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| --- | --- | --- | --- |
| A picture containing drawing, stop, room  Description automatically generated | Advanced Web Programming  Practical #5 | | |
|  |  |  |  |
| **Name** | **Sandeep Jain** | **Roll Number** | **21302C0058** |
| **Subject/Course:** | **Advanced Web Programming** | | |
| **Topic** | **Working with Navigation, Beautification and Master page.** | | |
|  | | | |
| **5. Working with Navigation, Beautification and Master page.** | | | |
| **a) Create Web Form to demonstrate use of Website Navigation controls and Site Map.**  **Code**  **Home file**  **Home.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Home.aspx.cs" Inherits="WebApplication6.WebForm4" %>**  **<!DOCTYPE html>**  **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div><h1>Home</h1>**  **<asp:Menu ID="Menu1" runat="server" DataSourceID="SiteMapDataSource1">**  **</asp:Menu>**  **<asp:SiteMapDataSource ID="SiteMapDataSource1" runat="server" />**  **</div>**  **<asp:TreeView ID="TreeView1" runat="server" DataSourceID="SiteMapDataSource1">**  **</asp:TreeView>**  **<asp:SiteMapPath ID="SiteMapPath1" runat="server">**  **</asp:SiteMapPath>**  **</form>**  **</body>**  **</html>**  **Product file**  **Product.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Product.aspx.cs" Inherits="WebApplication6.WebForm3" %>**  **<!DOCTYPE html>**  **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **<h1>Product</h1>**  **</div>**  **</form>**  **<asp:SiteMapPath ID="SiteMapPath1" runat="server"></asp:SiteMapPath>**  **</body>**  **</html>**  **Order.file**  **Order.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Order.aspx.cs" Inherits="WebApplication6.WebForm2" %>**  **<!DOCTYPE html>**  **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div><h1>**  **Order**  **</h1>**  **</div>**  **</form>**  **<asp:SiteMapPath ID="SiteMapPath1" runat="server"></asp:SiteMapPath>**  **</body>**  **</html>**  **Cart file**  **Cart.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Cart.aspx.cs" Inherits="WebApplication6.WebForm1" %>**  **<!DOCTYPE html>**  **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div><h1>Cart</h1>**  **</div>**  **</form>**  **<asp:sitemappath runat="server"></asp:sitemappath>**  **</body>**  **</html>**  **Sitemap file**  **Web.sitemap**  **<?xml version="1.0" encoding="utf-8" ?>**  **<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >**  **<siteMapNode url="Home.aspx" title="Home" description="This is Home">**  **<siteMapNode url="Product.aspx" title="Product" description="This is Product" />**  **<siteMapNode url="Order.aspx" title="Order" description="This is Order" />**  **<siteMapNode url="Cart.aspx" title="Cart" description="This is Cart" />**  **</siteMapNode>**  **</siteMap>**  **Output** | | | |
| **b) Create a web application to demonstrate use of Master Page with applying Styles and Themes for page beautification.**  **Code**  **Master page**  **MasterPage.Master**  **<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="MaterPage.master.cs" Inherits="WebApplication7.MaterPage" %>**    **<!DOCTYPE html>**    **<html>**  **<head runat="server">**  **<title>**    **</title>**  **<link href="StyleSheet1.css" rel="stylesheet" />**  **<asp:ContentPlaceHolder ID="head" runat="server">**  **</asp:ContentPlaceHolder>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **<h1>TYBScIT Sem V Subject</h1>**  **<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">**  **</asp:ContentPlaceHolder>**  **</div>**  **</form>**  **</body>**  **</html>**  **ContentPage file**  **ContentPage.aspx**  **%@ Page Title="" Language="C#" MasterPageFile="~/MaterPage.Master" AutoEventWireup="true" CodeBehind="ContentPage.aspx.cs" Inherits="WebApplication7.ContentPage" Theme="Skin1"%>** **<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="Software Project managemet"></asp:Label>** **<br />** **<br />** **<asp:Label ID="Label2" runat="server" Text="Internet of things"></asp:Label>** **<br />** **<br />** **<asp:Label ID="Label3" runat="server" Text="Awp" SkinID="LabelSkin"></asp:Label>** **<br />** **<br />** **<asp:Label ID="Label4" runat="server" Text="AI" BorderStyle="None"></asp:Label>** **<br />** **<br />** **<asp:Label ID="Label5" runat="server" Text="NGT"></asp:Label>** **<br />** **<br />** **<asp:Button ID="Button1" runat="server" Text="Show" />** **</asp:Content>**  **Stylesheet1 file**  **StyleSheet.css**  **body {**  **border-style:dashed;**  **background-color:lime;**  **font-family:Arial,Arial, Helvetica, sans-serif;**  **font-size:18px;**  **}**  **Skin file**  **Skin.skin**  **<asp:Label runat="server" ForeColor="red" FontSize="14pt" Font-Names="Verdana" SkinID="LabelSkin"/>** **<asp:Label runat="server" ForeColor="Blue" FontSize="25pt" Font-Names="Verdana"/>** **<asp:button runat="server" Borderstyle="solid" BorderWidth="2px" Bordercolor="Blue" Backcolor="Blue"/>**  **Output**  image | | | |
| **c) Create a web application to demonstrate various states of ASP.NET Pages.**  **Code**  **Webfrom.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication8.WebForm1" Trace="true"%>**    **<!DOCTYPE html>**    **<html xmlns="**[**http://www.w3.org/1999/xhtml">**](http://www.w3.org/1999/xhtml%22%3E) **<head runat="server"> <title></title> </head> <body> <form id="form1" runat="server"> <div>  States of ASP.NET Pages<br />  User Name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox> <asp:Label ID="Label1" runat="server" Text="lblName"></asp:Label> <br />  User ID:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox> <asp:Label ID="Label2" runat="server" Text="lblID"></asp:Label> <br /> <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Get View State Data" /> <br /> <asp:Button ID="Button2" runat="server" Text="Query String Send Values" OnClick="Button2\_Click" /> <br /> <asp:Button ID="Button3" runat="server" Text="Create Cookie &amp;Send Values" OnClick="Button3\_Click" /> <br /> <asp:Button ID="Button4" runat="server" Text="Save in Session" OnClick="Button4\_Click" /> <br /> <asp:Button ID="Button5" runat="server" OnClick="Button5\_Click" Text="Application State :Visitors Count" /> <asp:Label ID="Label3" runat="server" Text="lblCount"></asp:Label> </div> </form> </body> </html>**  **Webfrom.aspx.cs**  **using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;**    **namespace WebApplication8  {  public partial class WebForm1 : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {**    **}**    **protected void TextBox1\_TextChanged(object sender, EventArgs e)  {**    **}**    **protected void Button1\_Click(object sender, EventArgs e)  {  ViewState["Name"] = TextBox1.Text;  Label1.Text = ViewState["Name"].ToString();  ViewState["id"] = TextBox2.Text;  Label2.Text = ViewState["id"].ToString();  }**    **protected void Button5\_Click(object sender, EventArgs e)  {  Label3.Text = Application["CountUser"].ToString();  }**    **protected void Button2\_Click(object sender, EventArgs e)  {  Response.Redirect("ReadQueryString.aspx?name=" + TextBox1.Text + "&ID=" +TextBox2.Text);  }**    **protected void Button4\_Click(object sender, EventArgs e)  {  Session["Name"] = TextBox1.Text;  Session["ID"] = TextBox2.Text;  Response.Redirect("ReadFromSession.aspx");  }**    **protected void Button3\_Click(object sender, EventArgs e)  {  HttpCookie ck = new HttpCookie("ck");  ck.Values.Add("Name", TextBox1.Text);  ck.Values.Add("ID", TextBox2.Text);  Response.Cookies.Add(ck);  Response.Redirect("Cookies2.aspx");  }  }  }**  **ReadfromSession.