

AIM:Design Web Applications using Client Side Session Management.

A) WAP to implement Client side state management techniques and Server side state management techniques on the form design attached with the assignment.

SERVER SIDE MANAGEMENT:

SOURCE CODE:

SM.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="SM2.aspx.cs" Inherits="SM2" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Name: <asp:Label ID="name" runat="server"></asp:Label>
            <br />
            Age: <asp:Label ID="age" runat="server"></asp:Label>
            <br />
            Branch: <asp:Label ID="branch" runat="server"></asp:Label>
            <br />
        </div>
    </form>
</body>
</html>
```

SM.aspx.cs:

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

public partial class SM2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
```

```
{
    if (Session["name"] != null)
    {
        name.Text = Session["name"].ToString();
    }
    if (Session["age"] != null)
    {
        age.Text = Session["age"].ToString();
    }
    if (Session["branch"] != null)
    {
        branch.Text = Session["branch"].ToString();
    }
}
}
```

SM2.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="SM2.aspx.cs" Inherits="SM2" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Name: <asp:Label ID="name" runat="server"></asp:Label>
            <br />
            Age: <asp:Label ID="age" runat="server"></asp:Label>
            <br />
            Branch: <asp:Label ID="branch" runat="server"></asp:Label>
            <br />
        </div>
    </form>
</body>
</html>
```

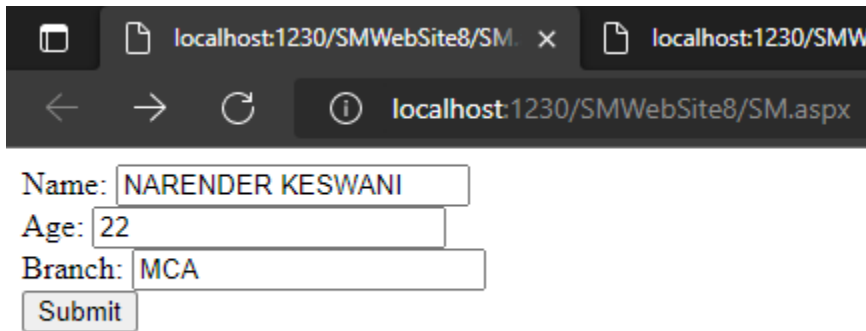
SM2.aspx.cs:

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

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

public partial class SM2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (Session["name"] != null)
        {
            name.Text = Session["name"].ToString();
        }
        if (Session["age"] != null)
        {
            age.Text = Session["age"].ToString();
        }
        if (Session["branch"] != null)
        {
            branch.Text = Session["branch"].ToString();
        }
    }
}
```

OUTPUT:



localhost:1230/SMWebSite8/SM.aspx

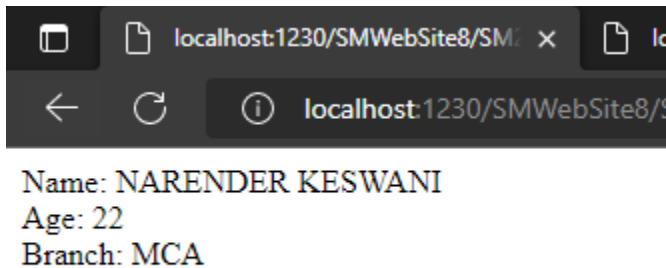
localhost:1230/SMWebSite8/SM.aspx

Name: NARENDER KESWANI

Age: 22

Branch: MCA

Submit



localhost:1230/SMWebSite8/SM.aspx

localhost:1230/SMWebSite8/SM.aspx

Name: NARENDER KESWANI

Age: 22

Branch: MCA

CLIENT SIDE MANAGEMENT:

SOURCE CODE:

Cookie.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Cookie.aspx.cs" Inherits="Cookie" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Name: <asp:TextBox ID="name" runat="server"></asp:TextBox>
            <br />
            Age: <asp:TextBox ID="age" runat="server"></asp:TextBox>
            <br />
            Branch: <asp:TextBox ID="branch" runat="server"></asp:TextBox>
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
        </div>
    </form>
</body>
</html>
```

Cookie.aspx.cs:

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

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

    }

    protected void Button1_Click(object sender, EventArgs e)
```

```
{  
    HttpCookie userInfo = new HttpCookie("userInfo");  
    userInfo["name"] = name.Text;  
    userInfo["age"] = age.Text;  
    userInfo["branch"] = branch.Text;  
    Response.Cookies.Add(userInfo);  
    Response.Redirect("C2.aspx");  
}  
  
}
```

C2.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="C2.aspx.cs" Inherits="C2" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

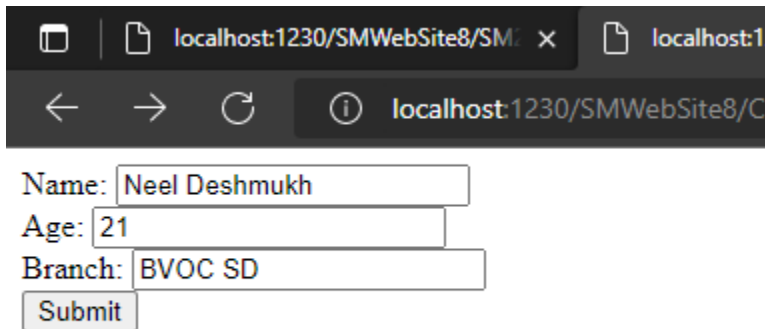
```
<html xmlns="http://www.w3.org/1999/xhtml">  
<head runat="server">  
    <title></title>  
</head>  
<body>  
    <form id="form1" runat="server">  
        <div>  
            Name: <asp:Label ID="name" runat="server"></asp:Label>  
            <br />  
            Age: <asp:Label ID="age" runat="server"></asp:Label>  
            <br />  
            Branch: <asp:Label ID="branch" runat="server"></asp:Label>  
            <br />  
        </div>  
    </form>  
</body>  
</html>
```

C2.aspx.cs:

```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Web;  
using System.Web.UI;  
using System.Web.UI.WebControls;  
  
public partial class C2 : System.Web.UI.Page  
{
```

```
protected void Page_Load(object sender, EventArgs e)
{
    HttpCookie reqCookies = Request.Cookies["userInfo"];
    if (reqCookies != null)
    {
        name.Text = reqCookies["name"].ToString();
        age.Text = reqCookies["age"].ToString();
        branch.Text = reqCookies["branch"].ToString();
    }
}
```

OUTPUT:

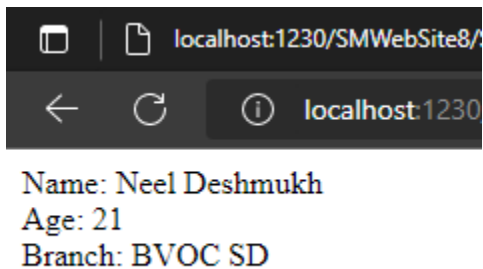


localhost:1230/SMWebSite8/SM

Name:

Age:

Branch:



localhost:1230/SMWebSite8/

Name: Neel Deshmukh

Age: 21

Branch: BVOC SD

CONCLUSION:

From this practical, I have learned and implemented client & server side session management.