Practical no.7

Creating application with caching

Q. Creating a web application to Demonstrate application with caching.

Movieticket.aspx

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

<!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="lblmovie" runat="server" Height="50px" Text="Movie Ticket
Booking" Width="250px"></asp:Label>
        </div>
        <br />
        <br />
        <br />
        <asp:ListBox ID="ListBox1" runat="server"
OnSelectedIndexChanged="ListBox1_SelectedIndexChanged">
            <asp:ListItem>IMAX</asp:ListItem>
            <asp:ListItem>PVR</asp:ListItem>
            <asp:ListItem>MOVIEMAX</asp:ListItem>
        </asp:ListBox>
    
        <br />
        <asp:LinkButton ID="Linkbtnok" runat="server"
OnClick="Linkbtnok_Click">OK!!!!!!!</asp:LinkButton>
    </form>
</body>
</html>
```

Response_movie1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Response_movie1.aspx.cs"
Inherits="cachingpractical.Response_movie1" %>
```

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Table ID="Table1" runat="server">
            </asp:Table>
        </div>
    </form>
</body>
</html>
```

Movieticket.aspx.cs

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

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

        }

        protected void ListBox1_SelectedIndexChanged(object sender, EventArgs e)
        {

        }

        protected void Linkbtnok_Click(object sender, EventArgs e)
        {
            Session["Theatre"] = ListBox1.Text;
            Response.Redirect("Response_movie1.aspx");
        }
    }
}
```

Response_movie1.aspx.cs

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

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

namespace cachingpractical
{
    public partial class Response_movie1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            string th;
            TableCell c1 = new TableCell();
            TableCell c2 = new TableCell();
            TableCell c3 = new TableCell();
            TableCell c4 = new TableCell();
            TableCell c5 = new TableCell();
            TableCell c6 = new TableCell();
            TableCell c7 = new TableCell();
            TableCell c8 = new TableCell();

            TableRow r1 = new TableRow();
            TableRow r2 = new TableRow();
            c1.Text = "Show Timings";
            c2.Text = "9:00 AM";
            c3.Text = "12:00 PM";
            c4.Text = "5:00 PM";

            Table1.Controls.Add(r1);
            r1.Controls.Add(c1);
            r1.Controls.Add(c2);
            r1.Controls.Add(c3);
            r1.Controls.Add(c4);

            c5.Text = "Movie Name";
            c6.Text = "ABC";
            c7.Text = "PQR";
            c8.Text = "XYZ";

            Table1.Controls.Add(r2);
            r2.Controls.Add(c5);
            r2.Controls.Add(c6);
            r2.Controls.Add(c7);
            r2.Controls.Add(c8);

            th = Convert.ToString(Session["Theatre"]);
            if(th == "IMAX")
            {
                if (Cache["IMAX"]==null)
                {
                    Cache.Insert("IMAX", Table1, null, DateTime.Now.AddSeconds(30),
TimeSpan.Zero);
                }
                else
                {
                    Response.Write("Reading From Cache");
                }
            }
```

```csharp
            if (th == "PVR")
            {
                if (Cache["PVR"] == null)
                {
                    Cache.Insert("PVR", Table1, null, DateTime.Now.AddSeconds(30),
TimeSpan.Zero);
                }
                else
                {
                    Response.Write("Reading From Cache");
                }
            }

            if (th == "MOVIEMAX")
            {
                if (Cache["MOVIEMAX"] == null)
                {
                    Cache.Insert("MOVIEMAX", Table1, null, DateTime.Now.AddSeconds(30),
TimeSpan.Zero);
                }
                else
                {
                    Response.Write("Reading From Cache");
                }
            }


        }
    }
}
```