AMITY UNIVERSITY MAHARASHTRA

AMITY INSTITUTE OF INFORMATION TECHNOLOGY

BLOCKCHAIN

LAB FILE

BCA/BSC -IT

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AMITY UNIVERSITY MAHARASHTRA

Amity Institute of Information Technology

This is to certify that Mr. Prathmesh Patil is a Bonfire student of Amity Institute of Information Technology, at Amity University Maharashtra and he has done the project work titled “ ASP.NET LAB ” at Amity University Mumbai as prescribed by AIIT, AUM in partial fulfilment of the requirement of BCA Program for the academic year 2021-22.

Teacher’s signature :-

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**EXPERIMENT 1**

1. Write down the steps to install & setup Visual Studio .NET.

Ans:- **Step 1) Download Visual Studio**

First, visit the following Visual Studio free download link <https://visualstudio.microsoft.com/downloads/>

Graphical user interface, application, Teams

Description automatically generated

**Step 2) Open the .exe file**

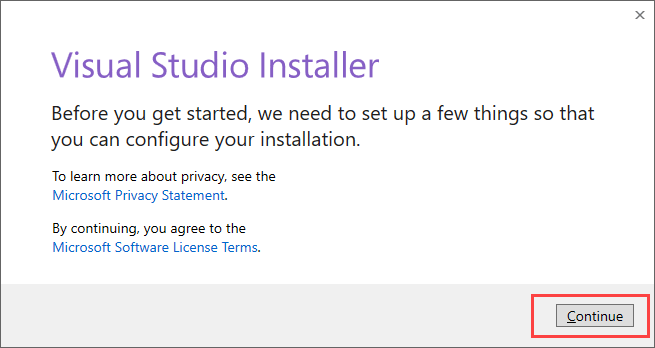
Click on the downloaded exe file

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Description automatically generated

**Step 3) Start the installation**

In the next screen, click continue to start Visual Studio installation

[](https://cdn.guru99.com/images/c-sharp-net/image003.png)

**Step 4) Let the installation complete**

Visual Studio will start downloading the initial files. Download speed will vary as per your internet connection.

[](https://cdn.guru99.com/images/c-sharp-net/image004.png)

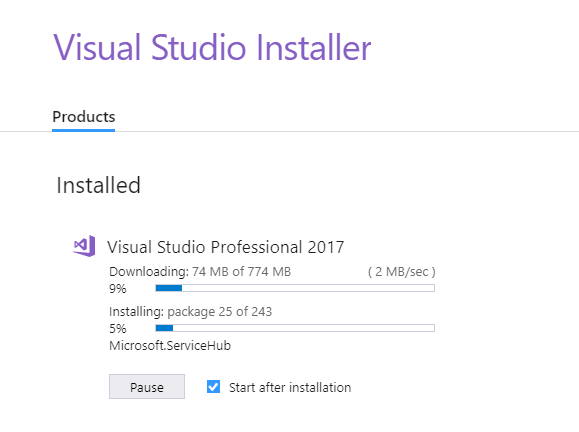
**Step 5) After installation select ASP.NET and Web development**

Graphical user interface, text, application

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**Step 6) Wait for the files to be downloaded**

Visual Studio will download the relevant files based on the selection in step 6

[](https://cdn.guru99.com/images/c-sharp-net/image007.png)

**Step 7) After downloading and installation of the files launch Visual Studio**

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**Step 8) Click on the Create new project**

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**Step 9) Select the template called ASP.NET Web Forms Site (you can also chose ASP.NET Empty Web Site) and click on next.**

Graphical user interface, text, application

Description automatically generated

**Step 10) Configure about your new project and click on create.**

Graphical user interface, application

Description automatically generated

1. Explain the component of Visual Studio .NET IDE (Integrated Development Environment) .

Ans:- The Visual Studio IDE consists of several sections, or tools, that the developer uses while programming. As you view the IDE for a new project you generally have three sections in view:

* The Toolbox on the left
* The Solution Explorer on the right
* The Code / Design view in the middle

**Toolbox:-**

The Toolbox is a palette of developer objects, or controls, that are placed on forms or web pages, and then code is added to allow the user to interact with them. An example would be TextBox, Button and ListBox controls. With these three controls added to a Windows Form object the developer could write code that would take text. We can easy to access those things while using IDE.

**Solution Explorer:-**

This is a section that is used to view and modify the contents of the project. A Visual Studio Windows Application Project will generally have a Form object with a code page, references to System components and possibly other modules with special code that is used by the application.

**Properties Windows:-**

The properties windows shows all the control (like TextBox) properties to be changed at design time. Most of these properties can be also changed with code at run time, but basically most properties change the way the control is displayed on your application.

**Object Browser:-**

By pressing F2 or selecting it into the View menu, it's possible to explore all the available objects of the libraries (types, functions...).

**EXPERIMENT 2**

1. create an application to show inline and code behind.

Code:-

* Code behind:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

public partial class code\_behind : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

}

protected void Button1\_Click1(object sender, EventArgs e)

{

Label1.Text = TextBox1.Text;

}

}

* In-line code:-

<%@ Page Language="C#" %>

<!DOCTYPE html>

<script runat="server">

protected void Button1\_Click(object sender, EventArgs e)

{

Label1.Text = TextBox1.Text;

}

</script>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title></title>

</head>

<body style="height: 371px">

<form id="form1" runat="server">

<div style="height: 231px">

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Button" />

</div>

</form>

</body>

</html>

Output:-

* Code behind:-

Graphical user interface, text, application

Description automatically generated

* In-line code:-

Graphical user interface, text, application

Description automatically generated

1. Create an application which will ask the user to input his name and a message, displaythe two items concatenated in a label, and change the format of the label using radio buttons and checkboxes for selection, the user can make the label text bold, underlined or italic and change its color. Include buttons to display the message in the label, clear the text boxes and label and exit.

Code:-

.**aspx:-**

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="taking input.aspx.cs" Inherits="taking\_input" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title></title>

<style type="text/css">

#form1 {

height: 379px;

}

</style>

</head>

<body style="height: 520px">

<form id="form1" runat="server">

<div>

</div>

<asp:TextBox ID="TextBox1" runat="server" OnTextChanged="TextBox1\_TextChanged"></asp:TextBox>

<br />

<br />

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button3" runat="server" Text="Submit" OnClick="Button3\_Click" />

<br />

<br />

<asp:Label ID="Label3" runat="server"></asp:Label>

<br />

<br />

<asp:CheckBox ID="CheckBox1" runat="server" OnCheckedChanged="CheckBox1\_CheckedChanged" Text="Italic" />

<br />

<asp:CheckBox ID="CheckBox2" runat="server" Text="Bold" OnCheckedChanged="CheckBox2\_CheckedChanged" />

<br />

<asp:CheckBox ID="CheckBox3" runat="server" Text="Underline" OnCheckedChanged="CheckBox3\_CheckedChanged" />

<br />

<asp:RadioButton ID="RadioButton1" runat="server" Text="Orange" GroupName="Color" OnCheckedChanged="RadioButton1\_CheckedChanged" />

<br />

<asp:RadioButton ID="RadioButton2" runat="server" Text="Green" GroupName="Color" OnCheckedChanged="RadioButton2\_CheckedChanged" />

<br />

<asp:RadioButton ID="RadioButton3" runat="server" Text="Blue" GroupName="Color" OnCheckedChanged="RadioButton3\_CheckedChanged" />

<br />

<asp:Button ID="Button1" runat="server" Text="Apply changes" OnClick="Button1\_Click" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button2" runat="server" Text="Clear all" OnClick="Button2\_Click" />

<br />

<asp:Label ID="Label1" runat="server" Text="Result:-"></asp:Label>

&nbsp;&nbsp;

