

1. Develop a website for a juice shop wherein the user is asked to choose from a list of fruits (use checkboxlist) and a list of ice creams (use radiobuttonlist) for the milkshake to be rendered. Provide a button that needs to display both the selections in a label along with price (random) for the milkshake. Use data binding with a list to populate the fruit and ice cream lists.

Code:

JuiceShop.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="JuiceShop.aspx.cs"
Inherits="q1.JuiceShop" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Milkshakes</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="padding: 10px">
            <h2>Fruits</h2>
            <asp:CheckBoxList ID="CheckBoxList1" runat="server"></asp:CheckBoxList>
            <br />
            <br />
            <h2>Icecreams</h2>
            <asp:RadioButtonList ID="RadioButtonList1" runat="server"></asp:RadioButtonList>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" Text="Order" Height="30px"
OnClick="Button1_Click" Width="75px" />
            <br />
            <br />
            <asp:Label ID="Label1" runat="server" Text=""></asp:Label>

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

JuiceShop.aspx.cs:

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

namespace q1
{
    public partial class JuiceShop : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!this.IsPostBack)
            {
                List<string> Fruits = new List<string>();
                Fruits.Add("Mango");
                Fruits.Add("Chickoo");
                Fruits.Add("Apple");
                Fruits.Add("Dragon Fruit");

                List<string> Icecreams = new List<string>();
                Icecreams.Add("Vanilla");
            }
        }
    }
}
```

```

        Icecreams.Add("Chocolate");
        Icecreams.Add("Kitkat");
        Icecreams.Add("Oreo");

        CheckBoxList1.DataSource = Fruits;
        RadioButtonList1.DataSource = Icecreams;

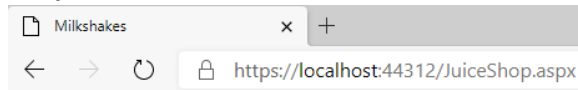
        this.DataBind();
    }
}

protected void Button1_Click(object sender, EventArgs e)
{
    Label1.Text = "<h4>" + "You chose: " + "</h4>" + "<b>" + "Fruits: " + "</b>" + "<br/>";
    foreach(ListItem itm in CheckBoxList1.Items)
    {
        if(itm.Selected == true)
        {
            Label1.Text += itm.Text + "<br/>";
        }
    }

    Label1.Text += "<b>" + "<br/>" + "Icecreams: " + "</b>" + "<br/>" +
    RadioButtonList1.SelectedItem.Text + "<br/>";
    Label1.Text += "<b>" + "<br/>" + "Price: " + "</b>";
    Random r = new Random();
    Label1.Text += r.Next(70, 140);
}
}
}

```

Output:



Fruits

- ☒ Mango
- ☒ Chickoo
- ☐ Apple
- ☐ Dragon Fruit

Icecreams

- ☒ Vanilla
- ☐ Chocolate
- ☐ Kitkat
- ☐ Oreo

Order

You chose:

Fruits:
Mango
Chickoo

Icecreams:
Vanilla

Price: 85

2. Develop an ASP.NET website to display the names of the tour packages available with a travel agency in a Listbox using Sqldatasource in Page1. Use Sqldatasource and GridView control to display the entire detail of the package in Page2 based on the selection made in Page1 (the selected value in Page1 has to be sent to Page2 via querystring and in Page2 use Querystring parameter in sqldatasource control). Sample table data given below.

Packs Table schema and data:

	Name	Data Type	place	days	cost
1	place	varchar(50)	Kulu-Manali	5	20000.0000
2	days	int	Shimla-Darjeeli...	6	15000.0000
3	cost	money	Ooty-Kodaikanal	4	20000.0000

Code:

WebForm1.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="q2.WebForm1"%>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Travel Packs</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="text-align:center">
            <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%%$
ConnectionStrings:Travel_170905004ConnectionString %>" SelectCommand="SELECT place FROM
Packs"></asp:SqlDataSource>
            <h3>Choose a travel pack:</h3>
            <asp:ListBox ID="ListBox1" runat="server" DataSourceID="SqlDataSource1"
DataTextField="place" Height="118px" Width="147px"></asp:ListBox>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" Text="Check Details" Height="30px"
Width="120px" OnClick="Button1_Click" />
        </div>
    </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 q2
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {

        }
    }
}
```

```

    {
        string url = "WebForm2.aspx?place=" + ListBox1.SelectedItem.Text;
        Response.Redirect(url);
    }
}

