttpPost]
    [ValidateAntiForgeryToken]
    public ActionResult Edit([Bind(Include =
"TeacherId,TeacherName,TeacherQual,YearsOfExp")] Teacher teacher)
    {
        if (ModelState.IsValid)
        {
            db.Entry(teacher).State = EntityState.Modified;
            db.SaveChanges();
            return RedirectToAction("Index");
        }
        return View(teacher);
    }

    // GET: Teachers/Delete/5
    public ActionResult Delete(int? id)
    {
        if (id == null)
        {
            return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
        }
    }

```

```

Teacher teacher = db.Teachers.Find(id);
if (teacher == null)
{
    return HttpNotFound();
}
return View(teacher);
}

// POST: Teachers/Delete/5
[HttpPost, ActionName("Delete")]
[ValidateAntiForgeryToken]
public ActionResult DeleteConfirmed(int id)
{
    Teacher teacher = db.Teachers.Find(id);
    db.Teachers.Remove(teacher);
    db.SaveChanges();
    return RedirectToAction("Index");
}

protected override void Dispose(bool disposing)
{
    if (disposing)
    {
        db.Dispose();
    }
    base.Dispose(disposing);
}
}
}

```

Index.cshtml -

```
@model IEnumerable<TeachersInfo.Models.Teacher>
```

```
@{
    ViewBag.Title = "Index";
}
```

```
<h2>Index</h2>
```

```
<p>
    @Html.ActionLink("Create New", "Create")
</p>
<table class="table">
    <tr>
```

```
<th>
    @Html.DisplayNameFor(model => model.TeacherName)
</th>
<th>
    @Html.DisplayNameFor(model => model.TeacherQual)
</th>
<th>
    @Html.DisplayNameFor(model => model.YearsOfExp)
</th>
<th></th>
</tr>

@foreach (var item in Model) {
    <tr>
        <td>
            @Html.DisplayFor(modelItem => item.TeacherName)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.TeacherQual)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.YearsOfExp)
        </td>
        <td>
            @Html.ActionLink("Edit", "Edit", new { id=item.TeacherId }) |
            @Html.ActionLink("Details", "Details", new { id=item.TeacherId }) |
            @Html.ActionLink("Delete", "Delete", new { id=item.TeacherId })
        </td>
    </tr>
}
</table>
```

Output -

Application name

Index

[Create New](#)

TeacherName	TeacherQual	YearsOfExp	
Omprakash	M.Sc.	18	Edit Details Delete
Harshali	Phd	30	Edit Details Delete
Flavia	Placement Coordinator	28	Edit Details Delete

© 2022 - My ASP.NET Application

Application name

Edit

Teacher

TeacherName

TeacherQual

YearsOfExp

Save

[Back to List](#)

© 2022 - My ASP.NET Application

Application name

Details

Teacher

TeacherName

Omprakash

TeacherQual

M.Sc.

YearsOfExp

20

[Edit](#) | [Back to List](#)

© 2022 - My ASP.NET Application

[Application name](#)

Delete

Are you sure you want to delete this?

Teacher

TeacherName

Harshali

TeacherQual

Phd

YearsOfExp

30

Delete

[Back to List](#)

© 2022 - My ASP.NET Application

[Application name](#)

Index

[Create New](#)

TeacherName	TeacherQual	YearsOfExp	
Omprakash	M.Sc.	20	Edit Details Delete
Flavia	Placement Coordinator	28	Edit Details Delete

© 2022 - My ASP.NET Application

AWT LAB

Program No	15
Roll No	
Title of Program	Movies Info
Description	MVC

Source Code:

Movies.cs

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

namespace MoviesInfo.Models
{
    public class Movie
    {
        public virtual int MovieId { get; set; }
        public virtual String MovieName { get; set; }
        public virtual String MovieCategory { get; set; }
        public virtual float MovieRatings { get; set; }
    }
}
```