<asp:Label ID="Label2" runat="server"></asp:Label>

</form>

</body>

</html>

**.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 taking\_input : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void CheckBox1\_CheckedChanged(object sender, EventArgs e)

{

}

protected void TextBox1\_TextChanged(object sender, EventArgs e)

{

}

protected void Button3\_Click(object sender, EventArgs e)

{

Label3.Text = TextBox1.Text+ " " +TextBox2.Text;

}

protected void CheckBox2\_CheckedChanged(object sender, EventArgs e)

{

}

protected void CheckBox3\_CheckedChanged(object sender, EventArgs e)

{

}

protected void RadioButton1\_CheckedChanged(object sender, EventArgs e)

{

}

protected void RadioButton2\_CheckedChanged(object sender, EventArgs e)

{

}

protected void RadioButton3\_CheckedChanged(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

if(CheckBox1.Checked == true)

{

Label2.Font.Italic = true;

}

else if(CheckBox2.Checked == true)

{

Label2.Font.Bold = true;

}

else if (CheckBox3.Checked == true)

{

Label2.Font.Underline = true;

}

else

{

Label2.Font.Italic = Label2.Font.Bold = Label2.Font.Underline = false;

}

if(RadioButton1.Checked == true)

{

Label2.ForeColor = System.Drawing.Color.Orange;

}

else if (RadioButton2.Checked == true)

{

Label2.ForeColor = System.Drawing.Color.Green;

}

else if (RadioButton3.Checked == true)

{

Label2.ForeColor = System.Drawing.Color.Blue;

}

else

{

RadioButton1.Checked = RadioButton2.Checked = RadioButton3.Checked = false ;

}

Label2.Text = TextBox1.Text + " " + TextBox2.Text;

}

protected void Button2\_Click(object sender, EventArgs e)

{

TextBox1.Text= TextBox2.Text= Label3.Text = Label2.Text = "";

CheckBox1.Checked = CheckBox2.Checked = CheckBox3.Checked = false;

RadioButton1.Checked = RadioButton2.Checked = RadioButton3.Checked = false;

}

}

Output:-

1. Before apply any changes:-

Graphical user interface, text, application

Description automatically generated

1. After applying any changes:-

Graphical user interface, text, application

Description automatically generated

1. Clearing all inputs:-

Graphical user interface, text, application

Description automatically generated

**EXPERIMENT 3**

1. Write a program to find if a number entered by user is Palidrome or not.

Code:-

Aspx :-

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

<!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: 514px">

<asp:Label ID="Label1" runat="server" Text="Enter a number :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Submit" />

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Result :-"></asp:Label>

&nbsp;

<asp:Label ID="Label3" runat="server"></asp:Label>

</div>

</form>

</body>

</html>

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 palindrome : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

String num;

String CheckNum;

num = TextBox1.Text.ToString();

CheckNum = (num);

int rem, sum = 0;

int number = int.Parse(num);

int temp = number;

while (number > 0)

{

rem = number % 10;

sum = (sum \* 10) + rem;

number = number / 10;

}

if(temp == sum)

{

Label3.Text = "The number is a plaindrome";

}

else

{

Label3.Text = "The number is not a palindrome";

}

}

}

Output:-

Graphical user interface, application, Word

Description automatically generated

1. Write a program that include two Checkboxes(is Palindrome and Is Prime) and find out whatever is selcted by user.

Code:-

Aspx:-

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

<!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: 268px">

<asp:Label ID="Label1" runat="server" Text="Enter a number :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:CheckBox ID="CheckBox1" runat="server" OnCheckedChanged="CheckBox1\_CheckedChanged" Text="Plaindrome" />

<br />

<asp:CheckBox ID="CheckBox2" runat="server" OnCheckedChanged="CheckBox2\_CheckedChanged" Text="Prime" />

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Submit" />

&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Clear" />

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Result :- "></asp:Label>

&nbsp;

<asp:Label ID="Label3" runat="server"></asp:Label>

</div>

</form>

</body>

</html>

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 PalindromePrime : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void CheckBox1\_CheckedChanged(object sender, EventArgs e)

{

}

protected void CheckBox2\_CheckedChanged(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

if(CheckBox1.Checked == true)

{

String num;

String CheckNum;

num = TextBox1.Text.ToString();

CheckNum = (num);

int rem, sum = 0;

int number = int.Parse(num);

int temp = number;

while (number > 0)

{

rem = number % 10;

sum = (sum \* 10) + rem;

number = number / 10;

}

if (temp == sum)

{

Label3.Text = "The number is a plaindrome";

}

else

{

Label3.Text = "The number is not a palindrome";

}

}

if(CheckBox2.Checked == true)

{

String num1 = TextBox1.Text.ToString();

int Prime = int.Parse(num1);

int i, m = 0, flag = 0;

m = Prime / 2;

for (i = 2; i <= m; i++)

{

if(Prime % i == 0)

{

Label3.Text = "The number is not a Prime";

flag = 1;

break;

}

}

if (flag == 0)

{

Label3.Text = "The number is a Prime";

}

}

}

protected void Button2\_Click(object sender, EventArgs e)

{

CheckBox1.Checked = CheckBox2.Checked = false;

TextBox1.Text = "";

Label3.Text = "";

}

}

Output:-

Palindrome:-

Graphical user interface, application, Word

Description automatically generated

Prime:-

Graphical user interface, application, Word

Description automatically generated

**EXPERIMENT 4**

1. Create a webform to count the number of clicks of a button and display it in output label.

Code:-

Aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Question1.aspx.cs" Inherits="Exp4.Question1" %>

<!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: 316px">

&nbsp;

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Click" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Clear" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button3" runat="server" OnClick="Button3\_Click" Text="Restore" />

<br />

<br />

&nbsp; <asp:Label ID="Label1" runat="server"></asp:Label>

</div>

</form>

</body>

</html>

Aspx.cs:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Exp4

{

public partial class Question1 : System.Web.UI.Page

{

int ClickCount = 1;

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

Label1.Text = "0";

}

}

protected void Button1\_Click(object sender, EventArgs e)

{

if (ViewState["Clicks"] != null)

{

ClickCount = (int)ViewState["Clicks"] + 1;

}

Label1.Text = ClickCount.ToString(); ;

ViewState["Clicks"] = ClickCount;

}

protected void Button2\_Click(object sender, EventArgs e)

{

ViewState["Clicks"] = Label1.Text;

Label1.Text = ""+ClickCount.ToString();

}

protected void Button3\_Click(object sender, EventArgs e)

{

Label1.Text = ViewState["Clicks"].ToString();

ViewState["Clicks"] = ClickCount;

}

}

}

Output:-

1. Clicks of the click button:-

Graphical user interface, text, application

Description automatically generated

1. Clear the clicks:-

Graphical user interface, text, application

Description automatically generated

1. Restoring the clicks:-

Graphical user interface, text, application

Description automatically generated

1. Create a Webform with two  textboxes(Username , Password) and two buttons(Submit and Restore) use the property of viewstate  to restore the values entered by user. Apply CSS

Code:-

.master:-

<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Question2.master.cs" Inherits="Exp4Q2.Question2" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title></title>

<asp:ContentPlaceHolder ID="head" runat="server">

</asp:ContentPlaceHolder>

<link href="StyleSheet1.css" rel="stylesheet" />

</head>

<body>

<form id="form1" runat="server">

<div class="wrapper">

<div class="header">

<h1>This is header</h1>

</div>

<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">

</asp:ContentPlaceHolder>

<div class="footer">

<h2>This is footer</h2>

</div>

</div>

</form>

</body>

</html>

Aspx:-

<%@ Page Title="" Language="C#" MasterPageFile="~/Question2.Master" AutoEventWireup="true" CodeBehind="anotherpage.aspx.cs" Inherits="Exp4Q2.anotherpage" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<div class="main">