```

WebForm2.aspx:

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="q2.WebForm2"
%>

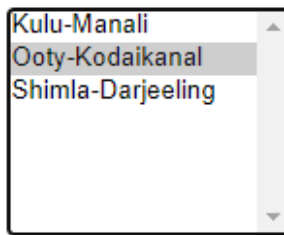
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Detailed Info</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%"$
ConnectionStrings:Travel_170905004ConnectionString %>" SelectCommand="SELECT * from Packs where
place=@place">
                <SelectParameters>
                    <asp:QueryStringParameter Name="place" QueryStringField="place" />
                </SelectParameters>
            </asp:SqlDataSource>
            <asp:GridView ID="GridView1" runat="server" BackColor="White" BorderColor="#CCCCCC"
BorderStyle="None" BorderWidth="1px" CellPadding="4" DataSourceID="SqlDataSource1"
ForeColor="Black" GridLines="Horizontal" AutoGenerateColumns="False" DataKeyNames="place"
style="margin: auto" HorizontalAlign="Center">
                <Columns>
                    <asp:BoundField DataField="place" HeaderText="place" ReadOnly="True"
SortExpression="place" />
                    <asp:BoundField DataField="days" HeaderText="days" SortExpression="days"
ItemStyle-HorizontalAlign="Center" />
                    <asp:BoundField DataField="cost" HeaderText="cost" SortExpression="cost" />
                </Columns>
                <FooterStyle BackColor="#CCCC99" ForeColor="Black" />
                <HeaderStyle BackColor="#333333" Font-Bold="True" ForeColor="White" />
                <PagerStyle BackColor="White" ForeColor="Black" HorizontalAlign="Right" />
                <SelectedRowStyle BackColor="#CC3333" Font-Bold="True" ForeColor="White" />
                <SortedAscendingCellStyle BackColor="#F7F7F7" />
                <SortedAscendingHeaderStyle BackColor="#4B4B4B" />
                <SortedDescendingCellStyle BackColor="#E5E5E5" />
                <SortedDescendingHeaderStyle BackColor="#242121" />
            </asp:GridView>
        </div>
    </form>
</body>
</html>

```

Output:

Choose a travel pack:



Check Details

a) Page1

place	days	cost
Ooty-Kodaikanal	4	20000.0000

b) Page2

3. Consider a table named City whose fields are as follows. 74 City: Id, StateID, CityName Develop a web application which allows a user to choose a State from the first DropDownList (bind it with a dictionary collection of at least five states during page load). Based on the value selected in the first DropDownList, the second DropDownList should be populated with the cities in that particular State fetched from the City table (use data source control). The keys of the dictionary can be mapped to the values of StateID in the table. The dictionary key has to be set as a DropDownList index, and the dictionary value has to be set as display value for the DropDownList.