MoviesController.cs

```
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.Entity;
using System.Linq;
using System.Net;
using System.Web;
using System.Web.Mvc;
using MoviesInfo.Data;
using MoviesInfo.Models;

namespace MoviesInfo.Controllers
{
    public class MoviesController : Controller
    {
        private MoviesInfoContext db = new MoviesInfoContext();
    }
}
```

```
// GET: Movies
public ActionResult Index()
{
    return View(db.Movies.ToList());
}

// GET: Movies/Details/5
public ActionResult Details(int? id)
{
    if (id == null)
    {
        return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
    }
    Movie movie = db.Movies.Find(id);
    if (movie == null)
    {
        return HttpNotFound();
    }
    return View(movie);
}

// GET: Movies/Create
public ActionResult Create()
{
    return View();
}

// POST: Movies/Create
// To protect from overposting attacks, enable the specific properties you want to bind to,
for
// more details see https://go.microsoft.com/fwlink/?LinkId=317598.
[HttpPost]
[ValidateAntiForgeryToken]
public ActionResult Create([Bind(Include =
"MovieId,MovieName,MovieCategory,MovieRatings")] Movie movie)
{
    if (ModelState.IsValid)
    {
        db.Movies.Add(movie);
        db.SaveChanges();
        return RedirectToAction("Index");
    }

    return View(movie);
}
```

```
}
```

```
// GET: Movies/Edit/5
```

```
public ActionResult Edit(int? id)
```

```
{
```

```
    if (id == null)
```

```
    {
```

```
        return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
```

```
    }
```

```
    Movie movie = db.Movies.Find(id);
```

```
    if (movie == null)
```

```
    {
```

```
        return HttpNotFound();
```

```
    }
```

```
    return View(movie);
```

```
}
```

```
// POST: Movies/Edit/5
```

```
// To protect from overposting attacks, enable the specific properties you want to bind to,
```

```
for
```

```
// more details see https://go.microsoft.com/fwlink/?LinkId=317598.
```

```
[HttpPost]
```

```
[ValidateAntiForgeryToken]
```

```
public ActionResult Edit([Bind(Include =
```

```
"MovieId,MovieName,MovieCategory,MovieRatings")] Movie movie)
```

```
{
```

```
    if (ModelState.IsValid)
```

```
    {
```

```
        db.Entry(movie).State = EntityState.Modified;
```

```
        db.SaveChanges();
```

```
        return RedirectToAction("Index");
```

```
    }
```

```
    return View(movie);
```

```
}
```

```
// GET: Movies/Delete/5
```

```
public ActionResult Delete(int? id)
```

```
{
```

```
    if (id == null)
```

```
    {
```

```
        return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
```

```
    }
```

```
    Movie movie = db.Movies.Find(id);
```

```
    if (movie == null)
```



```

    {
        return HttpNotFound();
    }
    return View(movie);
}

// POST: Movies/Delete/5
[HttpPost, ActionName("Delete")]
[ValidateAntiForgeryToken]
public ActionResult DeleteConfirmed(int id)
{
    Movie movie = db.Movies.Find(id);
    db.Movies.Remove(movie);
    db.SaveChanges();
    return RedirectToAction("Index");
}

protected override void Dispose(bool disposing)
{
    if (disposing)
    {
        db.Dispose();
    }
    base.Dispose(disposing);
}
}
}

```

Index.cshtml

```
@model IEnumerable<MoviesInfo.Models.Movie>
```

```
@{
    ViewBag.Title = "Index";
}
```

```
<h2>Index</h2>
```

```

<p>
    @Html.ActionLink("Create New", "Create")
</p>
<table class="table">
    <tr>
        <th>
            @Html.DisplayNameFor(model => model.MovieName)

```

```

</th>
<th>
    @Html.DisplayNameFor(model => model.MovieCategory)
</th>
<th>
    @Html.DisplayNameFor(model => model.MovieRatings)
</th>
<th></th>
</tr>

@foreach (var item in Model) {
<tr>
<td>
    @Html.DisplayFor(modelItem => item.MovieName)
</td>
<td>
    @Html.DisplayFor(modelItem => item.MovieCategory)
</td>
<td>
    @Html.DisplayFor(modelItem => item.MovieRatings)
</td>
<td>
    @Html.ActionLink("Edit", "Edit", new { id=item.MovieId }) |
    @Html.ActionLink("Details", "Details", new { id=item.MovieId }) |
    @Html.ActionLink("Delete", "Delete", new { id=item.MovieId })
</td>
</tr>
}

```

</table>

Output :

 [Application name](#)

Index

[Create New](#)

MovieName	MovieCategory	MovieRatings	
Enola Holmes	Mystery	4.8	Edit Details Delete
AntMan	Action	4.8	Edit Details Delete
Deadpool	Action-Comedy	5	Edit Details Delete

 [Application name](#)

Edit

Movie

MovieName

Enola Holmes

MovieCategory

Mystery

MovieRatings

4.8

[Back to List](#)

© 2022 - My ASP.NET Application

 [Application name](#)

Details

Movie

MovieName

AntMan

MovieCategory

Action

MovieRatings

4.8

[Edit](#) | [Back to List](#)

© 2022 - My ASP.NET Application

[Application name](#)

Delete

Are you sure you want to delete this?