<h2>This is my assignment</h2>

<p style="height: 33px">

<asp:Label ID="Label1" runat="server" Text="Username:-"></asp:Label>

&nbsp;&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

</p>

<p style="height: 33px">

<asp:Label ID="Label2" runat="server" Text="Password:-"></asp:Label>

&nbsp;&nbsp;

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

</p>

<p style="height: 33px">

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Submit" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Clear" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button3" runat="server" OnClick="Button3\_Click" Text="Restore" />

</p>

<p style="height: 33px">

<asp:Label ID="Label3" runat="server"></asp:Label>

</p>

<p style="height: 33px">

<asp:Label ID="Label4" runat="server"></asp:Label>

</p>

</div>

</asp:Content>

Aspx.cs:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Exp4Q2

{

public partial class anotherpage : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

ViewState["Username"] = TextBox1.Text;

ViewState["Password"] = TextBox2.Text;

}

protected void Button2\_Click(object sender, EventArgs e)

{

TextBox1.Text = "";

TextBox2.Text = "";

Label3.Text = "";

Label4.Text = "";

}

protected void Button3\_Click(object sender, EventArgs e)

{

if (ViewState["Username"] != null && ViewState["Password"] != null)

{

Label3.Text = "Username:- " + ViewState["Username"].ToString();

Label4.Text = "Password:- " + ViewState["Password"].ToString();

}

}

}

}

.css:-

.wrapper {

background-color: darkgoldenrod;

width:9999;

border:1px solid black;

padding:5px;

margin:10px;

text-align:center;

}

.header{

margin:5px;

padding:5px;

border:1px solid black;

}

.footer{

margin:5px;

padding:5px;

border:1px solid black;

}

.main{

border:1px solid black;

margin:5px;

padding:5px;

}

Output:-

1. Storing the output:-

Graphical user interface

Description automatically generated

1. Clearing the outputs:-

Graphical user interface

Description automatically generated

1. Restoring the outputs:-

Graphical user interface

Description automatically generated

**EXPERIMENT 5**

1. Differentiate Viewstate, session state and application state variable using any suitable example.

Sol:- 1) Application State:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Viewstate1.aspx.cs" Inherits="Viewstate1" %>

<!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: 307px">

<asp:TextBox ID="TextBox1" runat="server" OnTextChanged="TextBox1\_TextChanged"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Button" />

</div>

</form>

</body>

</html>

.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 Viewstate1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

if(Application["Clicks"] == null)

{

Application["Clicks"] = 0;

}

TextBox1.Text = Application["Clicks"].ToString();

}

}

protected void TextBox1\_TextChanged(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

int ClicksCount = (int)Application["Clicks"] + 1;

TextBox1.Text = ClicksCount.ToString();

Application["Clicks"] = ClicksCount;

}

}

* Loading pages in same browser :-

1. Page 1:-

Graphical user interface, text, application

Description automatically generated

1. Page 2:-

Graphical user interface, text, application

Description automatically generated

* Loading page in other browser:-

Graphical user interface, text, application

Description automatically generated

2) Session State:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Viewstate1.aspx.cs" Inherits="Viewstate1" %>

<!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: 307px">

<asp:TextBox ID="TextBox1" runat="server" OnTextChanged="TextBox1\_TextChanged"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Button" />

</div>

</form>

</body>

</html>

.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 Viewstate1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

if(Session["Clicks"] == null)

{

Session["Clicks"] = 0;

}

TextBox1.Text = Session["Clicks"].ToString();

}

}

protected void TextBox1\_TextChanged(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

int ClicksCount = (int)Session["Clicks"] + 1;

TextBox1.Text = ClicksCount.ToString();

Session["Clicks"] = ClicksCount;

}

}

* Loading pages in same browser :-

1. Page 1:-

Graphical user interface, text, application

Description automatically generated

1. Page 2:-

Graphical user interface, text, application

Description automatically generated

* Loading page in other browser:-

Graphical user interface, text, application

Description automatically generated

3) Viewstate :-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Viewstate1.aspx.cs" Inherits="Viewstate1" %>

<!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: 307px">

<asp:TextBox ID="TextBox1" runat="server" OnTextChanged="TextBox1\_TextChanged"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Button" />

</div>

</form>

</body>

</html>

.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 Viewstate1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

if(ViewState["Clicks"] == null)

{

ViewState["Clicks"] = 0;

}

TextBox1.Text = ViewState["Clicks"].ToString();

}

}

protected void TextBox1\_TextChanged(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

int ClicksCount = (int)ViewState["Clicks"] + 1;

TextBox1.Text = ClicksCount.ToString();

ViewState["Clicks"] = ClicksCount;

}

}

* Loading pages in same browser :-

1. Page 1:-

Graphical user interface, text, application, Word

Description automatically generated

1. Page 2:-

Graphical user interface, text, application

Description automatically generated

* Loading page in other browser:-

Graphical user interface, text, application

Description automatically generated

1. Create a web form which include Application and session event handlers like:
   1. Application\_Start
   2. Application\_End
   3. Session\_Start
   4. Session\_End

Sol:-

.asax:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.Security;

using System.Web.SessionState;

namespace Experiment\_5

{

public class Global : System.Web.HttpApplication

{

protected void Application\_Start(object sender, EventArgs e)

{

Application["x"] = 0;

Application["y"] = 0;

Application["x"] = (int)Application["x"] + 1;

}

protected void Session\_Start(object sender, EventArgs e)

{

Application["y"] = (int)Application["y"] + 1;

}

protected void Session\_End(object sender, EventArgs e)

{

Application["y"] = (int)Application["y"] - 1;

}

}

}

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Experiment\_5.WebForm1" %>

<!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: 297px">

</div>

</form>

</body>

</html>

.aspx.cs:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Experiment\_5

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

Response.Write("No of application :- " + Application["x"]);

Response.Write("<br/>");

Response.Write("No of users :- " + Application["y"]);

}

}

}

Output:- Session started in same browser:-

Graphical user interface, text, application

Description automatically generated

Session started in different browser:-

Graphical user interface, text, application

Description automatically generated

1. Show the order in which different page level events gets executed with an example.

Sol:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="Experiment\_5.WebForm2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title></title>

</head>

<body>

<form id="form1" runat="server">

<div>

</div>

</form>

</body>

</html>

.aspx.cs:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Experiment\_5

{

public partial class WebForm2 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

Response.Write("Page\_Load" + "<br/>");

}

protected void Page\_PreInit(Object sender, EventArgs e)

{

Response.Write("Page\_PreInit" + "<br/>");

}

protected void Page\_Init(object sender, EventArgs e)

{

Response.Write("Page\_Init" +"<br/>");

}

protected void Page\_InitComplete(object sender, EventArgs e)

{

Response.Write("Page\_InitComplete" + "<br/>");

}

protected void Page\_Preload(Object sender, EventArgs e)

{

Response.Write("Page\_PreLoad" +"<br/>");

}

protected void Page\_LoadComplete(Object sender, EventArgs e)

{

Response.Write("Page\_LoadComplete" + "<br/>");

}

protected void Page\_PreRender(Object sender, EventArgs e)

{

Response.Write("Page\_PreRender" + "<br/>");

}

protected void Page\_PreRenderComplete(Object sender, EventArgs e)

{

Response.Write("Page\_PreRenderComplete" + "<br/>");

}

protected void Page\_Unload(Object sender, EventArgs e)

{

//Response.Write("Page\_Unload" + "<br/>");

}

}

}

Output:-

Graphical user interface, text, application

Description automatically generated

**EXPERIMENT 6:-**

1. Show different type of event with example:
   1. Cached event
   2. Postback event
   3. Vaildation Event

Code:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Experiment6.WebForm1" %>

<!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: 347px">

<br />

<asp:TextBox ID="TextBox1" runat="server" OnTextChanged="TextBox1\_TextChanged" AutoPostBack="True"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Button" />

