

Working with Web Forms and Controls.

WebForm1.aspx

25

```

<asp:DropDownList ID="drdlist" runat="server">
    <asp:ListItem>10</asp:ListItem>
    <asp:ListItem>12</asp:ListItem>
    <asp:ListItem>14</asp:ListItem>
    <asp:ListItem>16</asp:ListItem>
    <asp:ListItem>18</asp:ListItem>
    <asp:ListItem>20</asp:ListItem>
</asp:DropDownList>
<br />
<br />
<asp:Label ID="Label1" runat="server" Text="This is a Sample Program"></asp:Label>
<br />
<br />
<asp:Button ID="btn" runat="server" OnClick="btn_Click" Text="Show" />
<br />
</form>
</body>
</html>

```

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 WebDemoControl
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void chkboxlist_SelectedIndexChanged(object sender, EventArgs e)
        {

        }

        protected void btn_Click(object sender, EventArgs e)
        {
            txtbox.Text = ltbox.SelectedItem.Text;
            txtbox.Font.Bold = false;
            Label1.Font.Bold = false;
            txtbox.Font.Italic = false;
        }
    }
}

```

```

Label1.Font.Italic = false;
txtbox.Font.Underline = false;
Label1.Font.Underline = false;

if (chkboxlist.SelectedItem.Text == "BOLD")
{
    txtbox.Font.Bold = true;
    Label1.Font.Bold = true;
}
if (chkboxlist.SelectedItem.Text == "ITALIC")
{
    txtbox.Font.Italic = true;
    Label1.Font.Italic = true;
}
if (chkboxlist.SelectedItem.Text == "UNDERLINE")
{
    txtbox.Font.Underline = true;
    Label1.Font.Underline = true;
}
if (rdbtlist.SelectedItem.Text == "RED")
{
    txtbox.BackColor = System.Drawing.Color.Red;
    Label1.ForeColor = System.Drawing.Color.Red;
}
else if (rdbtlist.SelectedItem.Text == "ORANGE")
{
    txtbox.BackColor = System.Drawing.Color.Orange;
    Label1.ForeColor = System.Drawing.Color.Orange;
}
else if (rdbtlist.SelectedItem.Text == "YELLOW")
{
    txtbox.BackColor = System.Drawing.Color.Yellow;
    Label1.ForeColor = System.Drawing.Color.Yellow;
}
else if (rdbtlist.SelectedItem.Text == "GREEN")
{
    txtbox.BackColor = System.Drawing.Color.Green;
    Label1.ForeColor = System.Drawing.Color.Green;
}
if (drdlist.SelectedItem.Text == "10")
{
    txtbox.Font.Size = 10;
    Label1.Font.Size = 10;
}
if (drdlist.SelectedItem.Text == "12")
{
    txtbox.Font.Size = 12;
    Label1.Font.Size = 12;
}
if (drdlist.SelectedItem.Text == "14")

```

```

    {
        txtbox.Font.Size = 14;
        Label1.Font.Size = 14;
    }
    if (drdlist.SelectedItem.Text == "16")
    {
        txtbox.Font.Size = 16;
        Label1.Font.Size = 16;
    }
    if (drdlist.SelectedItem.Text == "18")
    {
        txtbox.Font.Size = 18;
        Label1.Font.Size = 18;
    }
    if (drdlist.SelectedItem.Text == "20")
    {
        txtbox.Font.Size = 20;
        Label1.Font.Size = 20;
    }
}
}
}

```

Output:

← → ↻ 🌐 localhost:44358/WebForm1.aspx

AWP
IOT
EJ
LINUX ▼

☐ BOLD ☐ ITALIC ☐ UNDERLINE

☐ RED ☐ ORANGE ☐ YELLOW ☐ GREEN

10 ▼

This is a Sample Program

Show

← → ↻ 📄 localhost:44358/WebForm1.aspx

AWP
IOT
EJ
LINUX

AWP

☒ BOLD ☐ ITALIC ☐ UNDERLINE

☐ RED ☒ ORANGE ☐ YELLOW ☐ GREEN

16 ▼

This is a Sample Program

Show

← → ↻ 📄 localhost:44358/WebForm1.aspx

AWP
IOT
EJ
LINUX

AWP

☐ BOLD ☒ ITALIC ☐ UNDERLINE

☐ RED ☒ ORANGE ☐ YELLOW ☐ GREEN

16 ▼

This is a Sample Program

Show

WebForm1.aspx

<!DOCTYPE html>

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

</head>

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