Movie

MovieName
AntMan
MovieCategory
Action
MovieRatings
4.8

| [Back to List](#)

© 2022 - My ASP.NET Application

[Application name](#)

Index

[Create New](#)

MovieName	MovieCategory	MovieRatings	
Enola Holmes	Mystery	5.2	Edit Details Delete
Deadpool	Action-Comedy	5	Edit Details Delete

© 2022 - My ASP.NET Application

AWT LAB

Program No	16
Roll No	
Title of Program	ASP .NET Web Applications
Description	Social Networking site

Source Code:

Index.aspx-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Index.aspx.cs"
Inherits="MySocialNetworkingSite.Index" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>
</title>
  <link href="Content/bootstrap.css" rel="stylesheet" />
  <style type="text/css">
    .auto-style3 {
      height: 38px;
    }
    .auto-style4 {
      width: 1571px;
    }
    .auto-style5 {
      margin-left: 1px;
    }
    .auto-style6 {
      text-align: justify;
    }
    .auto-style7 {
      width: 145%;
      padding-right: var(--bs-gutter-x, 0.75rem);
      padding-left: var(--bs-gutter-x, 0.75rem);
      margin-right: auto;
      margin-left: auto;
    }
    .auto-style8 {
      width: 587px;
    }
  </style>
```

[illegible]

Bhujbal Knowledge City

MET Institute of Computer Science

```
<asp:Button class="btn btn-info" ID="btnsignup" runat="server"
Font-Size="X-Large" Text="Sign Up" Width="197px" PostBackUrl="~/RegisterUser.aspx" />
</td>
</tr>
</table>
</div>
</div>
</form>
</body>
</html>
```

Index.aspx.cs -

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
namespace MySocialNetworkingSite
{
    public partial class Index : System.Web.UI.Page
    {
        SqlConnection myconn;
        SqlCommand mycmd;
        SqlDataReader myrdr;
        protected void Page_Load(object sender, EventArgs e)
        {
            myconn = new SqlConnection();
            myconn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial
Catalog=SocialDB;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubn
etFailover=False";
        }
        protected void btnsignin_Click(object sender, EventArgs e)
        {
            myconn.Open();
            String mysql = "select * from dbo.userdetails where un = @un and pwd = @pwd";
```

```
mycmd = new SqlCommand(mysql, myconn);
mycmd.Parameters.AddWithValue("@un", txtun.Text);
mycmd.Parameters.AddWithValue("@pwd", txtpwd.Text);
myrdr = mycmd.ExecuteReader();
if (myrdr.HasRows)
{
    Response.Write("<script>alert('Signed In Successfully')</script>");
    //Response.Redirect("~/Index.aspx");
}
else
{
    //Response.Redirect("~/RegisterUser.aspx");
    Response.Write("<script>alert('Invalid username or password')</script>");
} } }
```

RegisterUser.aspx -

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="RegisterUser.aspx.cs"
Inherits="MySocialNetworkingSite.RegisterUser" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <link href="Content/bootstrap.css" rel="stylesheet" />
    <style type="text/css">
        .auto-style1 {
            max-width: 100%;
            height: 166px;
            margin-right: 0px;
        }
        .auto-style2 {
            margin-left: 33px;
        }
        .auto-style3 {
            margin-left: 32px;
        }
        .auto-style4 {
            --bs-gutter-x: 1.5rem;
            --bs-gutter-y: 0;
            display: flex;
            flex-wrap: wrap;
```


[illegible]

[illegible]

MET Institute of Computer Science

[illegible]

RegisterUser.aspx.cs -

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

namespace MySocialNetworkingSite
{
    public partial class RegisterUser : System.Web.UI.Page
    {
        SqlConnection myconn;
        SqlCommand mycmd;
        protected void Page_Load(object sender, EventArgs e)
        {
        }
        protected void cvalcap_ServerValidate(object source, ServerValidateEventArgs args)
        {
        }
        bool CheckPassword(String inp)
        {
            bool result = false;
            int cnt = 0;
            if(inp.Length < 8)
            {
                return result;
            }
            foreach(char c in inp)
            {
                if(c >= 'A' && c <= 'Z')
                {
                    result = true;
                    cnt++;
                    break;
                }
            }
            foreach(char c in inp)
            {
                if(c >= 'a' && c <= 'z')
                {
                    result = true;
                    cnt++;
                    break;
                }
            }
        }
    }
}
```

```

    } }
foreach(char c in inp)
{
    if(c >= '0' && c <= '9')
    {
        result = true;
        cnt++;
        break;
    } }
if(cnt==3)
{
    //check for special symbols
    String sym = "~!@#$%^&* _-";
    if(inp.IndexOfAny(sym.ToCharArray()) == -1)
    {
        result = false;
    }
}
else
{
    result = false;
}
return result;
}
protected void valpwd_ServerValidate(object source, ServerValidateEventArgs args)
{
    String pwd = args.Value;
    args.IsValid = CheckPassword(pwd);
}
protected void btnRegister_Click(object sender, EventArgs e)
{
    //check whether page is valid.
    if(Page.IsValid)
    {
        myconn = new SqlConnection();
        myconn.ConnectionString = @"Data Source=(localdb)\MSSQLLocalDB;Initial
Catalog=SocialDB;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubn
etFailover=False";
        String insSql = "insert into dbo.userdetails
values(@un,@fn,@ln,@gen,@cn,@em,@pwd,@dob)";
        mycmd = new SqlCommand(insSql,myconn);
        mycmd.Parameters.AddWithValue("@un", txtusername.Text);
        mycmd.Parameters.AddWithValue("@fn", txtfn.Text);
    }
}

```

```
mycmd.Parameters.AddWithValue("@ln", txtln.Text);
if(radmale.Checked)
{
    mycmd.Parameters.AddWithValue("@gen", "M");
}
if(radfemale.Checked)
{
    mycmd.Parameters.AddWithValue("@gen", "F");
}
mycmd.Parameters.AddWithValue("@cn", double.Parse(txtcontact.Text));
mycmd.Parameters.AddWithValue("@em", txtemail.Text);
mycmd.Parameters.AddWithValue("@pwd", txtpwd.Text);
mycmd.Parameters.AddWithValue("@dob", txtdob.Text);
//open the connect
myconn.Open();
int cnt = mycmd.ExecuteNonQuery();
if(cnt>0)
{
    Response.Write("<script>alert('Inserted Successfully')</script>");
}
else
{
    Response.Write("<script>alert('Insertion failed')</script>");
}
myconn.Close();
} }

protected void cvalreg_ServerValidate(object source, ServerValidateEventArgs args)
{
    String entCap = args.Value;
    String gCap = Session["Cap"].ToString();
    if (entCap.Equals(gCap))
    {
        args.IsValid = true;
    }
    else
    {
        args.IsValid = false;
    } } } }
```

dbo.userdetails -

```
CREATE TABLE [dbo].[userdetails] (
    [un] VARCHAR (50) NOT NULL,
    [fn] VARCHAR (50) NULL,
```

Bhujbal Knowledge City

MET Institute of Computer Science

```
[In] VARCHAR (50) NULL,  
[gen] VARCHAR (2) NULL,  
[cn] NUMERIC (18) NULL,  
[em] VARCHAR (50) NULL,  
[pwd] VARCHAR (50) NULL,  
[dob] VARCHAR (50) NULL,  
PRIMARY KEY CLUSTERED ([un] ASC) );
```

Output:



User Name :

Password :

[Sign In](#)

[Sign Up](#)



First Name:

Last Name:

Username :

Enter Password :

Re-Enter Password :

Enter Email :

Enter Contact :

Enter Gender : ☐ Male ☐ Female ☒ Other

QObGuc

Enter Captcha :

Date of birth :

[Register](#)



First Name:

Last Name:

Username :

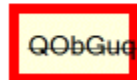
Enter Password :

Re-Enter Password :

Enter Email :

Enter Contact :

Enter Gender : ☐ Male ☒ Female ☐ Other



Enter Captcha :

Date of birth :

st:44362/RegisterUser.aspx

localhost:44362 says

Inserted Successfully



User Name :

Password :

[Sign In](#)

[Sign Up](#)

localhost:44362 says

Signed In Successfully

[OK](#)

[5://localhost:44362/Index.aspx](#)

localhost:44362 says

Invalid username or password

[OK](#)