<br />

<br />

<asp:CheckBox ID="CheckBox1" runat="server" AutoPostBack="True" OnCheckedChanged="CheckBox1\_CheckedChanged" Text="male" />

<br />

<asp:CheckBox ID="CheckBox2" runat="server" AutoPostBack="True" OnCheckedChanged="CheckBox2\_CheckedChanged" Text="female" />

<br />

</div>

</form>

</body>

</html>

.aspx.cs:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Experiment6

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (IsPostBack)

{

}

Response.Write("");

}

protected void TextBox1\_TextChanged(object sender, EventArgs e)

{

Response.Write("The text is changed ");

}

protected void Button1\_Click(object sender, EventArgs e)

{

Response.Write("The button is clicked ");

}

protected void CheckBox1\_CheckedChanged(object sender, EventArgs e)

{

Response.Write("Checkbox 1 is checked ");

}

protected void CheckBox2\_CheckedChanged(object sender, EventArgs e)

{

Response.Write("Checkbox 2 is checked ");

}

}

}

Output:-

Graphical user interface, application, Word

Description automatically generated

1. Postback event:-

Graphical user interface, application, Word

Description automatically generated

1. Cached event:-

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

1. Cached event converted into Postback event when AutoPostBack is set true:-

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

1. Create a project that calculates the total fat, carbohydrate and protein. Allow the user to enter text boxes. The grams of fat, grams of carbohydrate and grams of protein. Each gram of fat is 9 calories and protein, or carbohydrate is 4 calories. Display the total calories of the current food item on a label. Use other labels to display and accumulated some calories and the count of items entered. The form food has 3 text boxes for the user to enter the grams for each category include a label next to each text box indicating what the user enters.

Code:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="Experiment6.WebForm2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title></title>

</head>

<body>

<form id="form1" runat="server">

<div>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label1" runat="server" Text="Calories Calculator"></asp:Label>

<br />

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; Enter Calories (grams)&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;<asp:Label ID="Label5" runat="server" Text="Current Calories"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label12" runat="server" Text="Total Calories"></asp:Label>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="fat"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label6" runat="server" Text="Label"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label13" runat="server" Text="Label"></asp:Label>

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="carbohydrate"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label7" runat="server" Text="Label"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label14" runat="server" Text="Label"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="protein"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label8" runat="server" Text="Label"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label15" runat="server" Text="Label"></asp:Label>

<br />

<br />

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button1" runat="server" Text="Calculate" OnClick="Button1\_Click" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label16" runat="server" Text="No.of Items :"></asp:Label>

&nbsp;

<asp:Label ID="Label17" runat="server" Text="Label"></asp:Label>

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<br />

<br />

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

</div>

</form>

</body>

</html>

.aspx.cs:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Experiment6

{

public partial class WebForm2 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

TextBox1.Text.ToString();

TextBox2.Text.ToString();

TextBox3.Text.ToString();

int i = Int32.Parse(TextBox1.Text);

int j = Int32.Parse(TextBox2.Text);

int k = Int32.Parse(TextBox3.Text);

int count;

i = 9 \* i;

j = 9 \* j;

k = 4 \* k;

if(ViewState["count"] == null)

{

ViewState["TextBox1.Text"] = i;

ViewState["TextBox2.Text"] = j;

ViewState["TextBox3.Text"] = k;

Label6.Text = i.ToString();

Label7.Text = k.ToString();

Label8.Text = j.ToString();

Label13.Text = i.ToString();

Label14.Text = k.ToString();

Label15.Text = j.ToString();

Label17.Text = 1.ToString();

ViewState["Count"] = 1;

}

else

{

Label6.Text = i.ToString();

Label7.Text = k.ToString();

Label8.Text = j.ToString();

int x, y, z;

x = (int)ViewState["TextBox1.Text"];

y = (int)ViewState["TextBox2.Text"];

z = (int)ViewState["TextBox3.Text"];

i = i + x;

j = j + y;

k = k + z;

Label13.Text = i.ToString();

Label14.Text = k.ToString();

Label15.Text = j.ToString();

ViewState["TextBox1.Text"] = i;

ViewState["TextBox2.Text"] = j;

ViewState["TextBox3.Text"] = k;

count = (int)ViewState["count"];

count = count + 1;

ViewState["count"] = count;

Label17.Text = count.ToString();

}

}

}

}

Output:-

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

**EXPERIMENT 7 :-**

1. Use  on\_command event handler  to handle multiple click events on page(insert delete, sort ascending, sort descending).

Code:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Experiment7.WebForm1" %>

<!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: 326px">

<br />

<asp:Button ID="Button1" runat="server" Text="Insert" CommandName="b1" OnCommand="CommandButton\_Click" />

<br />

<br />

<asp:Button ID="Button2" runat="server" Text="Delete" CommandName="b2" OnCommand="CommandButton\_Click" />

<br />

<br />

<asp:Button ID="Button3" runat="server" Text="Sort\_asce" CommandName="b3" OnCommand="CommandButton\_Click" CommandArgument="asce" />

<br />

<br />

<asp:Button ID="Button4" runat="server" Text="Sort\_desc" CommandName="b4" OnCommand="CommandButton\_Click" CommandArgument="desc" />

<br />

<br />

<asp:Label ID="Label1" runat="server"></asp:Label>

<br />

<br />

</div>

</form>

</body>

</html>

.aspx.cs:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Experiment7

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void CommandButton\_Click(object sender, CommandEventArgs e)

{

switch (e.CommandName)

{

case "b1":

Label1.Text="Inserting....";

break;

case "b2":

Label1.Text = "Deleting....";

break;

case "b3":

if (e.CommandArgument.ToString() == "asce")

{

Label1.Text = "This is ascending";

}

break;

case "b4":

if (e.CommandArgument.ToString() == "dsce")

{

Label1.Text = "This is descending";

}

break;

}

}

}

}

Output:-

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

1. Create a signup form using ASP.NET Webforms(radiobutton, checkbox, checkbox list, dropdownlist) and read data from XML file.

Code:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Form.aspx.cs" Inherits="Experiment7.Form" %>

<!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: 475px">

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label1" runat="server" Text="FORM"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label7" runat="server" Text="Result"></asp:Label>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Name:-"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label17" runat="server">Name:-</asp:Label>

&nbsp;

<asp:Label ID="Label8" runat="server"></asp:Label>

<br />

<br />

<asp:Label ID="Label13" runat="server" Text="Phone number:-"></asp:Label>

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label18" runat="server">Phone number:-</asp:Label>

&nbsp;

<asp:Label ID="Label14" runat="server"></asp:Label>

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="Age:-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label19" runat="server">Age:-</asp:Label>

<asp:Label ID="Label9" runat="server"></asp:Label>

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="Gender:-"></asp:Label>

&nbsp;

<asp:RadioButton ID="RadioButton1" runat="server" Text="Male" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:RadioButton ID="RadioButton2" runat="server" Text="Female" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label20" runat="server">Gender:-</asp:Label>

&nbsp;<asp:Label ID="Label10" runat="server"></asp:Label>

<br />

<br />

<asp:Label ID="Label5" runat="server" Text="Country:-"></asp:Label>

&nbsp;<asp:DropDownList ID="DropDownList1" runat="server" Height="16px" Width="98px">

</asp:DropDownList>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label21" runat="server">Country:-</asp:Label>

&nbsp;

<asp:Label ID="Label11" runat="server"></asp:Label>

<br />

<br />

<asp:Label ID="Label15" runat="server" Text="City:-"></asp:Label>

<asp:DropDownList ID="DropDownList2" runat="server">

<asp:ListItem>Mumbai</asp:ListItem>

<asp:ListItem>Delhi</asp:ListItem>

<asp:ListItem>Chennai</asp:ListItem>

<asp:ListItem>Kolkata</asp:ListItem>

<asp:ListItem>Hydrabad</asp:ListItem>

<asp:ListItem>Banglore</asp:ListItem>

</asp:DropDownList>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label22" runat="server">City:-</asp:Label>