City Table schema and data:

Name	Data Type
Id	int
StateID	int
CityName	varchar(50)

Id	StateID	CityName
1	0	Manipal
2	0	Mangalore
3	0	Bangalore
4	1	Mumbai
5	1	Pune
6	2	Chennai
7	2	Coimbatore

Code:

WebForm1.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="q3.WebForm1"%>

<!DOCTYPE html>

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

    Choose a state:
    <asp:DropDownList ID="DropDownList1" runat="server" Height="30px" Width="145px"
style="vertical-align:middle" AutoPostBack="True">
</asp:DropDownList>
<br />
<br />
</div>
</form>
</body>
</html>
```

```

        <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%=
ConnectionStrings:City_170905004ConnectionString %>" SelectCommand="SELECT CityName from City WHERE
StateID=@StateID">
            <SelectParameters>
                <asp:ControlParameter ControlID="DropDownList1" DefaultValue="0" Name="StateID"
PropertyName="SelectedValue" />
            </SelectParameters>

        </asp:SqlDataSource>
        Choose a city:
        <asp:DropDownList ID="DropDownList2" runat="server" Height="30px" Width="145px"
style="vertical-align:middle" AutoPostBack="True" DataSourceID="SqlDataSource1"
DataTextField="CityName" OnSelectedIndexChanged="DropDownList2_SelectedIndexChanged">
        </asp:DropDownList>
        <br />
        <br />
        <asp:Label ID="Label1" runat="server" Text=""></asp:Label>

    </div>
</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;
using System.Data;
using System.Data.Sql;
using System.Data.SqlClient;

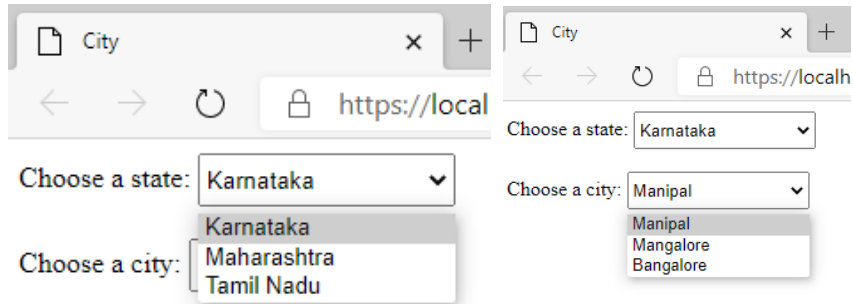
namespace q3
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!this.IsPostBack)
            {
                Dictionary<int, string> states = new Dictionary<int, string>();
                states.Add(0, "Karnataka");
                states.Add(1, "Maharashtra");
                states.Add(2, "Tamil Nadu");

                DropDownList1.DataSource = states;
                DropDownList1.DataTextField = "Value";
                DropDownList1.DataValueField = "Key";
                DropDownList1.DataBind();
            }

            protected void DropDownList2_SelectedIndexChanged(object sender, EventArgs e)
            {
                Label1.Text = "Welcome to " + DropDownList2.SelectedValue + ", " +
                DropDownList1.SelectedItem.Text;
            }
        }
    }
}

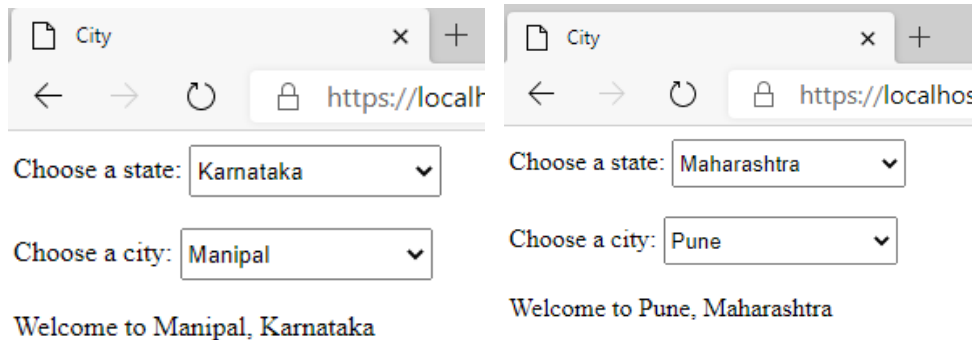
```