```
Width="178px"></asp:TextBox>
```

```
<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
```

```
ForeColor="Fuchsia"></asp:RequiredFieldValidator>
```


Width="180px"></asp:TextBox>

```
<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
```

```
ForeColor="#FF0066"></asp:RequiredFieldValidator>
```

```
<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
```

```
ValidationExpression="\w+([-+.'\w+)*@(\w+([-.'\w+)*\.|\w+([-
```


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

```
<asp:TextBox ID="txtpass" runat="server" Height="25px"
```

30

[illegible]


```

protected void btnreg_Click(object sender, EventArgs e)
{
    if (CustomValidator1.IsValid)
    {
        lbluid.Text = "Correct Input";
    }
    else
    {
        lbluid.Text = "Enter correct User-Id";
    }
}
}
}

```

Web.config (add the bold line in the code)

```

<appSettings>
  <add key="webpages:Version" value="3.0.0.0" />
  <add key="webpages:Enabled" value="false" />
  <add key="ClientValidationEnabled" value="true" />
  <add key="UnobtrusiveJavaScriptEnabled" value="true" />
  <add key="validationSettings:UnobtrusiveValidationMode" value="none"/>
</appSettings>

```

Output:

localhost:44300/WebForm1.aspx

Name Enter your name

Email-Id Enter mail address

Password Enter password

Confirm password Enter correct password

Age

City

User-Id

- Enter your name
- Enter mail address
- Enter password
- Enter correct password

← → ↻ 🌐 localhost:44300/WebForm1.aspx

Name

Emai-Id Enter correct mail

Password

Confirm password Enter correct password

Age Age exceeds the range

City

User-Id

- Enter mail address
- Enter password
- Enter correct password

← → ↻ 🌐 localhost:44300/WebForm1.aspx

Name

Emai-Id

Password

Confirm password

Age

City

Enter correct User-Id Should contain 8 letters

- Should contain 8 letters

← → ↻ 🌐 localhost:44300/WebForm1.aspx

Name

Email-Id

Password

Confirm password

Age

City ▼

Correct Input

c) Navigation Controls.

1. Menu Controls

Navigation.aspx

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

```
<!DOCTYPE html>
```

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

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

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

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<asp:Menu ID="Menu1" runat="server" BackColor="#B5C7DE"
DynamicHorizontalOffset="2" Font-Names="Verdana" Font-Size="0.8em"
ForeColor="#284E98" StaticSubMenuIndent="10px">
```

```
<DynamicHoverStyle BackColor="#284E98" ForeColor="White" />
```

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

```
<DynamicMenuStyle BackColor="#B5C7DE" />
```

```
<DynamicSelectedStyle BackColor="#507CD1" />
```

```
<Items>
```

```
<asp:MenuItem NavigateUrl="~/File.aspx" Text="File" Value="File">
```

```
<asp:MenuItem NavigateUrl="~/New.aspx" Text="New"
```

```
Value="New"></asp:MenuItem>
```

```
<asp:MenuItem NavigateUrl="~/Open.aspx" Text="Open"
```

```
Value="Open"></asp:MenuItem>
```

```
<asp:MenuItem NavigateUrl="~/Add.aspx" Text="Add"
```

```
Value="Add"></asp:MenuItem>
```

```
<asp:MenuItem NavigateUrl="~/Close.aspx" Text="Close"
```

```
Value="Close"></asp:MenuItem>
```

```
</asp:MenuItem>
```

```
<asp:MenuItem NavigateUrl="~/Edit.aspx" Text="Edit" Value="Edit">
```

```
<asp:MenuItem NavigateUrl="~/Cut.aspx" Text="Cut"
```

```
Value="Cut"></asp:MenuItem>
```

```
<asp:MenuItem NavigateUrl="~/Copy.aspx" Text="Copy"
```

```
Value="Copy"></asp:MenuItem>
```

```
<asp:MenuItem NavigateUrl="~/Paste.aspx" Text="Paste"
```

```
Value="Paste"></asp:MenuItem>
```

```
</asp:MenuItem>
```

```
<asp:MenuItem NavigateUrl="~/View.aspx" Text="View" Value="View">
```

```
<asp:MenuItem NavigateUrl="~/Solution Explorer.aspx" Text="Solution
Explorer" Value="Solution Explorer"></asp:MenuItem>
```

```

        <asp:MenuItem NavigateUrl=~ /Server Explorer.aspx" Text="Server
Explorer" Value="Server Explorer"></asp:MenuItem>
        <asp:MenuItem NavigateUrl=~ /Toolbox.aspx" Text="Toolbox"
Value="Toolbox"></asp:MenuItem>
    </asp:MenuItem>
</Items>
<StaticHoverStyle BackColor="#284E98" ForeColor="White" />
<StaticMenuItemStyle HorizontalPadding="5px" VerticalPadding="2px" />
<StaticSelectedStyle BackColor="#507CD1" />
</asp:Menu>
</div>
</form>
</body>
</html>