&nbsp;

<asp:Label ID="Label16" runat="server"></asp:Label>

<br />

<br />

<asp:Label ID="Label6" runat="server" Text="Education:-"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label23" runat="server">Education:-</asp:Label>

&nbsp;

<asp:Label ID="Label12" runat="server"></asp:Label>

&nbsp;<asp:CheckBoxList ID="CheckBoxList1" runat="server" RepeatColumns="2">

<asp:ListItem>Diploma</asp:ListItem>

<asp:ListItem>Graduate</asp:ListItem>

<asp:ListItem>Post Graduate</asp:ListItem>

<asp:ListItem>Doctrate</asp:ListItem>

</asp:CheckBoxList>

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Submit" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Clear" />

<br />

<br />

&nbsp;

<br />

</div>

</form>

</body>

</html>

.aspx.cs:-

using System;

using System.Collections.Generic;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Experiment7

{

public partial class Form : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

DataSet DS = new DataSet();

DS.ReadXml(Server.MapPath("Country.xml"));

DropDownList1.DataTextField = "CountryName";

DropDownList1.DataValueField = "CountryId";

DropDownList1.DataSource = DS;

DropDownList1.DataBind();

}

}

protected void Button1\_Click(object sender, EventArgs e)

{

Label8.Text = TextBox1.Text;

Label9.Text = TextBox2.Text;

Label14.Text = TextBox3.Text;

if(RadioButton1.Checked == true & RadioButton2.Checked==false)

{

Label10.Text = RadioButton1.Text;

}

else if(RadioButton2.Checked == true & RadioButton1.Checked==false)

{

Label10.Text = RadioButton2.Text;

}

for (int i = 0; i < CheckBoxList1.Items.Count; i++)

{

if (CheckBoxList1.Items[i].Selected)

{

Label12.Text = CheckBoxList1.Items[i].Text;

}

}

for (int i = 0; i < DropDownList1.Items.Count; i++)

{

if (DropDownList1.Items[i].Selected)

{

Label11.Text = DropDownList1.Items[i].Text;

}

}

for (int i = 0; i < DropDownList2.Items.Count; i++)

{

if (DropDownList2.Items[i].Selected)

{

Label16.Text = DropDownList2.Items[i].Text;

}

}

}

protected void Button2\_Click(object sender, EventArgs e)

{

TextBox1.Text = "";

TextBox2.Text = "";

TextBox3.Text = "";

RadioButton1.Checked = false;

RadioButton2.Checked = false;

Label8.Text = "";

Label9.Text = "";

Label10.Text = "";

Label11.Text = "";

Label12.Text = "";

Label14.Text = "";

Label16.Text = "";

for (int i = 0; i < CheckBoxList1.Items.Count; i++)

{

if (CheckBoxList1.Items[i].Selected)

{

CheckBoxList1.Items[i].Selected = false;

}

}

}

}

}

.xml:-

<?xml version="1.0" encoding="utf-8" ?>

<Countries>

<Country>

<CountryId>101</CountryId>

<CountryName>India</CountryName>

</Country>

<Country>

<CountryId>102</CountryId>

<CountryName>US</CountryName>

</Country>

<Country>

<CountryId>103</CountryId>

<CountryName>Australia</CountryName>

</Country>

<Country>

<CountryId>104</CountryId>

<CountryName>UK</CountryName>

</Country>

</Countries>

Output:-

Submit data:-

Graphical user interface, text, application

Description automatically generated

Clearing data:-

Graphical user interface, text, application

Description automatically generated

**EXPERIMENT 8:-**

Create a signup form for students which include following field and store the data in database with name db\_yourname:

1. Roll No.(Primary key)
2. Student name
3. email
4. phone
5. DOB
6. high school marks in %
7. Marksheet upload(marksheet should be uploaded in student upload folder, the file must be a pdf and size should be less than 2MB).

Create 3 buttons to submit ,clear and update is in case of any wrong entry .

Code:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Experiment\_8.WebForm1" %>

<!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: 894px">

<asp:Label ID="Label1" runat="server" Text="Enter Roll no:-"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Enter student name:-"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="Enter E-mail:-"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="Enter Phone no:-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label5" runat="server" Text="Enter DOB:-"></asp:Label>

<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>

<asp:ImageButton ID="ImageButton1" runat="server" ImageUrl="~/Others/calender icon.png" style="height:20px" OnClick="ImageButton1\_Click" />

<br />

<asp:Calendar ID="Calendar1" runat="server" OnDayRender="Calendar1\_DayRender" OnSelectionChanged="Calendar1\_SelectionChanged"></asp:Calendar>

<br />

<br />

<br />

<asp:Label ID="Label6" runat="server" Text="Enter high school marks in %:-"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label7" runat="server" Text="Upload marksheet :-"></asp:Label>

&nbsp;<asp:FileUpload ID="FileUpload1" runat="server" />

&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button5" runat="server" Text="Upload" OnClick="Button5\_Click" />

&nbsp;&nbsp;

<asp:Label ID="Label8" runat="server" Text="Label"></asp:Label>

<br />

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Submit" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Display" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button3" runat="server" OnClick="Button3\_Click" Text="Clear" />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button4" runat="server" OnClick="Button4\_Click" Text="Update" />

<br />

<asp:GridView ID="GridView1" runat="server">

</asp:GridView>

</div>

</form>

</body>

</html>

.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.SqlClient;

using System.Drawing;

using System.IO;

namespace Experiment\_8

{

public partial class WebForm1 : System.Web.UI.Page

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;

AttachDbFilename=|DataDirectory|\grootdba.mdf;

Integrated Security=True");

protected void Page\_Load(object sender, EventArgs e)

{

if (con.State == ConnectionState.Open)

{ con.Close(); }

con.Open();

if (!IsPostBack)

{

Calendar1.Visible = false;

}

}

protected void Button1\_Click(object sender, EventArgs e)

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "insert into groot values('" + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "','" + TextBox4.Text + "','" + TextBox6.Text + "','" + TextBox5.Text + "')";

cmd.ExecuteNonQuery();

TextBox1.Text = "";

TextBox2.Text = "";

TextBox3.Text = "";

TextBox4.Text = "";

TextBox5.Text = "";

TextBox6.Text = "";

}

protected void Button2\_Click(object sender, EventArgs e)

{

display();

}

public void display()

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "select \* from groot";

cmd.ExecuteNonQuery();

DataTable dt = new DataTable();

SqlDataAdapter da = new SqlDataAdapter(cmd);

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

}

protected void Button3\_Click(object sender, EventArgs e)

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "Delete from [dbo].[groot] Where Roll no='" + TextBox1.Text + "'";

cmd.ExecuteNonQuery();

Response.Write("record is deleted");

TextBox1.Text = "";

}

protected void Button4\_Click(object sender, EventArgs e)

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

if(TextBox2.Text=="")

{

;

}

else

{

cmd.CommandText = "Update [dbo].[groot] set Studentname = '" + TextBox2.Text + "' where Roll No = '" + TextBox1.Text + "'";

cmd.ExecuteNonQuery();

Response.Write("Student name is updated");

}

if (TextBox3.Text == "")

{

;

}

else

{

cmd.CommandText = "Update [dbo].[groot] set Email = '" + TextBox3.Text + "' where Roll No = '" + TextBox1.Text + "'";

cmd.ExecuteNonQuery();

Response.Write("Email is updated");

}

if (TextBox4.Text == "")

{

;

}

else

{

cmd.CommandText = "Update [dbo].[groot] set Phoneno = '" + TextBox4.Text + "' where Roll No = '" + TextBox1.Text + "'";

cmd.ExecuteNonQuery();

Response.Write("Phone no is updated");

}

if (TextBox6.Text == "")