Output:



a) Choosing in the first list

b) Choosing in the second list



c) After choosing both

d) Choosing different option

4. Develop a web application that contains a DropDownList, a ListBox and a GridView. Use a list with values comedy, romance and animated (various categories) to bind with the DropDownList. The ListBox should display the names of the actors who belong to the category as that of the genre selected in the DropDownList. The GridView must display entire details of the actor based on the name selected in the ListBox. Use data source control for all database operations. The schema of the 'Actors' table is given below.(id can be set as a primary key)

Legends Table Schema and Data:

	Name	Data Type	id	name	age	category
	id	nchar(10)	1	Charlie Chaplin	88	Comedy
	name	varchar(50)	2	Jim Carrey	58	Comedy
	age	nchar(10)	3	Ryan Gosling	40	Romance
	category	varchar(50)	4	Emma Stone	32	Romance
			5	Elsa	24	Animated
			6	Dora	8	Animated

Code:

WebForm1.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="q4.WebForm1"%>

<!DOCTYPE html>

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

```

<div style="text-align: center">

    Choose category:
    <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True" Height="30px"
Width="100px" style="vertical-align:middle">
    </asp:DropDownList>
    <br />
    <br />
    Choose actor:<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:Test_170905004ConnectionString %>" SelectCommand="SELECT
id, name FROM Legends WHERE category=@category">
    <SelectParameters>
    <asp:ControlParameter ControlID="DropDownList1" DefaultValue="-"
Name="category" PropertyName="SelectedItem.Text" />
    </SelectParameters>
    </asp:SqlDataSource>
    <br />
    <asp:ListBox ID="ListBox1" runat="server" DataSourceID="SqlDataSource1"
DataTextField="name" DataValueField="id" AutoPostBack="True" Height="115px"
Width="120px"></asp:ListBox>
    <br />
    <br />
    <asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$
ConnectionStrings:Test_170905004ConnectionString %>" SelectCommand="SELECT * FROM Legends WHERE
name=@name and id=@id">
    <SelectParameters>
    <asp:ControlParameter ControlID="ListBox1" Name="name"
PropertyName="SelectedItem.Text" />
    <asp:ControlParameter ControlID="ListBox1" Name="id"
PropertyName="SelectedValue" />
    </SelectParameters>
    </asp:SqlDataSource>
    <asp:GridView ID="GridView1" runat="server" CellPadding="4" ForeColor="#333333"
GridLines="None" AutoGenerateColumns="False" DataKeyNames="id" DataSourceID="SqlDataSource2"
style="margin: auto">
    <AlternatingRowStyle BackColor="White" ForeColor="#284775" />
    <Columns>
    <asp:BoundField DataField="id" HeaderText="id" ReadOnly="True"
SortExpression="id" />
    <asp:BoundField DataField="name" HeaderText="name" SortExpression="name" />
    <asp:BoundField DataField="age" HeaderText="age" SortExpression="age" />
    <asp:BoundField DataField="category" HeaderText="category"
SortExpression="category" />
    </Columns>
    <EditRowStyle BackColor="#999999" />
    <FooterStyle BackColor="#5D7B9D" Font-Bold="True" ForeColor="White" />
    <HeaderStyle BackColor="#5D7B9D" Font-Bold="True" ForeColor="White" />
    <PagerStyle BackColor="#284775" ForeColor="White" HorizontalAlign="Center" />
    <RowStyle BackColor="#F7F6F3" ForeColor="#333333" />
    <SelectedRowStyle BackColor="#E2DED6" Font-Bold="True" ForeColor="#333333" />
    <SortedAscendingCellStyle BackColor="#E9E7E2" />
    <SortedAscendingHeaderStyle BackColor="#506C8C" />
    <SortedDescendingCellStyle BackColor="#FFFDF8" />
    <SortedDescendingHeaderStyle BackColor="#6F8DAE" />
    </asp:GridView>

</div>
</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 q4
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!this.IsPostBack)
            {
                List<string> categories = new List<string>();
                categories.Add("Comedy");
                categories.Add("Romance");
                categories.Add("Animated");

                DropDownList1.DataSource = categories;
                DropDownList1.DataBind();
            }
        }
    }
}

```

Output:

Choose category: Comedy ▼

Choose actor:

Charlie Chaplin

Jim Carrey

id	name	age	category
1	Charlie Chaplin	88	Comedy

a) Comedy category

Choose category: Romance ▼

Choose actor:

Ryan Gosling

Emma Stone

id	name	age	category
3	Ryan Gosling	40	Romance

b) Romance category