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ReadFromSession.aspx.cs" Inherits="WebApplication8.ReadFromSession" %>**    **<!DOCTYPE html>**    **<html xmlns="**[**http://www.w3.org/1999/xhtml">**](http://www.w3.org/1999/xhtml%22%3E) **<head runat="server"> <title></title> </head> <body> <form id="form1" runat="server"> <div>  User Name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox> <br />  User ID:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox> <br /> <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Read From Session" /> <br /> </div> </form> </body> </html>**  **ReadFromSession.aspx.cs**  **using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;**    **namespace WebApplication8  {  public partial class ReadQueryString : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {**    **}**    **protected void TextBox1\_TextChanged(object sender, EventArgs e)  {**    **}**    **protected void Button1\_Click(object sender, EventArgs e)  {  TextBox1.Text = Request.QueryString["Name"].ToString();  TextBox2.Text = Request.QueryString["ID"].ToString();  }  }  }**  **ReadQueryString.aspx**  **using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;**    **namespace WebApplication8  {  public partial class ReadQueryString : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {**    **}**    **protected void TextBox1\_TextChanged(object sender, EventArgs e)  {**    **}**    **protected void Button1\_Click(object sender, EventArgs e)  {  TextBox1.Text = Request.QueryString["Name"].ToString();  TextBox2.Text = Request.QueryString["ID"].ToString();  }  }  }**  **ReadQureyString.aspx.cs**  **using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;**    **namespace WebApplication8  {  public partial class ReadQueryString : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {**    **}**    **protected void TextBox1\_TextChanged(object sender, EventArgs e)  {**    **}**    **protected void Button1\_Click(object sender, EventArgs e)  {  TextBox1.Text = Request.QueryString["Name"].ToString();  TextBox2.Text = Request.QueryString["ID"].ToString();  }  }  }**  **Cookies.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Cookies2.aspx.cs" Inherits="WebApplication8.Cookies2" %>**    **<!DOCTYPE html>**    **<html xmlns="**[**http://www.w3.org/1999/xhtml">**](http://www.w3.org/1999/xhtml%22%3E) **<head runat="server"> <title></title> </head> <body> <form id="form1" runat="server"> <div>  User Name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox> <br />  User ID:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox> <br /> <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Show Cookie Values" /> </div> </form> </body> </html>**  **Cookies.aspx.cs**  **using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;**    **namespace WebApplication8  {  public partial class Cookies2 : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {**    **}**    **protected void Button1\_Click(object sender, EventArgs e)  {  HttpCookie ckk = Request.Cookies["ck"];  TextBox1.Text = ckk.Values["Name"].ToString();  TextBox2.Text = ckk.Values["ID"].ToString();  }  }  }**  **Global.asax**  **using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.Security;  using System.Web.SessionState;**    **namespace WebApplication8  {  public class Global : System.Web.HttpApplication  {**    **protected void Application\_Start(object sender, EventArgs e)  {  Application["CountUser"] = 0;  }**    **protected void Session\_Start(object sender, EventArgs e)  {  Application.Lock();  Application["CountUser"] = (int)Application["CountUser"] + 1;  Application.UnLock();  }**    **protected void Application\_BeginRequest(object sender, EventArgs e)  {**    **}**    **protected void Application\_AuthenticateRequest(object sender, EventArgs e)  {**    **}**    **protected void Application\_Error(object sender, EventArgs e)  {**    **}**    **protected void Session\_End(object sender, EventArgs e)  {  Application.Lock();  Application["CountUser"] = (int)Application["CountUser"] - 1;  Application.UnLock();  }**    **protected void Application\_End(object sender, EventArgs e)  {**    **}  }  }**  **Output**  imageimage  image  image  image  image  image | | | |