{

;

}

else

{

cmd.CommandText = "Update [dbo].[groot] set DOB = '" + TextBox6.Text + "' where Roll No = '" + TextBox1.Text + "'";

cmd.ExecuteNonQuery();

Response.Write("Date of birth is updated");

}

if (TextBox5.Text == "")

{

;

}

else

{

cmd.CommandText = "Update [dbo].[groot] set Marks = '" + TextBox5.Text + "' where Roll No = '" + TextBox1.Text + "'";

cmd.ExecuteNonQuery();

Response.Write("Marks is updated");

}

}

protected void Button5\_Click(object sender, EventArgs e)

{

if (FileUpload1.HasFile)

{

// Get the file extension

string fileExtension = System.IO.Path.GetExtension(FileUpload1.FileName);

if (fileExtension.ToLower() != ".doc" && fileExtension.ToLower() != ".docx")

{

Label8.ForeColor = System.Drawing.Color.Red;

Label8.Text = "Only files with .doc and .docx extension are allowed";

}

else

{

// Get the file size

int fileSize = FileUpload1.PostedFile.ContentLength;

// If file size is greater than 2 MB

if (fileSize > 2097152)

{

Label8.ForeColor = System.Drawing.Color.Red;

Label8.Text = "File size cannot be greater than 2 MB";

}

else

{

// Upload the file

FileUpload1.SaveAs(Server.MapPath("~/Files/" + FileUpload1.FileName));

Label8.ForeColor = System.Drawing.Color.Green;

Label8.Text = "File uploaded successfully";

}

}

}

else

{

Label8.ForeColor = System.Drawing.Color.Red;

Label8.Text = "Please select a file";

}

}

protected void ImageButton1\_Click(object sender, ImageClickEventArgs e)

{

if (Calendar1.Visible)

{

Calendar1.Visible = false;

}

else

{

Calendar1.Visible = true;

}

}

protected void Calendar1\_SelectionChanged(object sender, EventArgs e)

{

TextBox6.Text = Calendar1.SelectedDate.ToShortDateString();

Calendar1.Visible = false;

}

protected void Calendar1\_DayRender(object sender, DayRenderEventArgs e)

{

if (e.Day.IsWeekend || e.Day.IsOtherMonth)

{

e.Cell.BackColor = System.Drawing.Color.LightGray;

}

}

}

}

Output:-

Inserting values:-

Graphical user interface, text, application

Description automatically generated

Displaying values:-

Graphical user interface, application

Description automatically generated

Updating value:-

Graphical user interface, application

Description automatically generated

Deleting record:-

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

File upload:-

Graphical user interface, text, application, email

Description automatically generated

**EXPERIMENT 9:-**

Choose any of the ASP.NET controls(MULTIVIEW OR WIZARD) to create a signup form with below mentioned details:

1. Capture Personal details(fname,lname, gender (radiobutton), dob)

2. Capture Contact details(phone, email)

3. Display all details taken.

4. Submit the data to the database.

Code:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Experiment\_9.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title></title>

</head>

<body style="height: 529px">

<form id="form1" runat="server">

<div style="height: 559px">

&nbsp;&nbsp;

<br />

&nbsp;

<asp:Wizard ID="Wizard1" runat="server" ActiveStepIndex="2" OnNextButtonClick="Wizard1\_NextButtonClick" OnFinishButtonClick="Wizard1\_FinishButtonClick" Height="249px" >

<WizardSteps>

<asp:WizardStep ID="WizardStep1" runat="server" title="Fill-up your personal details:-">

<asp:Label ID="Label1" runat="server" Text="Enter name:-"></asp:Label>

<asp:TextBox ID="name" runat="server"></asp:TextBox>

<br>

<br></br>

<asp:Label ID="Label2" runat="server" Text="Enter age:-"></asp:Label>

<asp:TextBox ID="age" runat="server"></asp:TextBox>

<br>

<br></br>

<asp:Label ID="Label3" runat="server" Text="Enter date of birth:-"></asp:Label>

<asp:TextBox ID="dob" runat="server"></asp:TextBox>

<br>

<br></br>

<asp:Label ID="Label4" runat="server" Text="Select gender:-"></asp:Label>

<asp:RadioButton ID="RadioButton1" runat="server" Text="Male" />

<asp:RadioButton ID="RadioButton2" runat="server" Text="Female" />

</br>

</br>

</br>

<br>

</br>

</asp:WizardStep>

<asp:WizardStep ID="WizardStep2" runat="server" title="Fill-up your contact details:- ">

<asp:Label ID="Label5" runat="server" Text="Enter your Mobile no:-"></asp:Label>

<asp:TextBox ID="mobileno" runat="server"></asp:TextBox>

<br>

</br>

<asp:Label ID="Label6" runat="server" Text="Enter your E-mail:-"></asp:Label>

<asp:TextBox ID="email" runat="server"></asp:TextBox>

</asp:WizardStep>

<asp:WizardStep ID="WizardStep3" runat="server" title="Check and confirm your details:- ">

<asp:Label ID="Label7" runat="server" Text="Name:-"></asp:Label>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label8" runat="server" Text="Age:-"></asp:Label>

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label9" runat="server" Text="Date of birth:-"></asp:Label>

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label10" runat="server" Text="Gender:-"></asp:Label>

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label11" runat="server" Text="Mobile no:-"></asp:Label>

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label12" runat="server" Text="E-mail:-"></asp:Label>

<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>

</asp:WizardStep>

</WizardSteps>

</asp:Wizard>

<br />

<br />

<br />

<asp:GridView ID="GridView1" runat="server">

</asp:GridView>

</div>

</form>

</body>

</html>

.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.SqlClient;

namespace Experiment\_9

{

public partial class WebForm1 : System.Web.UI.Page

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\wizard.mdf;Integrated Security=True");

protected void Page\_Load(object sender, EventArgs e)

{

if (con.State == ConnectionState.Open)

{ con.Close(); }

con.Open();

if (!IsPostBack)

{

TextBox1.Text = "";

TextBox2.Text = "";

TextBox3.Text = "";

TextBox4.Text = "";

TextBox5.Text = "";

TextBox6.Text = "";

name.Text = "";

age.Text = "";

dob.Text = "";

mobileno.Text = "";

email.Text = "";

RadioButton1.Checked = false;

RadioButton2.Checked = false;

}

}

protected void Wizard1\_NextButtonClick(object sender, WizardNavigationEventArgs e)

{

if (e.NextStepIndex == 2)

{

TextBox1.Text = name.Text;

TextBox2.Text = age.Text;

TextBox3.Text = dob.Text;

if (RadioButton1.Checked == true && RadioButton2.Checked==false)

{

Response.Write(TextBox4.Text = "Male");

}

else if (RadioButton2.Checked == true && RadioButton1.Checked==false)

{

Response.Write(TextBox4.Text = "Female");

}

else

{

Response.Write(TextBox4.Text = "Invalid selection");

}

TextBox5.Text = mobileno.Text;

TextBox6.Text = email.Text;

}

}

protected void Wizard1\_FinishButtonClick(object sender, WizardNavigationEventArgs e)

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "insert into wizard values('" + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "','" + TextBox4.Text + "','" + TextBox5.Text + "','" + TextBox6.Text + "')";

cmd.ExecuteNonQuery();

TextBox1.Text = "";

TextBox2.Text = "";

TextBox3.Text = "";

TextBox4.Text = "";

TextBox5.Text = "";

TextBox6.Text = "";

display();

}

public void display()

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "select \* from wizard";

cmd.ExecuteNonQuery();

DataTable dt = new DataTable();

SqlDataAdapter da = new SqlDataAdapter(cmd);

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

}

}

}

Output:-

Personal details:-

Graphical user interface, application

Description automatically generated

Contact details:-

Graphical user interface, text, application

Description automatically generated

Final details:-

Graphical user interface, text

Description automatically generated

Database:-

Graphical user interface, text, application

Description automatically generated

**EXPERIMENT 10:-**

Create a signup form for students which include following field and store the data in database with name db\_yourname, Apply below mentioned validators on it:

1. Roll No.(Primary key) (Exactly of length 4)(required field)
2. Student name  (required field )
3. email (should accept only valid emails)
4. phone ( length at-least 10)
5. age (should be between 18 to 40)
6. high school marks in %

Display red star mark if the required field is not entered by user.

perform both server side and client side validation.

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Experiment\_10.WebForm1" %>

<!DOCTYPE html>

<appSettings>

<add key="ValidationSettings:UnobtrusiveValidationMode" value="WebForms" />

</appSettings>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<link href="StyleSheet1.css" rel="stylesheet" />

<title></title>

</head>

<body>

<form id="form1" runat="server">

<div class="cnt">

<div class ="det">

<asp:Label ID="Label1" runat="server" Text="Enter Roll no:-"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" BackColor="Black" BorderStyle="Solid" BorderWidth="1px" ControlToValidate="TextBox1" ErrorMessage="\* Roll no is required" ForeColor="Red"></asp:RequiredFieldValidator>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Enter student name:-"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" BackColor="Black" BorderStyle="Solid" BorderWidth="1px" ControlToValidate="TextBox2" ErrorMessage="\* Name is required" ForeColor="Red"></asp:RequiredFieldValidator>

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="Enter E-mail:-"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" BackColor="Black" BorderStyle="Solid" BorderWidth="1px" ControlToValidate="TextBox3" ErrorMessage="\* E-mail is not valid" ForeColor="Red" ValidationExpression="\w+([-+.']\w+)\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*"></asp:RegularExpressionValidator>

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="Enter Phone no:-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server" BackColor="Black" BorderStyle="Solid" BorderWidth="1px" ControlToValidate="TextBox4" ErrorMessage="\* Phone no is required" ForeColor="Red"></asp:RequiredFieldValidator>

<br />

<br />

<asp:Label ID="Label5" runat="server" Text="Enter age:-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

&nbsp;<asp:RangeValidator ID="RangeValidator1" runat="server" BackColor="Black" BorderStyle="Solid" BorderWidth="1px" ControlToValidate="TextBox5" ErrorMessage="\* Age should be 18 to 40" ForeColor="Red" MaximumValue="40" MinimumValue="18" Type="Integer"></asp:RangeValidator>

<br />

<br />

<asp:Label ID="Label6" runat="server" Text="Enter high school marks :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" BackColor="Black" BorderStyle="Solid" BorderWidth="1px" ControlToValidate="TextBox6" ErrorMessage="\* Marks in %" ForeColor="Red"></asp:RequiredFieldValidator>

<br />

<br />

<br />

</div>

<div>

<asp:Button ID="Button1" runat="server" Text="Submit" OnClick="Button1\_Click" class="btn"/>

<br />

<br />

</div>

<div class="lb1">

<asp:Label ID="Label7" runat="server"></asp:Label>

<br />

<br />

</div>

</div>

</form>

</body>

</html>

.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.SqlClient;

namespace Experiment\_10

{

public partial class WebForm1 : System.Web.UI.Page

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;

AttachDbFilename=|DataDirectory|\datav.mdf;

Integrated Security=True");

protected void Page\_Load(object sender, EventArgs e)

{

if (con.State == ConnectionState.Open)

{ con.Close(); }

con.Open();

}

protected void Button1\_Click(object sender, EventArgs e)

{

if (Page.IsValid)

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "insert into validdb values('" + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "','" + TextBox4.Text + "','" + TextBox5.Text + "','" + TextBox6.Text + "')";

cmd.ExecuteNonQuery();

Label7.Text = "Data is saved";

TextBox1.Text = "";

TextBox2.Text = "";

TextBox3.Text = "";

TextBox4.Text = "";

TextBox5.Text = "";

TextBox6.Text = "";

}

else

{

Label7.Text = "Data is not valid and it is not saved ";

}

}

}

}

.css:-

body {

margin: 5px;

padding: 5px;

text-align: center;

}

.det {

margin: 5px;

padding: 5px;

}

.cnt {

border: solid black;

border-width: 2px;

background-color: orange;

}

#Button1{

text-color:black;

background-color:lightgoldenrodyellow;

border:solid black;

border-width:1px;

border-radius:5px;

}

.lb1{

}

Output:-

Client side validation:-

Chart

Description automatically generated with low confidence

Server side validation :-

Graphical user interface

Description automatically generated

**Lab 11:-**

1. Create an ASP.NET webform for login page authentication which includes cookies to remember the id and password. If user is authenticated navigate to the page which shows users personal details(name,phone email,address,hobbies). Apply CSS.d

Create two tables one userlogin(id,password) another userdata(id,name,email,phone,hobbies)

Sol:-

webform1.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Experiment\_11.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<link href="StyleSheet1.css" rel="stylesheet" />

<title></title>

</head>

<body>

<form id="form1" runat="server">

<div class="pg1">

<br />

<asp:Label ID="Label1" runat="server" Text="Enter user Id :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Enter user Password :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="Enter user name :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label5" runat="server" Text="Enter user mail :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label6" runat="server" Text="Enter user phone no :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label7" runat="server" Text="Enter user hobbies :-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Submit" style="margin-right: 0px" />

<br />

<br />

<asp:HyperLink ID="HyperLink1" runat="server" NavigateUrl="~/WebForm2.aspx">Click here for login </asp:HyperLink>

<br />

<br />

<asp:Label ID="Label3" runat="server"></asp:Label>

</div>

</form>

</body>

</html>

webform2.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="Experiment\_11.WebForm2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<link href="StyleSheet1.css" rel="stylesheet" />

<title></title>

</head>

<body>

<form id="form1" runat="server">

<div class="pg2">

<br />

<asp:Label ID="Label1" runat="server" Text="User ID:-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="User Password:-"></asp:Label>

&nbsp;

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<br />

<asp:CheckBox ID="CheckBox1" runat="server" Text="Remember credentials" />

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Login" />

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>

</div>

</form>

</body>

</html>

webform3.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs" Inherits="Experiment\_11.WebForm3" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<link href="StyleSheet1.css" rel="stylesheet" />

<title></title>

</head>

<body>

<form id="form1" runat="server">

<div class="pg3">

<asp:GridView ID="GridView1" runat="server">

</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;

using System.Data;

using System.Data.SqlClient;

namespace Experiment\_11

{

public partial class WebForm1 : System.Web.UI.Page

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;

AttachDbFilename=|DataDirectory|\Database1.mdf;

Integrated Security=True");

protected void Page\_Load(object sender, EventArgs e)

{

if (con.State == ConnectionState.Open)

{ con.Close(); }

con.Open();

}

protected void Button1\_Click(object sender, EventArgs e)

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "insert into userdetails values('" + TextBox1.Text + "','" + TextBox3.Text + "','" + TextBox4.Text + "','" + TextBox5.Text + "','" + TextBox6.Text + "')";

cmd.ExecuteNonQuery();

cmd.CommandText = "insert into userlogin values('" + TextBox1.Text + "','" + TextBox2.Text + "')";

cmd.ExecuteNonQuery();

TextBox1.Text = "";

TextBox2.Text = "";

TextBox3.Text = "";

TextBox4.Text = "";

TextBox5.Text = "";

TextBox6.Text = "";

Label3.Text = "Data is Saved you can go for login ";

}

}

}

webform2.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.SqlClient;

namespace Experiment\_11

{

public partial class WebForm2 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database1.mdf;Integrated Security=True");

con.Open();

String str = "select count(\*) from userlogin where Id='" + TextBox1.Text + "' and password ='" + TextBox2.Text +"'";

SqlCommand cmd = new SqlCommand(str,con);

int obj = Convert.ToInt32(cmd.ExecuteScalar());

if (obj > 0)

{

if (CheckBox1.Checked == true)

{

HttpCookie c = new HttpCookie("userdata");

c["id"] = TextBox1.Text;

c["password"] = TextBox2.Text;

c.Expires = DateTime.Now.AddDays(1);

Response.Cookies.Add(c);

}

Response.Redirect("~/WebForm3.aspx");

}

else

{

Label3.Text = "invalid username or password";

}

}

}

}

webform3.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.SqlClient;

namespace Experiment\_11

{

public partial class WebForm3 : System.Web.UI.Page

{

String value;

protected void Page\_Load(object sender, EventArgs e)

{

HttpCookie c2 = Request.Cookies["userdata"];

if (c2 != null)

{

value = c2["id"];

display();

}

}

public void display()

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;

AttachDbFilename=|DataDirectory|\Database1.mdf;

Integrated Security=True");

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "select \* from userdetails where Id='" + value + "'";

cmd.ExecuteNonQuery();

DataTable dt = new DataTable();

SqlDataAdapter da = new SqlDataAdapter(cmd);

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

}

}

}

.css:-

body {

margin: 5px;

padding: 5px;

text-align: center;

font-family: monospace;

font-size:16px;

}

.pg1 {

background-color: cyan;

border: solid black;

border-width: 3px;

}

.pg2 {

background-color: cyan;

border: solid black;

border-width: 3px;

}

.pg2 {

background-color: cyan;

border: solid black;

border-width: 3px;

}

#Button1 {

text-color: black;

background-color: steelblue;

border: solid black;

border-width: 1px;

border-radius: 5px;

}

Output:-

User Details page:-

* Before submitting:-

Graphical user interface, application

Description automatically generated

* After submitting:-

Graphical user interface

Description automatically generated

User login page:-

Graphical user interface, text, application

Description automatically generated

Specific user shown details :-

Graphical user interface, text, application

Description automatically generated

Cookies:-

Graphical user interface

Description automatically generated

**Experiment 12:-**

1. Create a webform to represent the LINQ query. Write LINQ query which reads a string and displays it.

Sol:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Experiment12.WebForm1" %>

<!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: 313px">

<asp:GridView ID="GridView1" runat="server">

</asp:GridView>

<br />

</div>

</form>

</body>

</html>

.aspx.cs:-

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Experiment12

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

DataClasses1DataContext dt = new DataClasses1DataContext();

GridView1.DataSource = from Prathm in dt.Prathms

where Prathm.Id==100

select Prathm;

GridView1.DataBind();

}

}

}

Output:-

Table data

A screenshot of a computer

Description automatically generated with medium confidence

Webpage:-

Graphical user interface, application, Word

Description automatically generated

1. Create a login page and use LINQ queries to perform insert update delete and display operation.

Sol:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="Experiment12.WebForm2" %>

<!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: 571px">

<asp:Label ID="Label1" runat="server" Text="Enter Id:-"></asp:Label>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Enter Name:-"></asp:Label>

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="Enter Phone no:-"></asp:Label>

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="Enter Email:-"></asp:Label>

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label5" runat="server" Text="Enter Password:-"></asp:Label>

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

<br />

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Insert" />

&nbsp;&nbsp;

<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Display" />

&nbsp;&nbsp;

<asp:Button ID="Button3" runat="server" OnClick="Button3\_Click" Text="Update" />

&nbsp;&nbsp;

<asp:Button ID="Button4" runat="server" OnClick="Button4\_Click" Text="Delete" />

&nbsp;<br />

<br />

<asp:Label ID="Label6" runat="server"></asp:Label>

<br />

<asp:GridView ID="GridView1" runat="server">

</asp:GridView>

</div>

</form>

</body>

</html>

.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.SqlClient;

namespace Experiment12

{

public partial class WebForm2 : System.Web.UI.Page

{

loginformlinqDataContext dt = new loginformlinqDataContext();

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

int id = Int32.Parse(TextBox1.Text);

String name = TextBox2.Text;

String phone = TextBox3.Text;

String email = TextBox4.Text;

String password = TextBox5.Text;

login dtl = new login

{

Id = id,

Name = name,

Phoneno = phone,

Email = email,

Password = password

};

dt.logins.InsertOnSubmit(dtl);

dt.SubmitChanges();

Label6.Text = "Successfully inserted";

}

protected void Button2\_Click(object sender, EventArgs e)

{

GridView1.DataSource = from login in dt.logins

select login;

GridView1.DataBind();

}

protected void Button3\_Click(object sender, EventArgs e)

{

int id = Int32.Parse(TextBox1.Text);

String name = TextBox2.Text;

String phone = TextBox3.Text;

String email = TextBox4.Text;

String password = TextBox5.Text;

var result = (from login in dt.logins

where login.Id == id

select login).First();

result.Name = name;

result.Phoneno = phone;

result.Email = email;

result.Password = password;

dt.SubmitChanges();

Label6.Text = "Successfully updated";

}

protected void Button4\_Click(object sender, EventArgs e)

{

int id = Int32.Parse(TextBox1.Text);

var result = (from login in dt.logins

where login.Id == id

select login).First();

dt.logins.DeleteOnSubmit(result);

dt.SubmitChanges();

Label6.Text = "Successfully deleted";

}

}

}

Output:-

Create:-

Graphical user interface, application, Word

Description automatically generated

Display

Graphical user interface, application, Word

Description automatically generated

Update

Graphical user interface, application, Word

Description automatically generated

Delete

Graphical user interface, application, Word

Description automatically generated

1. Create a webform to show form based authentication in ASP.NET.

Sol:-

.aspx:-

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="login.aspx.cs" Inherits="Experiment\_12\_\_3\_.login" %>

<!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: 294px">

<asp:Label ID="Label1" runat="server" Text="Enter name :-"></asp:Label>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Enter password :-"></asp:Label>

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<br />

<asp:CheckBox ID="CheckBox1" runat="server" Text="Remember me " />

<br />

<br />

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="login" />

<br />

<br />

<asp:Label ID="Label3" runat="server"></asp:Label>

<br />

<br />

</div>

</form>

</body>

</html>

.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.Web.Security;

namespace Experiment\_12\_\_3\_

{

public partial class login : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

if (FormsAuthentication.Authenticate(TextBox1.Text, TextBox2.Text))

{

FormsAuthentication.RedirectFromLoginPage(TextBox1.Text, CheckBox1.Checked);

}

else

{

Label3.Text = "Invalid username and password";

}

}

}

}

Webconfig:-

<?xml version="1.0" encoding="utf-8"?>

<!--

For more information on how to configure your ASP.NET application, please visit

https://go.microsoft.com/fwlink/?LinkId=169433

-->

<configuration>

<system.web>

<compilation debug="true" targetFramework="4.7.2" />

<httpRuntime targetFramework="4.7.2" />

<authentication mode="Forms">

<forms loginUrl ="login.aspx" timeout="30" defaultUrl="Welcome.aspx" protection="All">

<credentials passwordFormat="Clear">

<user name="Prathmesh" password="1234"/>

<user name="ggwp" password="123"/>

<user name="xyz" password="121"/>

</credentials>

</forms>

</authentication>

<authorization>

<deny users="?"/>

</authorization>

</system.web>

<system.codedom>

<compilers>

<compiler language="c#;cs;csharp" extension=".cs" type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default /nowarn:1659;1699;1701" />

<compiler language="vb;vbs;visualbasic;vbscript" extension=".vb" type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default /nowarn:41008 /define:\_MYTYPE=\&quot;Web\&quot; /optionInfer+" />

</compilers>

</system.codedom>

</configuration>

Output:-

Giving input not from list

Graphical user interface, application, Word

Description automatically generated

Giving input from list

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application, Word

Description automatically generated