```

Copy.aspx

```

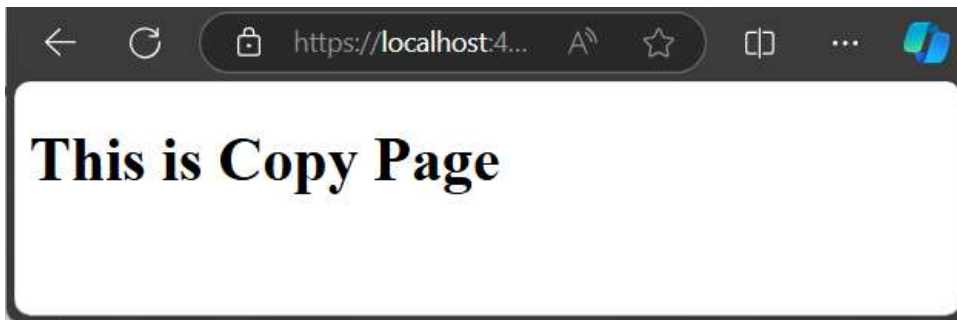
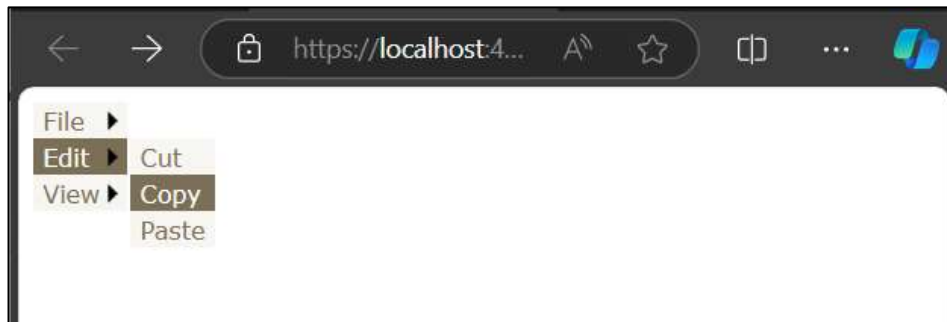
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Edit.aspx.cs"
Inherits="NavigationControl.Edit" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div><h1>This is Copy Page</h1>
        </div>
    </form>
</body>
</html>

```

Output:



2. Tree View Controls

Navigation.aspx

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

```
<!DOCTYPE html>
```

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

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

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

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<asp:TreeView ID="TreeView1" runat="server" ImageSet="BulletedList3"
ShowExpandCollapse="False">
```

```
<HoverNodeStyle Font-Underline="True" ForeColor="#5555DD" />
```

```
<Nodes>
```

```
<asp:TreeNode NavigateUrl="~/File.aspx" Text="File" Value="File">
```

```
<asp:TreeNode NavigateUrl="~/New.aspx" Text="New"
```

```
Value="New"></asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/Add.aspx" Text="Add"
```

```
Value="Add"></asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/Open.aspx" Text="Open"
```

```
Value="Open"></asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/Close.aspx" Text="Close"
```

```
Value="Close"></asp:TreeNode>
```

```
</asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/Edit.aspx" Text="Edit" Value="Edit">
```

```
<asp:TreeNode NavigateUrl="~/Cut.aspx" Text="Cut"
```

```
Value="Cut"></asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/Copy.aspx" Text="Copy"
```

```
Value="Copy"></asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/Paste.aspx" Text="Paste"
```

```
Value="Paste"></asp:TreeNode>
```

```
</asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/View.aspx" Text="View" Value="View">
```

```
<asp:TreeNode NavigateUrl="~/Solution Explorer.aspx" Text="Solution
Explorer" Value="Solution Explorer"></asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/Server Explorer.aspx" Text="Server
Explorer" Value="Server Explorer"></asp:TreeNode>
```

```
<asp:TreeNode NavigateUrl="~/ToolBox.aspx" Text="ToolBox"
Value="ToolBox"></asp:TreeNode>
```

```
</asp:TreeNode>
```

```
</Nodes>
```

```

        <NodeStyle Font-Names="Verdana" Font-Size="8pt" ForeColor="Black"
HorizontalPadding="5px" NodeSpacing="0px" VerticalPadding="0px" />
        <ParentNodeStyle Font-Bold="False" />
        <SelectedNodeStyle Font-Underline="True" ForeColor="#5555DD"
HorizontalPadding="0px" VerticalPadding="0px" />
    </asp:TreeView>
</div>
</form>
</body>
</html>

```

ServerExplorer.aspx

```

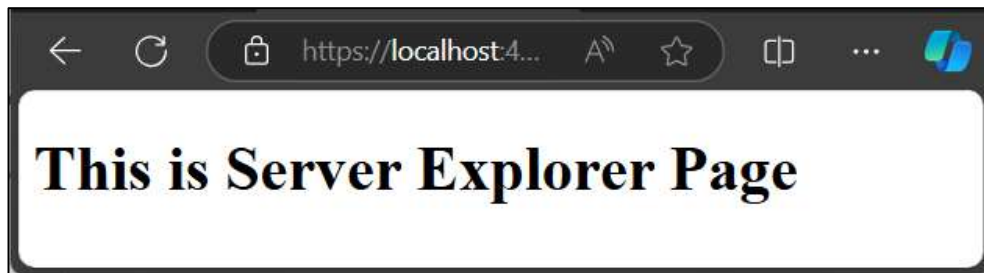
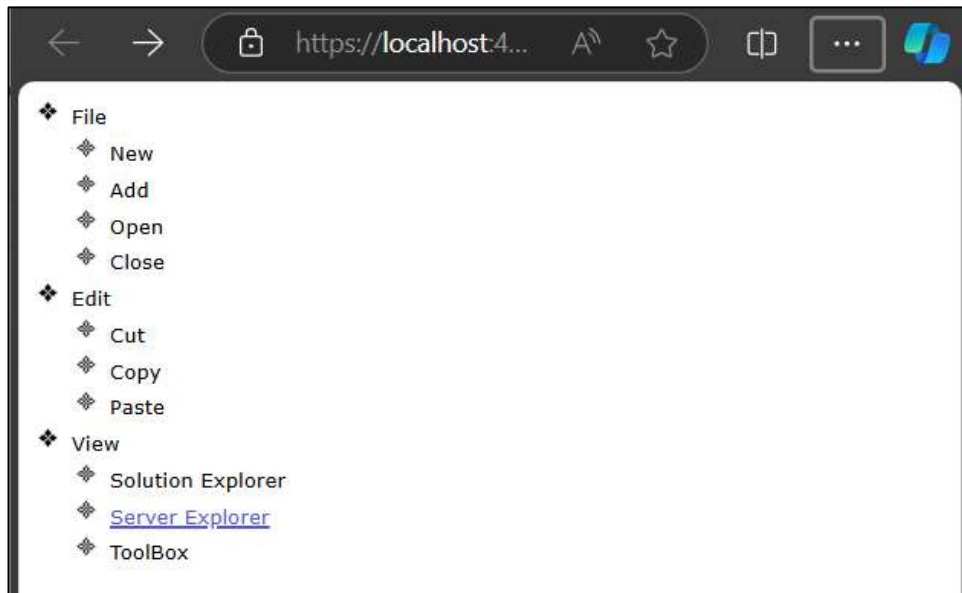
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="View.aspx.cs"
Inherits="TreeView.View" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div><h1>This is Server Explorer Page</h1>
        </div>
    </form>
</body>
</html>

```


Output:



3. SiteMap Control

SiteMap.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="SiteMap.aspx.cs"
Inherits="SiteMapControl1.SiteMap" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <asp:TreeView ID="TreeView1" runat="server" ImageSet="BulletedList2"
ShowExpandCollapse="False">
        <HoverNodeStyle Font-Underline="True" ForeColor="#5555DD" />
        <Nodes>
          <asp:TreeNode NavigateUrl="~/File.aspx" Text="File" Value="File">
            <asp:TreeNode NavigateUrl="~/New.aspx" Text="New"
Value="New"></asp:TreeNode>
            <asp:TreeNode NavigateUrl="~/Add.aspx" Text="Add"
Value="Add"></asp:TreeNode>
            <asp:TreeNode>
              <asp:TreeNode NavigateUrl="~/Edit.aspx" Text="Edit" Value="Edit">
                <asp:TreeNode NavigateUrl="~/Cut.aspx" Text="Cut"
Value="Cut"></asp:TreeNode>
                <asp:TreeNode NavigateUrl="~/Copy.aspx" Text="Copy"
Value="Copy"></asp:TreeNode>
              </asp:TreeNode>
            </Nodes>
            <NodeStyle Font-Names="Verdana" Font-Size="8pt" ForeColor="Black"
HorizontalPadding="0px" NodeSpacing="0px" VerticalPadding="0px" />
            <ParentNodeStyle Font-Bold="False" />
            <SelectedNodeStyle Font-Underline="True" ForeColor="#5555DD"
HorizontalPadding="0px" VerticalPadding="0px" />
          </asp:TreeView>
        </div>
      </form>
    </body>
  </html>
```

File.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="File.aspx.cs"
Inherits="SiteMapControl1.File" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div><h1>This is File page</h1>
      <asp:SiteMapPath ID="SiteMapPath1" runat="server"></asp:SiteMapPath>
    </div>
  </form>
</body>
</html>

```

New.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="New.aspx.cs"
Inherits="SiteMapControl1.New" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div><h1>This is New page</h1>
      <asp:SiteMapPath ID="SiteMapPath1" runat="server"></asp:SiteMapPath>
    </div>
  </form>
</body>
</html>

```

Add.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Add.aspx.cs"
Inherits="SiteMapControl1.Add" %>

<!DOCTYPE html>

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

```

```

<title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div><h1>This is Add page</h1>
      <asp:SiteMapPath ID="SiteMapPath1" runat="server"></asp:SiteMapPath>
    </div>
  </form>
</body>
</html>

```

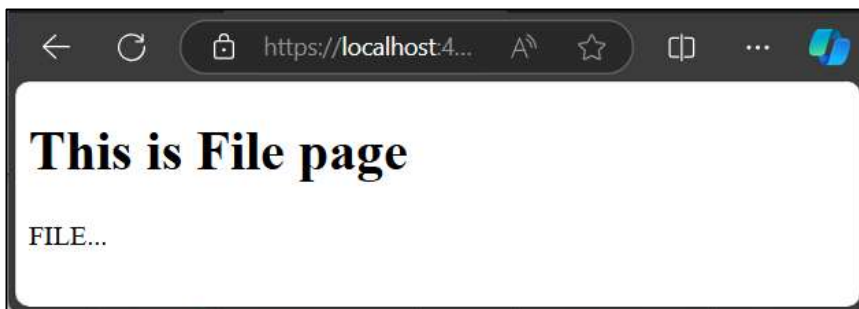
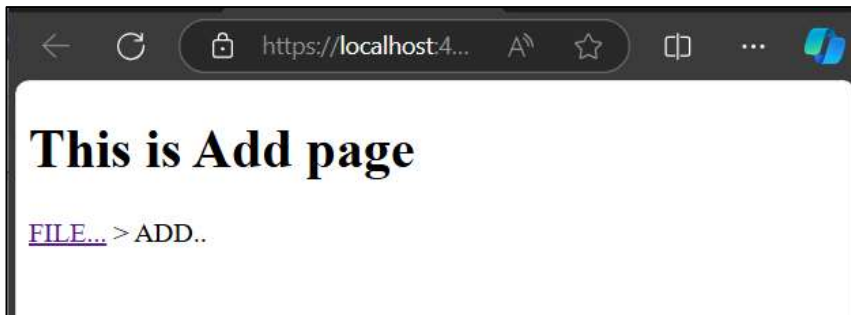
Web.sitemap

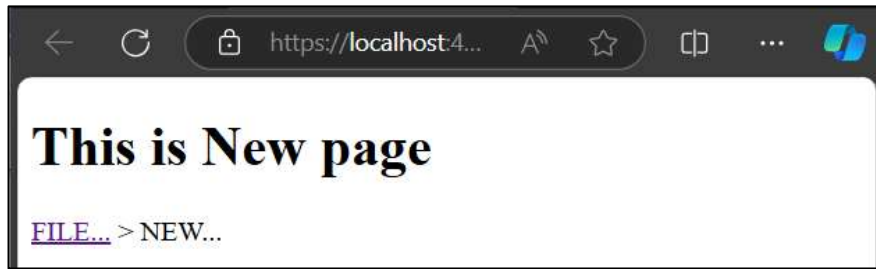
```

<?xml version="1.0" encoding="utf-8" ?>
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >
  <siteMapNode url="File.aspx" title="FILE..." description="This is File Page">
    <siteMapNode url="New.aspx" title="NEW..." description="This is New Page" />
    <siteMapNode url="Add.aspx" title="ADD.." description="This is Add page" />
  </siteMapNode>
</siteMap>

```

Output:





i. User Control

[illegible]

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

<%@ Register src="login.ascx" tagname="login" tagprefix="uc1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <uc1:login ID="login1" runat="server" />
        </div>
    </form>
</body>
</html>
```


XMLFile1.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
  <Ad>
    <ImageUrl>/Images/red_flower.jpg</ImageUrl>
    <NavigateUrl>red_flower.aspx</NavigateUrl>
    <Alternatetext>Red Rose</Alternatetext>
  </Ad>
  <Ad>
    <ImageUrl>/Images/white_flower.jpg</ImageUrl>
    <NavigateUrl>white_flower.aspx</NavigateUrl>
    <Alternatetext>White Rose</Alternatetext>
  </Ad>
</Advertisements>
```

white_flower.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div><h1>This is White flower page</h1>
    </div>
  </form>
</body>
</html>
```

red_flower.aspx

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

<!DOCTYPE html>

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

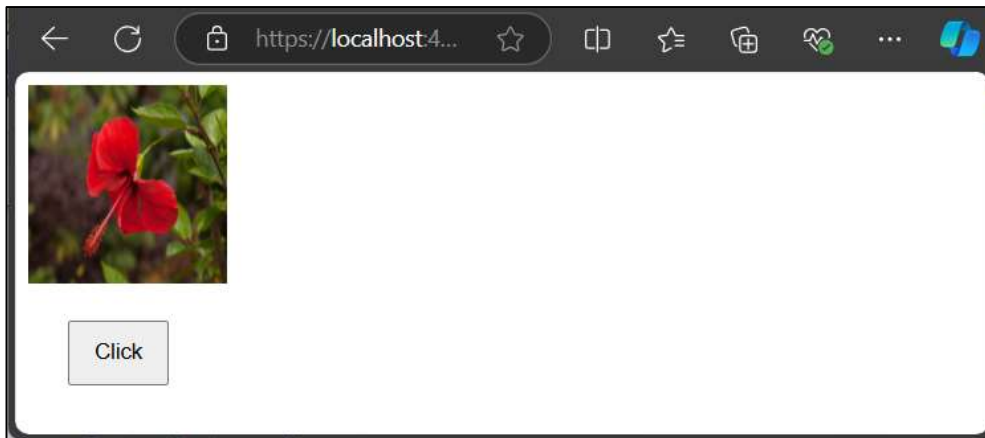


```

<body>
  <form id="form1" runat="server">
    <div><h1>This is Red flower page</h1>
    </div>
  </form>
</body>
</html>

```

Output:



iii. Calendar Controls

Calendar.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Calendar.aspx.cs"
Inherits="WebApplication1.Calendar" %>

```

```

<!DOCTYPE html>

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>

```

[illegible]

Calendar.aspx.cs

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

namespace WebApplication1
{
    public partial class Calendar : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void ImageButton1_Click(object sender, ImageClickEventArgs e)
        {
            Calendar1.Visible = true;
        }

        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {
            TextBox1.Text = Calendar1.SelectedDate.ToString();
            Calendar1.Visible = true;
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            Label1.Text = "";
            Label2.Text = "";
            Label3.Text = "";
            Label4.Text = "";
            Label5.Text = "";
            TextBox1.Text = "";
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Label1.Text = Calendar1.SelectedDate.ToString();
            Label2.Text = Calendar1.TodaysDate.ToShortDateString();
            Label3.Text = "3-10-2024";
            TimeSpan d1 = new DateTime(2024,10,3) - DateTime.Now;
            Label4.Text = d1.Days.ToString();
            TimeSpan d2 = new DateTime(2024, 12, 31) - DateTime.Now;
            Label5.Text = d2.Days.ToString();
            Label1.Visible = true;
        }
    }
}
```

```

        Label2.Visible = true;
        Label3.Visible = true;
        Label4.Visible = true;
        Label5.Visible = true;
    }
}
}

```

Output:

