LAB 8

Create a master page and content page application for the university which enables user to see the faculty list according to department.

HTML CODE:

MasterPage.master File:

```
<%@MasterLanguage="C#"AutoEventWireup="true"CodeFile="MasterPage.master.cs"Inherits="MasterPage"%>

<!DOCTYPEhtml>

<htmlxmlns="http://www.w3.org/1999/xhtml">
<headrunat="server">
<title>Untitled Page</title>
<asp:ContentPlaceHolderid="head"runat="server">
</asp:ContentPlaceHolder>
</head>
<body>
<formid="form1"runat="server">
<div>
<tableborder="1"style="width:700px; height:500px;">
<tr>
<tdcolspan="2"style="text-align:center">DDU University</td>
</tr>
<tr>
<td>
<table>
<tr>
<td><asp:HyperLinkID="HyperLink1"runat="server"NavigateUrl="~/Default.aspx">IT
DEPARTMENT</asp:HyperLink></td>
</tr>
<tr>
<td><asp:HyperLinkID="HyperLink2"runat="server"NavigateUrl="~/Default2.aspx">CE
DEPARTMENT</asp:HyperLink></td>
</tr>
<tr>
<td><asp:HyperLinkID="HyperLink3"runat="server"NavigateUrl="~/Default3.aspx">EC
DEPARTMENT</asp:HyperLink></td>
</tr>
</table>
</td>
<tdstyle="width:522px">
<asp:ContentPlaceHolderID="ContentPlaceHolder1"runat="server">
```

```
<pstyle="text-align:center">
                    To see faculty list click on link beside<br/>
</p>
</asp:ContentPlaceHolder>
</td>
</tr>
<tr>
<tdcolspan="2"style="text-align:center">COPYRIGHT OF@ DDU</td>
</tr>
</table>
</div>
</form>
</body>
</html>
```

Default.aspx File:

```
<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="_D
efault"MasterPageFile="~/MasterPage.master"%>

<asp:ContentID="Content1"ContentPlaceHolderID="head"runat="server"></asp:Content>
<asp:ContentID="Content2"ContentPlaceHolderID="ContentPlaceHolder1"runat="server">
<p>
Faculty:<br/>
<br/>
      ADD Sir<br/>
      RAV Sir<br/>
      MMG Sir<br/>
      SRS Sir<br/>
      NPD Ma'am<br/>
      ANV Ma'am<br/>
</p>
</asp:Content>
```

Default2.aspx File:

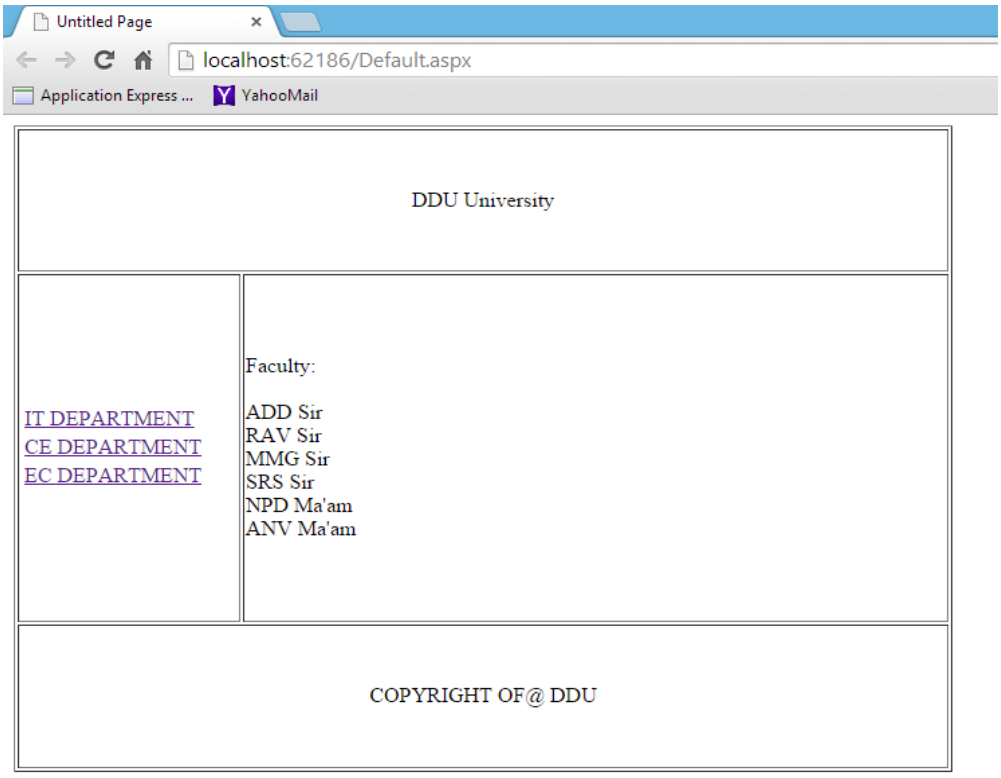
```
<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default2.aspx.cs"Inherits="D
efault2"MasterPageFile="~/MasterPage.master"%>

<asp:ContentID="Content1"ContentPlaceHolderID="head"runat="server"></asp:Content>
<asp:ContentID="Content2"ContentPlaceHolderID="ContentPlaceHolder1"runat="server">
<p>
Faculty:<br/>
<br/>
      TVR Sir<br/>
      JSB Sir<br/>
      PRD Sir<br/>
      SSS Ma'am<br/>
```

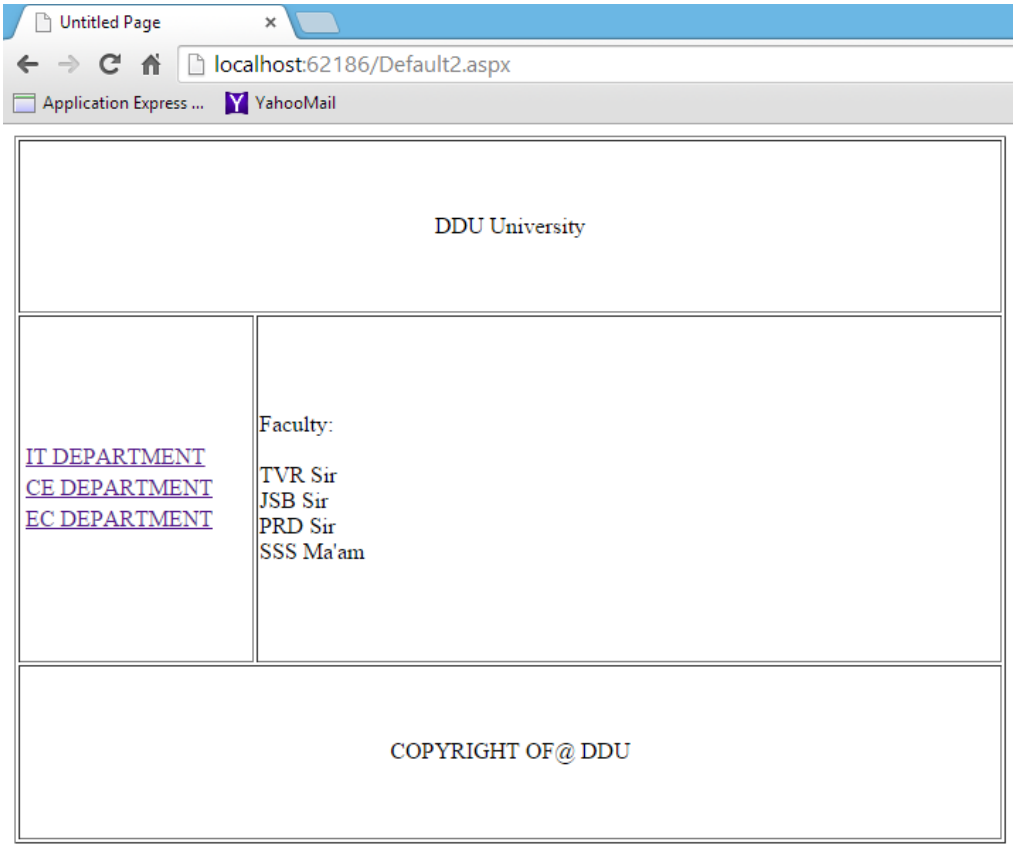
```
</p>
</asp:Content>
```

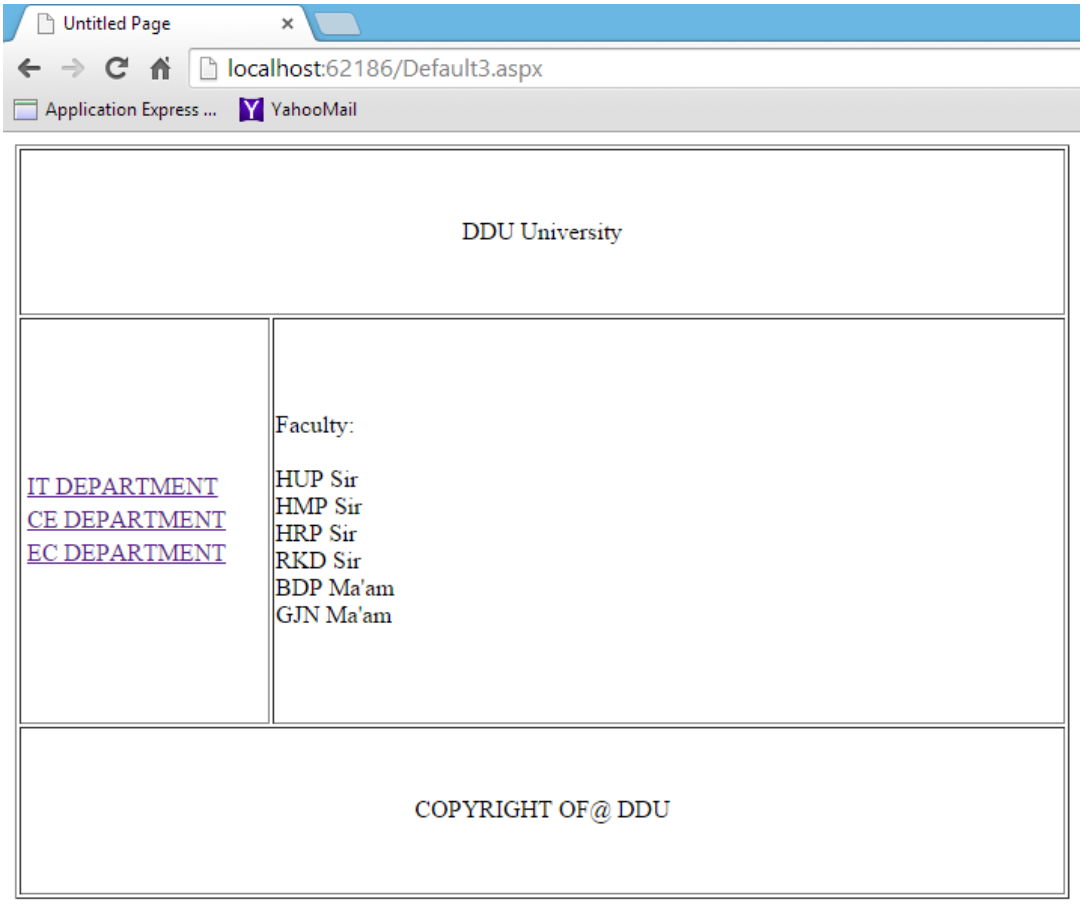
Default3.aspx File:

```
<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default3.aspx.cs"Inherits="Default3"MasterPageFile="~/MasterPage.master"%>

<asp:ContentID="Content1"ContentPlaceHolderID="head"runat="server"></asp:Content>
<asp:ContentID="Content2"ContentPlaceHolderID="ContentPlaceHolder1"runat="server">
<p>
Faculty:<br/>
<br/>
        HUP Sir<br/>
        HMP Sir<br/>
        HRP Sir<br/>
        RKD Sir<br/>
        BDP Ma'am<br/>
        GJN Ma'am<br/>
</p>
</asp:Content>
```

Output:




Untitled Page
localhost:62186/Default2.aspx
Application Express ...
YahooMail
DDU University
IT DEPARTMENT
CE DEPARTMENT
EC DEPARTMENT
Faculty:
TVR Sir
JSB Sir
PRD Sir
SSS Ma'am
COPYRIGHT OF@ DDU


Untitled Page
localhost:62186/Default3.aspx
Application Express ...
YahooMail
DDU University
IT DEPARTMENT
CE DEPARTMENT
EC DEPARTMENT
Faculty:
HUP Sir
HMP Sir
HRP Sir
RKD Sir
BDP Ma'am
GJN Ma'am
COPYRIGHT OF@ DDU

Lab 9

Create an application in which user has to display records in the Grid View Control from Table created in access data base. (With the Help Of Oledb Classes or Access Data Source Control).

Html code:

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
    <div style="height: 251px">

        <br />
        <br />

    </div>

        <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" BackColor="White" BorderColor="#DEDFDE" BorderStyle="None" BorderWidth="1px" CellPadding="4" DataKeyNames="Id" DataSourceID="SqlDataSource1" ForeColor="Black" GridLines="Vertical">
            <AlternatingRowStyle BackColor="White" />
            <Columns>
                <asp:CommandField ShowDeleteButton="True" ShowEditButton="True" ShowSelectButton="True" />
                <asp:BoundField DataField="Id" HeaderText="Id" ReadOnly="True" SortExpression="Id" />
                <asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name" />
                <asp:BoundField DataField="Salary" HeaderText="Salary" SortExpression="Salary" />
            </Columns>
            <FooterStyle BackColor="#CCCC99" />
            <HeaderStyle BackColor="#6B696B" Font-Bold="True" ForeColor="White" />
            <PagerStyle BackColor="#F7F7DE" ForeColor="Black" HorizontalAlign="Right" />
            <RowStyle BackColor="#F7F7DE" />
            <SelectedRowStyle BackColor="#CE5D5A" Font-Bold="True" ForeColor="White" />
            <SortedAscendingCellStyle BackColor="#FBFBF2" />
```

```
            <SortedAscendingHeaderStyle BackColor="#848384" />
            <SortedDescendingCellStyle BackColor="#EAEAD3" />
            <SortedDescendingHeaderStyle BackColor="#575357" />
        </asp:GridView>

        <asp:DetailsView ID="DetailsView1" runat="server" AutoGenerateRows="False"
DataKeyNames="Id" DataSourceID="SqlDataSource1" Height="50px" Width="125px">
            <Fields>
                <asp:BoundField DataField="Id" HeaderText="Id" ReadOnly="True"
SortExpression="Id" />
                <asp:BoundField DataField="Name" HeaderText="Name"
SortExpression="Name" />
                <asp:BoundField DataField="Salary" HeaderText="Salary"
SortExpression="Salary" />
                <asp:CommandField ShowDeleteButton="True" ShowEditButton="True"
ShowInsertButton="True" />
            </Fields>
        </asp:DetailsView>
        <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:ConnectionString %>" DeleteCommand="DELETE FROM [Table]
WHERE [Id] = @Id" InsertCommand="INSERT INTO [Table] ([Id], [Name], [Salary])
VALUES (@Id, @Name, @Salary)" SelectCommand="SELECT * FROM [Table]"
UpdateCommand="UPDATE [Table] SET [Name] = @Name, [Salary] = @Salary WHERE
[Id] = @Id">
            <DeleteParameters>
                <asp:Parameter Name="Id" Type="Int32" />
            </DeleteParameters>
            <InsertParameters>
                <asp:Parameter Name="Id" Type="Int32" />
                <asp:Parameter Name="Name" Type="String" />
                <asp:Parameter Name="Salary" Type="String" />
            </InsertParameters>
            <UpdateParameters>
                <asp:Parameter Name="Name" Type="String" />
                <asp:Parameter Name="Salary" Type="String" />
                <asp:Parameter Name="Id" Type="Int32" />
            </UpdateParameters>
        </asp:SqlDataSource>
        <br />
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
    </form>
</body>
</html>
```

CODE:

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

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

   }
   protected void Button1_Click(object sender, EventArgs e)
   {
      int a=Convert.ToInt32(GridView1.SelectedIndex.ToString());
      a++;
      string s=GridView1.SelectedRowStyle.ToString();

      Response.Write("Id is:"+a+" string is"+s);
   }
}
```

Output:

	Id	Name	Salary
Edit Delete Select	1	Drashti	50000
Edit Delete Select	2	Srushti	20000
Edit Delete Select	3	aastha	200
Edit Delete Select	4	neha	1999

Id	1
Name	Drashti
Salary	50000
Edit Delete New	

Button

	Id	Name	Salary
Edit Delete Select	1	Drashti	50000
Edit Delete Select	2	Srushti	20000
Edit Delete Select	**3**	**aastha**	**200**

Id	1
Name	Drashti
Salary	50000
Edit Delete New	

Button

Id is:2 string isSystem.Web.UI.WebControls.TableItemStyle

	Id	Name	Salary
Edit Delete Select	1	Drashti	50000
Edit Delete Select	**2**	**Srushti**	**20000**
Edit Delete Select	3	aastha	200

Id	1
Name	Drashti
Salary	50000
Edit Delete New	

Button

Lab 10

Create the Sign In, Sign Up and Update Application.

HTML CODE:

Signup.aspx

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

<!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" style="z-index: 1; left: 10px; top: 15px; position: absolute"
Text="UserName"></asp:Label>
        <asp:TextBox ID="TextBox1" runat="server" style="z-index: 1; left: 97px; top: 16px; position:
absolute"></asp:TextBox>
        <asp:TextBox ID="TextBox2" runat="server" style="z-index: 1; left: 96px; top: 55px; position:
absolute"></asp:TextBox>
        <asp:TextBox ID="TextBox3" runat="server" style="z-index: 1; left: 144px; top: 93px; position:
absolute"></asp:TextBox>
        <asp:TextBox ID="TextBox4" runat="server" style="z-index: 1; left: 141px; top: 134px; position:
absolute"></asp:TextBox>
        <asp:Label ID="Label2" runat="server" style="z-index: 1; left: 15px; top: 51px; position: absolute"
Text="Password"></asp:Label>

    </div>
        <asp:Label ID="Label3" runat="server" style="z-index: 1; left: 14px; top: 92px; position: absolute"
Text="Conform Password"></asp:Label>
        <asp:Label ID="Label4" runat="server" style="z-index: 1; left: 19px; top: 132px; position: absolute"
Text="City"></asp:Label>
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" style="z-index: 1; left: 71px; top: 193px;
position: absolute" Text="SignUp" />
        <asp:CompareValidator ID="CompareValidator1" runat="server" ControlToCompare="TextBox2"
ControlToValidate="TextBox3" ErrorMessage="Not Matched" style="z-index: 1; left: 290px; top: 96px; position:
absolute"></asp:CompareValidator>
    </form>
</body>
</html>
```

Login.aspx

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

<!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" style="z-index: 1; left: 8px; top: 43px; position: absolute"
Text="UserName"></asp:Label>
        <asp:Label ID="Label2" runat="server" style="z-index: 1; left: 11px; top: 74px; position: absolute"
Text="Password"></asp:Label>
        <asp:TextBox ID="TextBox1" runat="server" style="z-index: 1; left: 101px; top: 39px; position:
absolute"></asp:TextBox>
        <asp:TextBox ID="TextBox2" runat="server" style="z-index: 1; left: 99px; top: 74px; position:
absolute"></asp:TextBox>

    </div>
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" style="z-index: 1; left: 54px; top: 118px;
position: absolute" Text="Login" />
    </form>
</body>
</html>
```

Profile.aspx

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

<!DOCTYPE html>

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

    </div>
        <asp:GridView ID="GridView1" runat="server" style="z-index: 1; left: 10px; top: 34px; position: absolute;
height: 133px; width: 187px">
        </asp:GridView>
    </form>
</body>
</html>
```

CODE:

Signup.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.SqlClient;

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

   }
   protected void Button1_Click(object sender, EventArgs e)
   {
      SqlConnection cn = new SqlConnection(@"Data
Source=(LocalDB)\v11.0;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True");
      SqlCommand cm = new SqlCommand("insert into [UserData] values('" + TextBox1.Text + "','" + TextBox2.Text
+ "','" + TextBox4.Text + "')", cn);
      cn.Open();
      int i = cm.ExecuteNonQuery();
      cn.Close();

      if (i == 1) { Response.Redirect("Login.aspx"); }
      else { Response.Write("Error"); }
   }
}
```

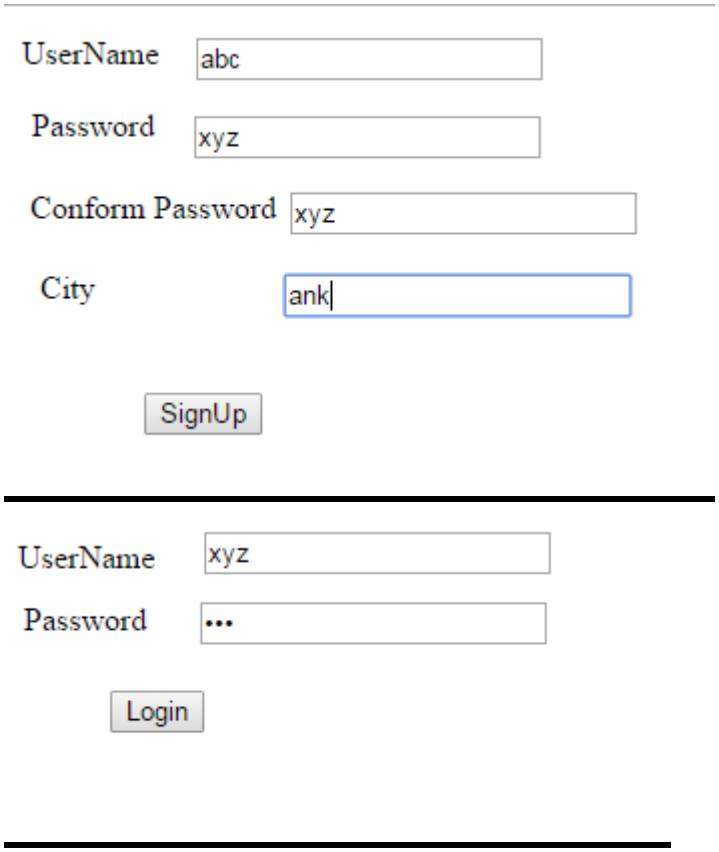
Login.aspx.cs

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

public partial class Session_Cache_Login : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
   {
      TextBox2.TextMode = TextBoxMode.Password;
   }
   protected void Button1_Click(object sender, EventArgs e)
   {
      SqlConnection cn = new SqlConnection(@"Data
Source=(LocalDB)\v11.0;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True");
      SqlCommand cm = new SqlCommand("select Password from [UserData] where UserId="+TextBox1.Text, cn);
      SqlDataAdapter da = new SqlDataAdapter(cm);
      DataTable ds = new DataTable("T1");
      cn.Open();
      cm.ExecuteNonQuery();
      da.Fill(ds);
      //da.Fill(ds, "T1");
      cn.Close();
      //Response.Write(ds.Rows[0][0].ToString());
      if (ds.Rows[0][0].ToString() == TextBox2.Text) { Session["id"] = TextBox1.Text;
Response.Redirect("Profile.aspx"); }
      else { Response.Write("Check Password or UserName"); }


   }
}
```

Profile.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.SqlClient;
using System.Data;

public partial class Session_Cache_Profile : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        String s = Session["id"].ToString();
        //Response.Write(s.ToString());
        SqlConnection cn = new SqlConnection(@"Data
Source=(LocalDB)\v11.0;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True");
        SqlCommand cm = new SqlCommand("select * from [UserData] where UserId="+s.ToString(),cn);

        SqlDataAdapter da = new SqlDataAdapter(cm);
        DataTable ds = new DataTable();

        cn.Open();

        cm.ExecuteNonQuery();
        da.Fill(ds);

        cn.Close();

        GridView1.DataSource = ds;
        GridView1.DataBind();
    }
}
```

OUTPUT:


UserName
abc
Password
xyz
Conform Password
xyz
City
ank
SignUp
UserName
xyz
Password
•••
Login

LAB 11

Create Application in which user is able to Submit his Profile with help of the Wizard and Multi View Control.

HTML CODE:

Wizard.aspx

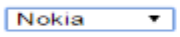
```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="MultiView_Wizards_Default" %>

<!DOCTYPE html>

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

      <asp:Wizard ID="Wizard1" runat="server" style="z-index: 1; left: 10px; top: 15px; position: absolute; height:
423px; width: 260px" ActiveStepIndex="0" DisplaySideBar="False"
OnNextButtonClick="Wizard1_NextButtonClick">
         <WizardSteps>
            <asp:WizardStep runat="server" StepType="Start" Title="Phone Detail">
               <asp:DropDownList ID="DropDownList1" runat="server">
                  <asp:ListItem>Nokia</asp:ListItem>
                  <asp:ListItem>Samsung</asp:ListItem>
                  <asp:ListItem>Micromax</asp:ListItem>
               </asp:DropDownList>
            </asp:WizardStep>
            <asp:WizardStep runat="server" StepType="Step" Title="Address Detail">
               <asp:TextBox ID="TextBox1" runat="server" TextMode="MultiLine"></asp:TextBox>
            </asp:WizardStep>
            <asp:WizardStep runat="server" StepType="Step" Title="Bank Detail">
               <asp:RadioButtonList ID="RadioButtonList1" runat="server">
                  <asp:ListItem>HDFC</asp:ListItem>
                  <asp:ListItem>BOB</asp:ListItem>
                  <asp:ListItem>SBI</asp:ListItem>
               </asp:RadioButtonList>
            </asp:WizardStep>
            <asp:WizardStep runat="server" StepType="Finish" Title="Display Order">
               <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label><br />
               <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label><br />
               <asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>
            </asp:WizardStep>
            <asp:WizardStep runat="server" StepType="Complete" Title="Thankyou">
            </asp:WizardStep>
         </WizardSteps>
      </asp:Wizard>

   </div>
   </form>
```

```
</body>
</html>
```

Wizard.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 MultiView_Wizards_Default : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
   {
      Wizard1.ActiveStepIndex = 0;
   }
   protected void Wizard1_NextButtonClick(object sender, WizardNavigationEventArgs e)
   {
      if (e.CurrentStepIndex == 1)
      {
         if (TextBox1.Text == "")
         {
            e.Cancel = true;

         }
      }
      if (e.CurrentStepIndex == 2)
      {
         Label1.Text = DropDownList1.SelectedItem.Text;
         Label2.Text = TextBox1.Text;
         Label3.Text = RadioButtonList1.SelectedItem.Text;
      }

   }
}
```

OUTPUT:



wjqwfnqlm

Previous Next

Multiview.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default2.aspx.cs" Inherits="Wizards_Default2" %>

<!DOCTYPE html>

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

        <asp:MultiView ID="MultiView1" runat="server"
OnActiveViewChanged="MultiView1_ActiveViewChanged">
            <asp:View ID="View1" runat="server">
                <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
                <asp:Button ID="Button1" runat="server" Text="Button" OnClick="Button1_Click" />
            </asp:View>
            <asp:View ID="View2" runat="server">
                <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
                <asp:Button ID="Button2" runat="server" Text="Button" OnClick="Button2_Click" />
            </asp:View>
        </asp:MultiView>

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

Multiview.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 Wizards_Default2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        //if (!IsPostBack)
        { MultiView1.SetActiveView(View2); }
```

```
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        Label1.Text = TextBox1.Text;
        MultiView1.SetActiveView(View2);
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        MultiView1.SetActiveView(View1);
    }
    protected void MultiView1_ActiveViewChanged(object sender, EventArgs e)
    {

    }
}
```

OUTPUT:

View 1:

View 2:

LAB 13

Create cache application in which, there should be implementation of File-based dependency, key-based dependency, and Time-based dependency.

Cache.xml:

```
<?xmlversion="1.0" encoding="utf-8" ?>
<address>
<add1>
<nm>kdj</nm>
<add>naid</add>
<pno>123</pno>
</add1>
<add1>
<nm>kkkk</nm>
<add>nad</add>
<pno>555</pno>
</add1>
<add1>
<nm>kkkk</nm>
<add>nad</add>
<pno>555</pno>
</add1>
<add1>
<nm>kkkk</nm>
<add>nad</add>
<pno>555</pno>
</add1>
</address>
```

(1) File-based Dependency:

HTML CODE:

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="CacheFileDepTest.aspx.cs"
Inherits="CacheFileDepTest" %>
<!DOCTYPEhtml 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>Untitled Page</title>
```

```
<script language="javascript" type="text/javascript">
<!--
functionSubmit1_onclick() {
}
// -->
</script>
</head>
<body>
<form id="form1" runat="server">
<div>
<asp:LabelID="mylabel1" runat="server" Style="z-index: 100; left: 31px;
position: absolute;
top: 26px"></asp:Label>
<input id="Submit1" runat="server" name="Submit1" onserverclick="Create"
style="z-index: 102;
left: 23px; position: absolute; top: 152px" type="submit" value="Create
Cache" onclick="return Submit1_onclick()" />
<input id="Submit2" runat="server" name="Submit2" onserverclick="Display"
style="z-index: 103;
left: 168px; position: absolute; top: 150px" type="submit" value="Display
Cache" />
<input id="Submit3" runat="server" name="Submit3" onserverclick="Change"
style="z-index: 104;
left: 314px; position: absolute; top: 151px" type="submit" value="Change
Cache" />
<asp:GridViewID="gv" runat="server" Style="z-index: 105; left: 185px; position:
absolute;
top: 224px">
</asp:GridView>
</div>
</form>
</body>
</html>
```

CODE:

```
usingSystem;
usingSystem.Data;
usingSystem.Configuration;
usingSystem.Collections;
usingSystem.Web;
usingSystem.Web.Security;
usingSystem.Web.UI;
usingSystem.Web.UI.WebControls;
usingSystem.Web.UI.WebControls.WebParts;
usingSystem.Web.UI.HtmlControls;
usingSystem.Web.Caching;
public partial class CacheFileDepTest: System.Web.UI.Page
{
```

```
protected void Page_Load(object sender, EventArgse)
{
}
protected void Create(object sender, EventArgse)
{
DataSetds = new DataSet();
ds.ReadXml("D:\\6TH SEM\\SEM 6[VI]\\WT\\WT\\wt ex\\3RD
INTERNAL\\cache\\cache.xml");
CacheDependencyfiledep = new CacheDependency("D:\\6TH SEM\\SEM
6[VI]\\WT\\WT\\wt
ex\\3RD INTERNAL\\cache\\cache.xml");
Cache.Insert("add",ds, filedep);
mylabel1.Text = "cache full";
}
protected void Display(object sender, EventArgse)
{
DataSetds1 = new DataSet();
if(Cache["add"] == null)
{
gv.DataSource = null;
gv.DataBind();
mylabel1.Text = "cache empty";
}
else
{
ds1 = (DataSet)Cache["add"];
gv.DataSource = ds1;
gv.DataBind();
}
}
protected void Change(object sender, EventArgse)
{
Cache.Remove("add");
mylabel1.Text = "cache removed";
}
}
```

(2) Key-based Dependency:

HTML CODE:

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="CacheKeyDepTest.aspx.cs"
Inherits="_Default" %>
<!DOCTYPEhtml 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>Untitled Page</title>
```

```
</head>
<body>
<form id="form1" runat="server">
<div>
<div>
<asp:LabelID="mylabel1" runat="server" Style="z-index: 100; left: 66px;
position: absolute;
top: 20px"></asp:Label>
<br/>
<input id="Submit1" runat="server" name="Submit1" onserverclick="Create"
style="z-index: 102;
left: 21px; position: absolute; top: 126px" type="submit" value="Create
Cache" />
<input id="Submit2" runat="server" name="Submit2" onserverclick="Display"
style="z-index: 103;
left: 181px; position: absolute; top: 125px" type="submit" value="Display
Cache" />
<input id="Submit3" runat="server" name="Submit3" onserverclick="Change"
style="z-index: 104;
left: 354px; position: absolute; top: 122px" type="submit" value="Change
Cache" />
</div>
</div>
</form>
</body>
</html>
```

CODE:

```
usingSystem;
usingSystem.Data;
usingSystem.Configuration;
usingSystem.Web;
usingSystem.Web.Security;
usingSystem.Web.UI;
usingSystem.Web.UI.WebControls;
usingSystem.Web.UI.WebControls.WebParts;
usingSystem.Web.UI.HtmlControls;
usingSystem.Web.Caching;
public partial class _Default : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgse)
{
}
protected void Create(object sender, EventArgse)
{
Cache["address"] = "ddu";
Cache["add1"] = "nadiad";
```

```
string[] keydep;
keydep = new string[2];
keydep[0] = "address";
keydep[1] = "add1";
CacheDependencykeydependency = new CacheDependency(null, keydep);
Cache.Insert("phone","1123", keydependency);
mylabel1.Text = "Cache Full";
}
protected void Display(object sender, EventArgse)
{
if(Cache["phone"] == null)
{
mylabel1.Text = "Cache Empty";
}
else
{
mylabel1.Text = "Address:" + Cache["address"] + "<br>" + Cache["add1"] + "
<br>Phone: " + Cache["phone"];
}
}
protected void Change(object sender, EventArgse)
{
Cache.Remove("address");
Response.Write(Cache["phone"]+"k");
mylabel1.Text = "Address removed";
}
}
```

(3) Time-based Dependency:

HTML CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="TimespanDep.aspx.cs"
Inherits="TimespanDep" %>
<!DOCTYPEhtml 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>Untitled Page</title>
<script language="javascript" type="text/javascript">
// <![CDATA[
functionSubmit1_onclick() {
}
// ]]>
</script>
</head>
<body>
<form id="form1" runat="server">
```

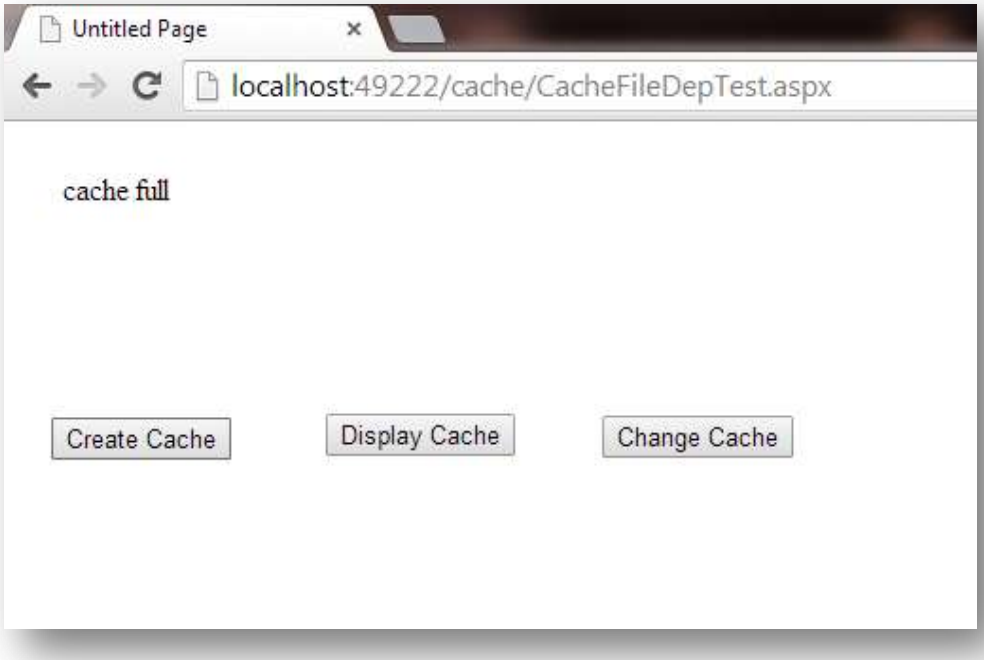
```
<div>
<asp:LabelID="mylabel1" runat="server" Style="z-index: 100; left: 62px;
position: absolute;
top: 24px"></asp:Label>
<input id="Submit1" runat="server" name="Submit1" onserverclick="Create"
style="z-index: 102;
left: 50px; position: absolute; top: 99px" type="submit" value="Create Cache"
onclick="return Submit1_onclick()" />
<input id="Submit2" runat="server" name="Submit2" onserverclick="Display"
style="z-index: 103;
left: 238px; position: absolute; top: 102px" type="submit" value="Display
Cache" />
<asp:GridViewID="gv" runat="server" Style="z-index: 104; left: 66px; position:
absolute;
top: 171px">
</asp:GridView>
</div>
</form>
</body>
</html>
```

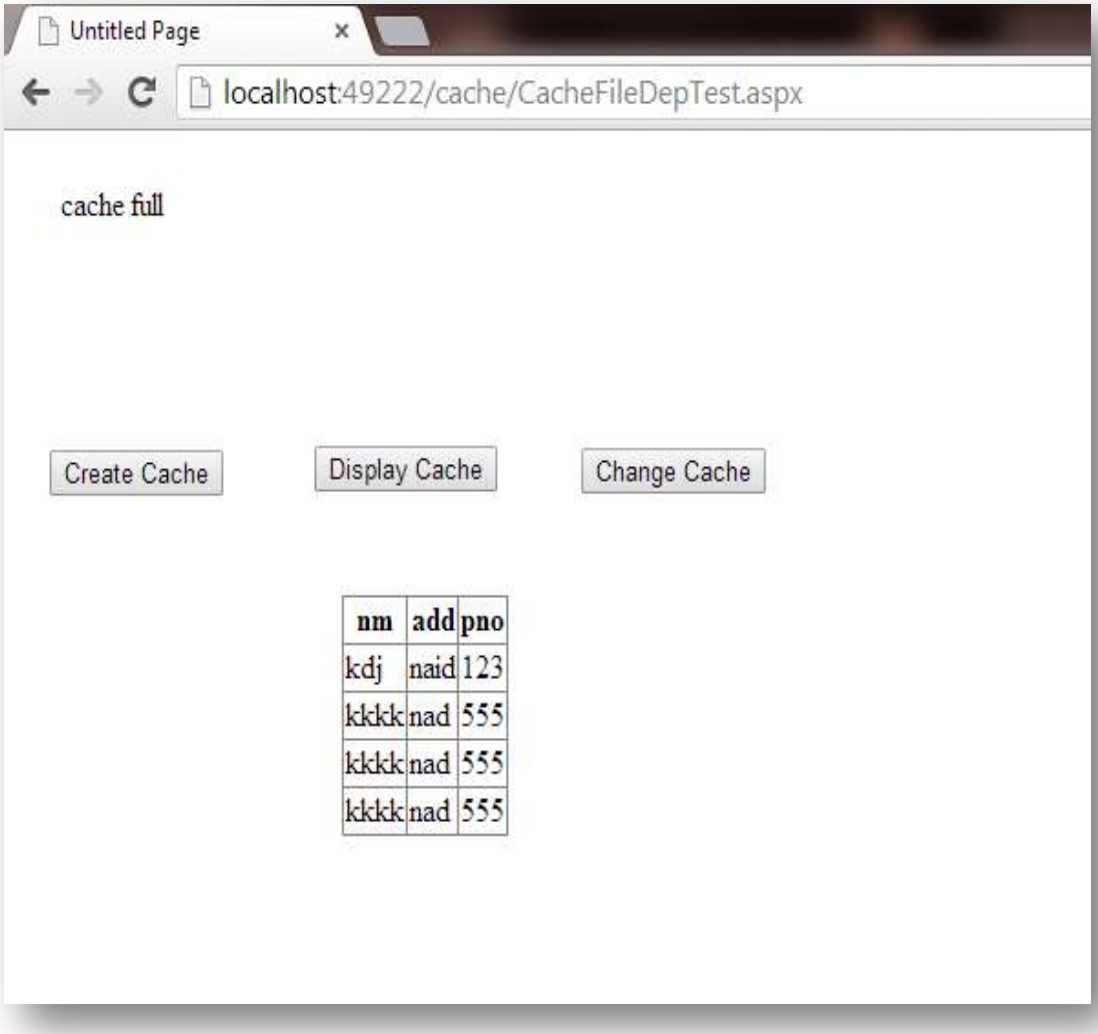
CODE:

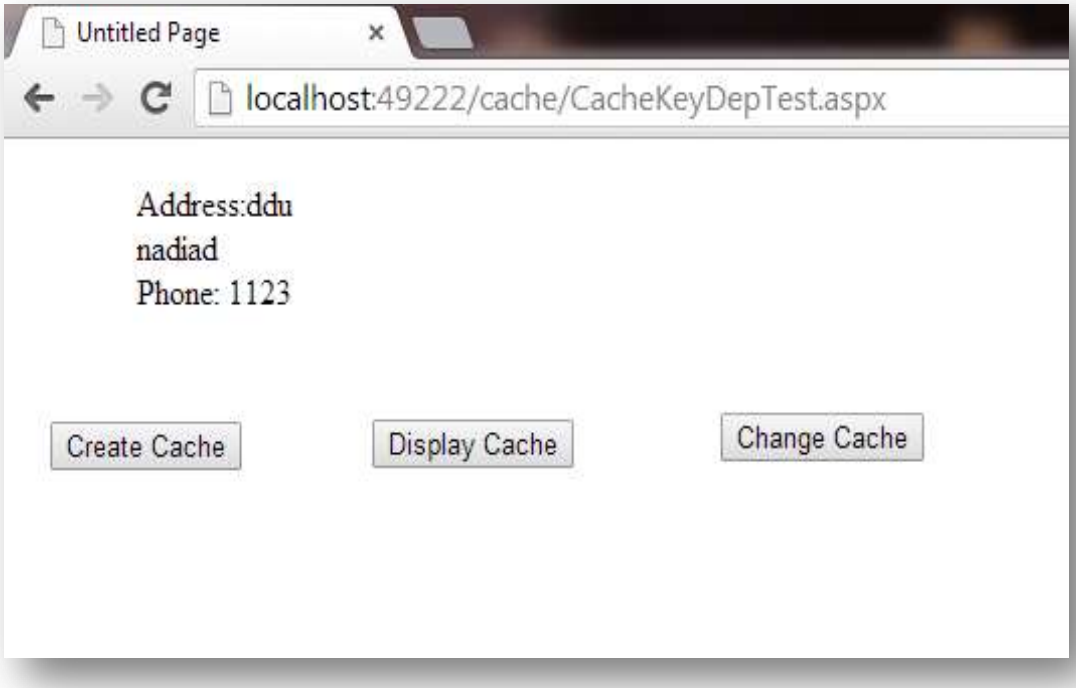
```
usingSystem;
usingSystem.Data;
usingSystem.Configuration;
usingSystem.Collections;
usingSystem.Web;
usingSystem.Web.Security;
usingSystem.Web.UI;
usingSystem.Web.UI.WebControls;
usingSystem.Web.UI.WebControls.WebParts;
usingSystem.Web.UI.HtmlControls;
usingSystem.Web.Caching;
public partial class TimespanDep: System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgse)
{
}
protected void Create(object sender, EventArgse)
{
DataSetds = new DataSet();
ds.ReadXml("D:\\6TH SEM\\SEM 6[VI]\\WT\\WT\\wt ex\\3RD
INTERNAL\\cache\\cache.xml");
// Cache.Insert("add", ds, null,DateTime.Now.AddSeconds(2),TimeSpan.Zero);
Cache.Insert("add", ds, null, Cache.NoAbsoluteExpiration,
TimeSpan.FromSeconds(2));
mylabel1.Text = "cache full";
```

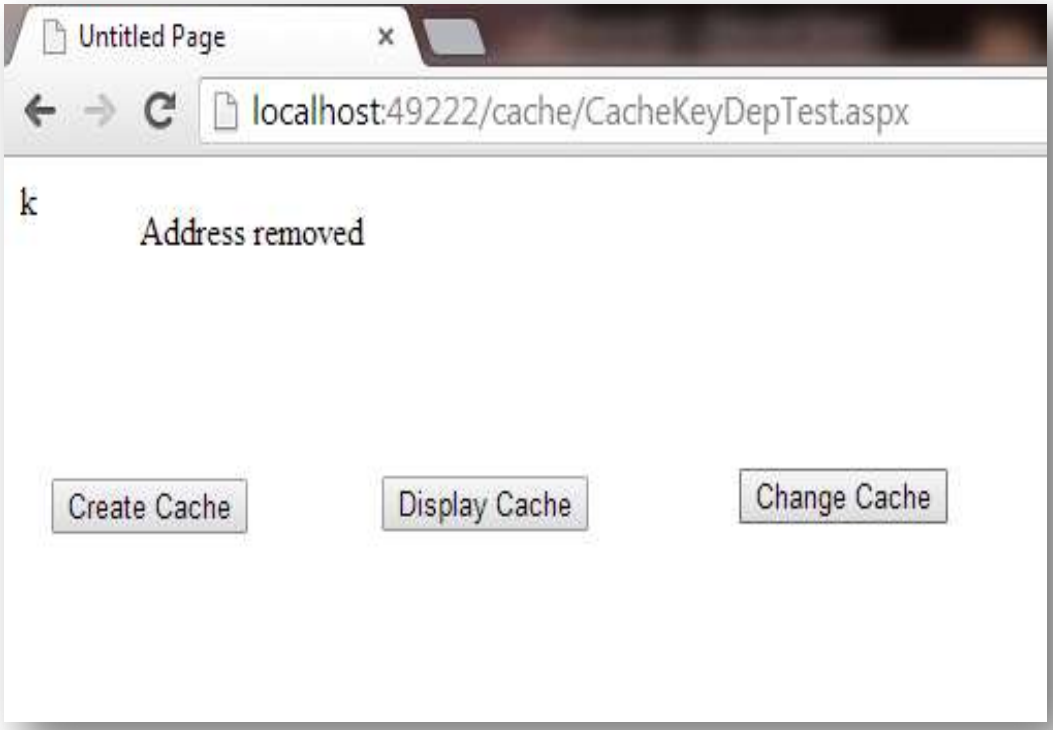
```
}
protected void Display(object sender, EventArgse)
{
DataSetds1 = new DataSet();
if(Cache["add"] == null)
{
gv.DataSource = null;
gv.DataBind();
mylabel1.Text = "cache empty";
}
else
{
ds1 = (DataSet)Cache["add"];
gv.DataSource = ds1;
gv.DataBind();
}
}
}
```

OUTPUT:




Untitled Page
localhost:49222/cache/CacheFileDepTest.aspx
cache full
Create Cache
Display Cache
Change Cache
nm add pno
kdj naid 123
kkkk nad 555
kkkk nad 555
kkkk nad 555


Untitled Page
localhost:49222/cache/CacheKeyDepTest.aspx
Address:ddu
nadiad
Phone: 1123
Create Cache
Display Cache
Change Cache


Untitled Page
localhost:49222/cache/CacheKeyDepTest.aspx
k
Address removed
Create Cache
Display Cache
Change Cache

Untitled Page
localhost:49222/cache/TimespanDep.as
cache full
Create Cache
Display Cache
nm add pno
kdj naid 123
kkkk nad 555
kkkk nad 555
kkkk nad 555

LAB 14

Create the Application which gets the user profile from the user with the help of the user control.

HTML CODE:

Global.asax:

```
<%@ Application Language="C#" %>

<script runat="server">
    void Application_Start(object sender, EventArgs e)
    {
        // Code that runs on application startup
        //Application.Lock();

        //Application["counts"] = count;
        //Application["msg"] = "";
        //Application.UnLock();
        Application.Lock();
        Application["msg1"] = "";
        Application["msg2"] = "";
        Application["msg3"] = "";
        Application.UnLock();
    }

    void Application_End(object sender, EventArgs e)
    {
        //  Code that runs on application shutdown

    }

    void Application_Error(object sender, EventArgs e)
    {
        // Code that runs when an unhandled error occurs

    }

    void Session_Start(object sender, EventArgs e)
    {
        // Code that runs when a new session is started


    }

    void Session_End(object sender, EventArgs e)
```

```
    {
        // Code that runs when a session ends.
        // Note: The Session_End event is raised only when the sessionstate mode
        // is set to InProc in the Web.config file. If session mode is set to StateServer
        // or SQLServer, the event is not raised.
    }

</script>
```

User1->default.aspx:

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

<!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="Button1" runat="server" OnClick="Button1_Click" style="z-index: 1;
left: 13px; top: 48px; position: absolute" Text="Button" />

    </div>
        <asp:TextBox ID="TextBox1" runat="server" style="z-index: 1; left: 11px; top: 15px;
position: absolute"></asp:TextBox>
        <p>

        <asp:Label ID="Label1" runat="server" style="z-index: 1; left: 28px; top: 164px;
position: absolute" Text="Label"></asp:Label>
        </p>
        <asp:RadioButtonList ID="RadioButtonList1" runat="server" style="z-index: 1; left:
10px; top: 91px; position: absolute; height: 27px; width: 82px">
            <asp:ListItem>User2</asp:ListItem>
            <asp:ListItem>User3</asp:ListItem>
        </asp:RadioButtonList>
        <asp:Label ID="Label2" runat="server" style="z-index: 1; left: 229px; top: 165px;
position: absolute" Text="Label"></asp:Label>
    </form>
</body>
</html>
```

User1->default.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 Chat_Application_Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        Application.Lock();
        Label1.Text = (string)Application["msg2"];
        Label2.Text = (string)Application["msg3"];
        Application.UnLock();
        Response.AppendHeader("Refresh", "7");
    }
    protected void Button1_Click(object sender, EventArgs e)
    {

        Application.Lock();
        if ((RadioButtonList1.SelectedItem.ToString()).Equals("User2"))
        {
            string msg = Application["msg2"].ToString() + "User1" + ":  " + TextBox1.Text +
"<br/>";
            Application["msg2"] = msg.ToString();
            Label1.Text = Application["msg2"].ToString();
        }
        else if ((RadioButtonList1.SelectedItem.ToString()).Equals("User3"))
        {
        string msg = Application["msg3"].ToString() + "User1" + ":  " + TextBox1.Text +
"<br/>";
        Application["msg3"] = msg.ToString();
        Label2.Text = Application["msg3"].ToString();
        }

        Application.UnLock();
    }
}
```

User2->default2.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default2.aspx.cs"
Inherits="Chat_Application_Default2" %>

<!DOCTYPE html>

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

```
</head>
<body>
    <form id="form1" runat="server">
        <asp:Label ID="Label1" runat="server" style="z-index: 1; left: 16px; top: 84px;
position: absolute" Text="Label"></asp:Label>
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" style="z-index: 1;
left: 15px; top: 45px; position: absolute" Text="Button" />
        <asp:TextBox ID="TextBox1" runat="server" style="z-index: 1; left: 13px; top: 13px;
position: absolute"></asp:TextBox>
    </form>
</body>
</html>
```

User2->default2.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 Chat_Application_Default2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        Application.Lock();
        Label1.Text = (string)Application["msg2"];
        Application.UnLock();
        Response.AppendHeader("Refresh", "7");
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        Application.Lock();
        string msg = Application["msg2"].ToString() + "User2" + ":  " + TextBox1.Text +
"<br/>";
        Application["msg2"] = msg.ToString();
        Label1.Text = Application["msg2"].ToString();
        Application.UnLock();
    }
}
```

User3->default3.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default3.aspx.cs"
Inherits="Default3" %>

<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
      <asp:Label ID="Label1" runat="server" style="z-index: 1; left: 16px; top: 84px;
position: absolute" Text="Label"></asp:Label>
      <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" style="z-index: 1;
left: 15px; top: 45px; position: absolute" Text="Button" />
      <asp:TextBox ID="TextBox1" runat="server" style="z-index: 1; left: 13px; top: 13px;
position: absolute"></asp:TextBox>
   </form>

</body>
</html>
```

User3->default3.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 Default3 : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
   {
      Application.Lock();
      Label1.Text = (string)Application["msg3"];
      Application.UnLock();
      Response.AppendHeader("Refresh", "7");
   }
   protected void Button1_Click(object sender, EventArgs e)
   {
      Application.Lock();
      string msg = Application["msg3"].ToString() + "User3" + ":  " + TextBox1.Text +
"<br/>";
      Application["msg3"] = msg.ToString();
      Label1.Text = Application["msg3"].ToString();
      Application.UnLock();
   }
}
```

OUTPUT:

User1:

Button

User2
User3

User2:
User2: hello

User3:
User3: hello
User1:
User1: hii
User3:
User3: chcn
User3:

User2:

Button

User2:
User2: hello

User3:

Button

User3:
User3: hello
User1:
User1: hii
User3:
User3: chcn
User3: