**.NET TECHNOLOGIES**

**(01CE0523)**

**Lab Manual**

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| --- | --- |
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**INDEX**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Lab** | **Program** | **Date** | **Marks** | **Signature** |
| 1. | Program on Class, Object and Constructor |  |  |  |
| 2. | Program on Inheritance and Interface |  |  |  |
| 3. | Program on Polymorphism and Exception Handling |  |  |  |
| 4. | Create web application using ASP.Net Web Controls |  |  |  |
| 5. | Create web application using ASP.Net Rich Controls |  |  |  |
| 6. | Create web application using ASP.Net Validation Controls |  |  |  |
| 7. | Program on Session and Cookie |  |  |  |
| 8. | Creating web application using MVC |  |  |  |
| 9. | Create web application that performs CRUD operation using ADO.Net |  |  |  |
| 10. | Create Web application which use Data Controls like Repeater, DataList, DataGrid |  |  |  |
| 11. | Program for Creating and using APIs |  |  |  |

**Experiment 1**

**AIM : Program on Class, Object and Constructor**

**Code:** using System;

public class Student

{

String name;

double cgpi;

int sem;

public Student() {

Console.WriteLine("1. Calling parameterless constructor...");

}

public Student(String name)

{

this.name = name;

Console.WriteLine("2. Name: "+ this.name);

}

public Student(String name, double cgpi)

{

this.name = name;

this.cgpi = cgpi;

Console.WriteLine("3. Name: "+ this.name + " CGPI: "+ this.cgpi);

}

public Student(String name, double cgpi, int sem)

{

this.name = name;

this.cgpi = cgpi;

this.sem = sem;

Console.WriteLine("4. Name: "+ this.name + " CGPI: "+ this.cgpi +" Sem: "+ this.sem);

}

public static void Main(String[] args)

{

Console.WriteLine("Menu\n");

Console.WriteLine("1. Parameterless Constructor...");

Console.WriteLine("2. Constructor with one parameter...");

Console.WriteLine("3. Constructor with two parameter...");

Console.WriteLine("4. Constructor with three parameter...");

Console.WriteLine("Enter: ");

int n = Convert.ToInt32(Console.ReadLine());

switch (n)

{

case 1: Student s1 = new Student();

break;

case 2: Student s2 = new Student("Asif");

break;

case 3: Student s3 = new Student("Asif", 9.32);

break;

case 4: Student s4 = new Student("Asif", 9.32, 5);

break;

default: Console.WriteLine("Invalid Input");

break;

}

}

}

**Output:**

**A screenshot of a computer

Description automatically generated**

**Experiment 2**

**AIM : Program on Inheritance and Interface**

**Code:** interface C1{

void methodC1();

}

interface C2{

void methodC2();

}

interface C3{

void methodC3();

}

public class IC : C1, C2, C3{

public void methodC1(){

Console.WriteLine("Method C1");

}

public void methodC2(){

Console.WriteLine("Method C2");

}

public void methodC3(){

Console.WriteLine("Method C3");

}

}

public class R1{

public void methodR1(){

Console.WriteLine("MethodR1");

}

}

class R11 : R1{

public void methodR11(){

Console.WriteLine("MethodR11");}}

class R12 : R1{

public void methodR12(){

Console.WriteLine("MethodR12");

}

}

class R111 : R11{

public void methodR111(){

Console.WriteLine("MethodR111");

}

}

class R112 : R12{

public void methodR112(){

Console.WriteLine("MethodR112");

}

}

public class Prac2{

public static void Main(String[] args){

IC obj1 = new IC();

obj1.methodC1();

obj1.methodC2();

obj1.methodC3();

R111 r1 = new R111();

r1.methodR1();

r1.methodR11();

r1.methodR111();

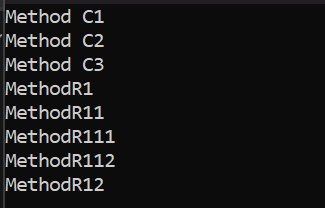
R112 r2 = new R112();

r2.methodR112();

r2.methodR12();

}}

**Output:**

****

**Experiment 3**

**AIM: Program on Polymorphism and Exception Handling**

**Code:**

public class Calculator{

public void Add(int a, int b){

Console.WriteLine("Add: "+a + " + " + b + ": "+(a+b));

}

public void Add(int a, int b, int c){

Console.WriteLine("Add: "+a + " + " + b + " + "+ c + ": "+(a+b+c));

}

public int Divide(int a, int b){

int d = a / b;

return d;

}

public void Display(){

Console.WriteLine("Calculator Display");

}

}

public class C2{

public void Display(){

Console.WriteLine("C2 Display");

}

}

class Prac3{

public static void Main(String [] args){

Console.WriteLine("Choose :\n");

Console.WriteLine("1. Polymorphism");

Console.WriteLine("2. Exception Handling\n");

int n = Convert.ToInt32(Console.ReadLine());

switch (n){

case 1: Calculator c = new Calculator();

C2 c2 = new C2();

c.Add(1, 2);

c.Add(2, 3, 4);

c.Display();

c2.Display();

break;

case 2: Console.WriteLine("Exception Handling...");

Calculator c1 = new Calculator();

try{

int d = c1.Divide(10, 0);

}catch(ArithmeticException e){

Console.WriteLine(e);

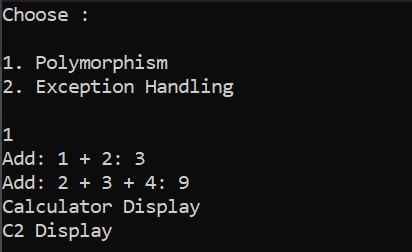
}

break;

}

}

}

**Output:**

**A screen shot of a computer

Description automatically generated**

**Experiment 4**

**AIM: Create web application using ASP.Net Web Controls**

**Code:**

**WebForm1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication4.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Registration Form</title>

<style>

body {

font-family: Arial, sans-serif;

background-color: #f4f4f9;

color: #333;

margin: 0;

padding: 20px;

}

h2 {

text-align: center;

color: #4CAF50;

}

form {

max-width: 600px;

margin: 0 auto;

padding: 20px;

background-color: #fff;

border: 1px solid #ddd;

border-radius: 5px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

label {

font-weight: bold;

display: block;

margin-bottom: 5px;

}

input[type="text"],

input[type="password"],

textarea,

select {

width: 100%;

padding: 10px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 4px;

}

textarea {

resize: vertical;

}

select {

cursor: pointer;

}

input[type="file"] {

margin-top: 10px;

}

input[type="checkbox"],

input[type="radio"] {

margin-right: 10px;

}

button, input[type="submit"], input[type="button"] {

width: 100%;

padding: 10px;

background-color: #4CAF50;

border: none;

color: white;

font-size: 16px;

cursor: pointer;

border-radius: 4px;

}

button:hover, input[type="submit"]:hover, input[type="button"]:hover {

background-color: #45a049;

}

.radio-list, .listbox {

margin-bottom: 15px;

}

.calendar {

margin-top: 15px;

}

a {

color: #4CAF50;

text-decoration: none;

}

a:hover {

text-decoration: underline;

}

#SubmittedSection {

margin-top: 30px;

}

label[visible="false"] {

display: none;

}

</style>

</head>

<body>

<form id="form1" runat="server" enctype="multipart/form-data">

<div>

<h2>Registration Form</h2>

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

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

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

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

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

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

<asp:Label ID="LabelRating" runat="server" Text="Semester (1 to 5):"></asp:Label>

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

<asp:ListItem Value="1">Sem 1</asp:ListItem>

<asp:ListItem Value="2">Sem 2</asp:ListItem>

<asp:ListItem Value="3">Sem 3</asp:ListItem>

<asp:ListItem Value="4">Sem 4</asp:ListItem>

<asp:ListItem Value="5">Sem 5</asp:ListItem>

</asp:DropDownList>

<asp:Label ID="LabelComments" runat="server" Text="Tell me about yourself:"></asp:Label>

<asp:TextBox ID="TextBoxComments" runat="server" TextMode="MultiLine" Rows="5" Columns="40"></asp:TextBox>

<asp:Label ID="LabelAttachment" runat="server" Text="Upload CV (optional):"></asp:Label>

<asp:FileUpload ID="FileUploadAttachment" runat="server" />

<br />

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

<asp:RadioButtonList ID="RadioButtonListFeedbackType" runat="server">

<asp:ListItem Value="Computer">Computer</asp:ListItem>

<asp:ListItem Value="Mechanical">Mechanical</asp:ListItem>

<asp:ListItem Value="Civil">Civil</asp:ListItem>

</asp:RadioButtonList>

<asp:Label ID="LabelFeedbackTopics" runat="server" Text="Career Options:" />

<br />

<asp:ListBox ID="ListBoxFeedbackTopics" runat="server" SelectionMode="Multiple" Height="100px" Width="200px">

<asp:ListItem Text="Website Developer" Value="Website Developer" />

<asp:ListItem Text="Customer Developer" Value="App Developer" />

<asp:ListItem Text="Product Manager" Value="Product Manager" />

<asp:ListItem Text="Cyber" Value="Cyber" />

<asp:ListItem Text="Other" Value="Other" />

</asp:ListBox>

<br />

<asp:Label ID="LabelDateOfPurchase" runat="server" Text="Date of Graduation:"></asp:Label>

<asp:Calendar ID="CalendarDateOfPurchase" runat="server"></asp:Calendar>

<asp:CheckBox ID="CheckBoxTerms" runat="server" Text="I agree to the " />

<asp:HyperLink ID="HyperLinkTerms" runat="server" Text="Terms and Conditions" NavigateUrl="https://www.example.com" />

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

<asp:Label ID="LabelSubmittedName" runat="server" Text="Name:" Visible="false" />

<asp:Label ID="SubmittedName" runat="server" Visible="false" />

<asp:Label ID="LabelSubmittedEmail" runat="server" Text="Email:" Visible="false" />

<asp:Label ID="SubmittedEmail" runat="server" Visible="false" />

<asp:Label ID="LabelSubmittedRating" runat="server" Text="Sem:" Visible="false" />

<asp:Label ID="SubmittedRating" runat="server" Visible="false" />

<br />

<asp:Label ID="LabelSubmittedComments" runat="server" Text="About:" Visible="false" />

<asp:Label ID="SubmittedComments" runat="server" Visible="false" />

<br />

<asp:Label ID="LabelSubmittedAttachment" runat="server" Text="CV:" Visible="false" />

<asp:Label ID="SubmittedAttachment" runat="server" Visible="false" />

<br />

<asp:Label ID="LabelSubmittedFeedbackType" runat="server" Text="Branch:" Visible="false" />

<asp:Label ID="SubmittedFeedbackType" runat="server" Visible="false" />

<br />

<asp:Label ID="LabelSubmittedFeedbackTopics" runat="server" Text="Career Options:" Visible="false" />

<asp:Label ID="SubmittedFeedbackTopics" runat="server" Visible="false" />

<br />

<asp:Label ID="LabelSubmittedDateOfPurchase" runat="server" Text="Date of Graduation:" Visible="false" />

<asp:Label ID="SubmittedDateOfPurchase" runat="server" Visible="false" />

</div>

</form>

</body>

</html>

**WebForm1.aspx.cs**

using System;

using System.Linq;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication4

{

public partial class WebForm1 : Page

{

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

{

if (!IsPostBack)

{

ToggleVisibility(false);

CalendarDateOfPurchase.SelectedDate = DateTime.Now;

}

}

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

{

SubmittedName.Text = TextBoxName.Text;

SubmittedEmail.Text = TextBoxEmail.Text;

SubmittedRating.Text = DropDownListRating.SelectedItem.Text;

SubmittedComments.Text = TextBoxComments.Text;

SubmittedFeedbackType.Text = RadioButtonListFeedbackType.SelectedItem.Text;

SubmittedDateOfPurchase.Text = CalendarDateOfPurchase.SelectedDate.ToShortDateString();

if (FileUploadAttachment.HasFile){

SubmittedAttachment.Text = FileUploadAttachment.FileName;

}

else{

SubmittedAttachment.Text = "No attachment uploaded";

}

SubmittedFeedbackTopics.Text = string.Join(", ", ListBoxFeedbackTopics.Items.Cast<ListItem>().Where(i => i.Selected).Select(i => i.Text));

ToggleVisibility(true);}

private void ToggleVisibility(bool isVisible){

LabelSubmittedName.Visible = isVisible;

SubmittedName.Visible = isVisible;

LabelSubmittedEmail.Visible = isVisible;

SubmittedEmail.Visible = isVisible;

LabelSubmittedRating.Visible = isVisible;

SubmittedRating.Visible = isVisible;

LabelSubmittedComments.Visible = isVisible;

SubmittedComments.Visible = isVisible;

LabelSubmittedAttachment.Visible = isVisible;

SubmittedAttachment.Visible = isVisible;

LabelSubmittedFeedbackType.Visible = isVisible;

SubmittedFeedbackType.Visible = isVisible;

LabelSubmittedFeedbackTopics.Visible = isVisible;

SubmittedFeedbackTopics.Visible = isVisible;

LabelSubmittedDateOfPurchase.Visible = isVisible;

SubmittedDateOfPurchase.Visible = isVisible;

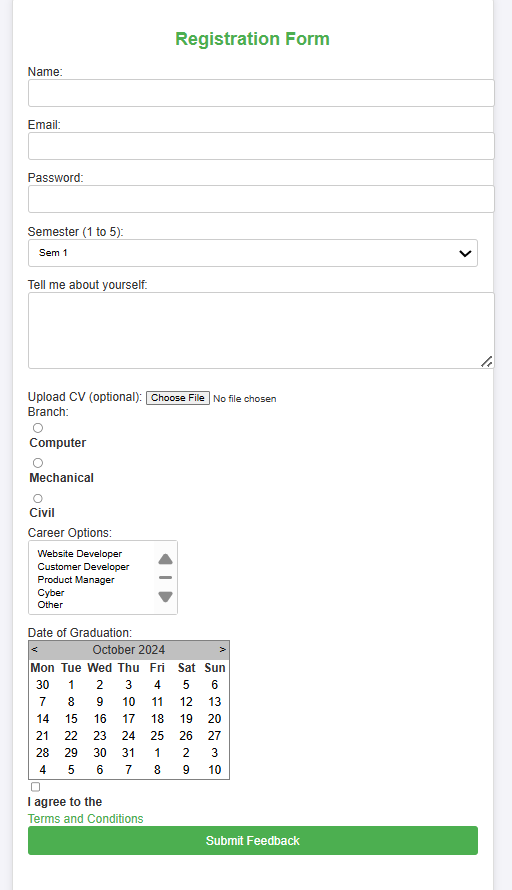
}

}

}

**Output:**

**A screenshot of a computer

Description automatically generated**

**Experiment 5**

**AIM: Create web application using ASP.Net Rich Controls**

**Code:**

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

Inherits="Practical\_5.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Practical\_5</title>

<style>

body{

align-items:center;

background-color:burlywood

}

.horizontal-layout {

display: flex;

flex-direction: column;

background:center;

color:black;

align-items:center

}

.item {

margin: 10px;

padding: 10px;

border: 1px solid #ccc;

}

#calendar{

margin :30px;

align-items:center;

}

.auto-style1 {

margin-bottom: 25px;

}

</style>

</head>

<body>

<form id="form2" runat="server">

<div class="horizontal-layout">

<div>

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

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

</div>

<asp:Button ID="Button1" runat="server" Text="Upload" OnClick="Button1\_Click" Height="46px"

Width="88px" BackColor="#996600" />

<br />

<br />

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

<br />

<div ID="calendar">

<asp:Calendar ID="Calendar1" runat="server" BorderColor="Black"

BorderStyle="Solid" BorderWidth="5px" DayNameFormat="Full" ShowGridLines="True"

SelectedDate="09/24/2024 14:09:57">

<DayStyle BackColor="#CCCCCC" />

<SelectedDayStyle BackColor="#FFFF66" />

<SelectorStyle BackColor="Yellow" />

<TitleStyle BackColor="#CCCCCC" BorderColor="#990000" BorderStyle="Solid" />

<TodayDayStyle BackColor="#CC00CC" />

</asp:Calendar>

<br />

<asp:Button ID="Button2" runat="server" CssClass="auto-style1" Height="58px"

OnClick="Button2\_Click" Text=" Submit After Selected date " Width="262px" />

<br />

<br />

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

<br /> </div> </div> </form>

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

**RichControl.cs**

using System;

using System.Text;

namespace Practical\_5 {

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

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

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

StringBuilder sb = new StringBuilder();

if (FileUpload1.HasFile){

try {

sb.AppendFormat("Uploaded file: {0}<br/> File Name: {1}<br/> File type:

{2}<br/> File length: {3}",

FileUpload1.FileName,

FileUpload1.PostedFile.FileName,

FileUpload1.PostedFile.ContentType,

FileUpload1.FileBytes.Length);

FileUpload1.SaveAs(@"C:\" + FileUpload1.FileName);

}

catch (Exception ex) {

sb.Append(ex.Message);

}

}

Label1.Text = sb.ToString();

}

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

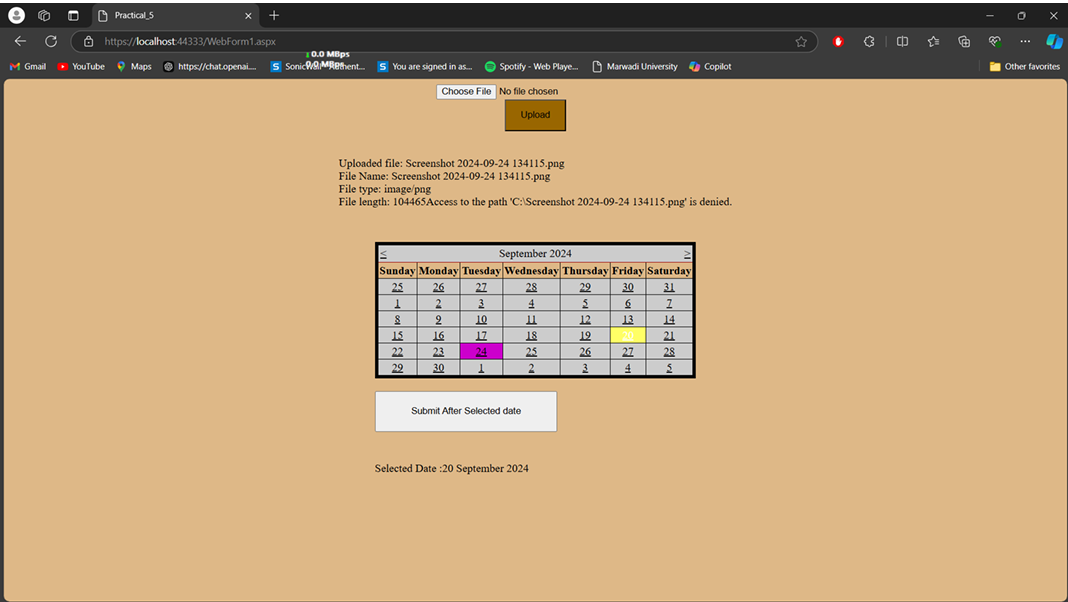
Label2.Text = "Selected Date :" + Calendar1.SelectedDate.ToLongDateString();

}

}

}

**Output:**

****

**Experiment 6**

**Aim : Create web application using ASP.Net Validation Controls**

**Default.aspx**

**Code:**

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

<!DOCTYPE html>

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

<head runat="server">

<title>Validation Example</title>

<script

src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<style>

body {

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

}

form {

background-color: #f2f2f2;

padding: 20px;

border-radius: 10px;

box-shadow: 0px 4px 8px rgba(0, 0, 0, 0.1);

max-width: 400px;

width: 100%;

}

h2 {

text-align: center;

}

label {

display: block;

margin-bottom: 5px;

}

input[type="text"], input[type="password"],input[type="Number"] {

width: 100%;

padding: 10px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 5px; }

#TextAge{

width: 100%;

padding: 10px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 5px;

}

.error-message {

color: red;

font-size: 12px;

}

Top of Form

</style>

</head>

<body>

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

<div>

<h2>Sign Up Form</h2>

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

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

<asp:RequiredFieldValidator ID="rfvUsername" runat="server"

ControlToValidate="txtUsername" ErrorMessage="Username is required!"

ForeColor="Red"></asp:RequiredFieldValidator>

<br /><br />

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

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

<asp:RequiredFieldValidator ID="rfvEmail" runat="server"

ControlToValidate="txtEmail" ErrorMessage="Email is required!"

ForeColor="Red"></asp:RequiredFieldValidator>

<asp:RegularExpressionValidator ID="revEmail" runat="server"

ControlToValidate="txtEmail" ErrorMessage="Invalid email format!"

ValidationExpression="\w+@[a-zA-Z\_]+?\.[a-zA-Z]{2,6}"

ForeColor="Red"></asp:RegularExpressionValidator>

<br /><br />

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

<asp:TextBox ID="txtPassword" runat="server" TextMode="Password"></asp:TextBox>

<asp:RequiredFieldValidator ID="rfvPassword" runat="server"

ControlToValidate="txtPassword" ErrorMessage="Password is required!"

ForeColor="Red"></asp:RequiredFieldValidator>

<asp:CompareValidator ID="cvPasswordLength" runat="server"

ControlToValidate="txtPassword" ErrorMessage="Password must be at least 6 characters long!"

Operator="GreaterThanEqual" ValueToCompare="6"

ForeColor="Red"></asp:CompareValidator>

<br /><br />

<asp:Label ID="lblConfirmPassword" runat="server" Text="Confirm Password:

"></asp:Label>

<asp:TextBox ID="txtConfirmPassword" runat="server" TextMode="Password"

></asp:TextBox>

<asp:RequiredFieldValidator ID="rfvConfirmPassword" runat="server"

ControlToValidate="txtConfirmPassword" ErrorMessage="Confirm password is

required!"

ForeColor="Red"></asp:RequiredFieldValidator>

<asp:CompareValidator ID="cvPasswords" runat="server"

ControlToValidate="txtConfirmPassword" ControlToCompare="txtPassword"

ErrorMessage="Passwords do not match!"

ForeColor="Red"></asp:CompareValidator>

<br />

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

<br />

<asp:TextBox ID="TextAge" runat="server" TextMode="Number" ></asp:TextBox>

<br />

<asp:RangeValidator ID="Agevalidate" runat="server" ErrorMessage="Age should be

18 to 25" ControlToValidate="TextAge" ForeColor="Red" MinimumValue="18"

MaximumValue="25"></asp:RangeValidator>

<br />

<br /><br />

<asp:Button ID="btnSubmit" runat="server" Text="Submit"

OnClick="BtnSubmit\_Click" />

Bottom of Form

Bottom of Form

<asp:ValidationSummary ID="ValidationSummary1" runat="server"

HeaderText="Please fix the following errors:" ForeColor="Red" />

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

</div>

</form>

</body>

</html>

**Default.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace ValidationApp {

public partial class Default : System.Web.UI.Page {

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

protected void BtnSubmit\_Click(object sender, EventArgs e){

if (Page.IsValid){

Response.Write("<script>alert('Form submitted successfully!');</script>");

string username = txtUsername.Text;

string email = txtEmail.Text;

string password = txtPassword.Text;

string confirmPassword = txtConfirmPassword.Text;

String age = TextAge.Text;

lblSubmittedData.Text = $"<h3>Submitted Data:</h3>" +

$"<p><strong>Username:</strong> {username}</p>" +

$"<p><strong>Email:</strong> {email}</p>" +

$"<p><strong>Password:</strong> {password}</p>" +

$"<p><strong>Confirm Password:</strong>

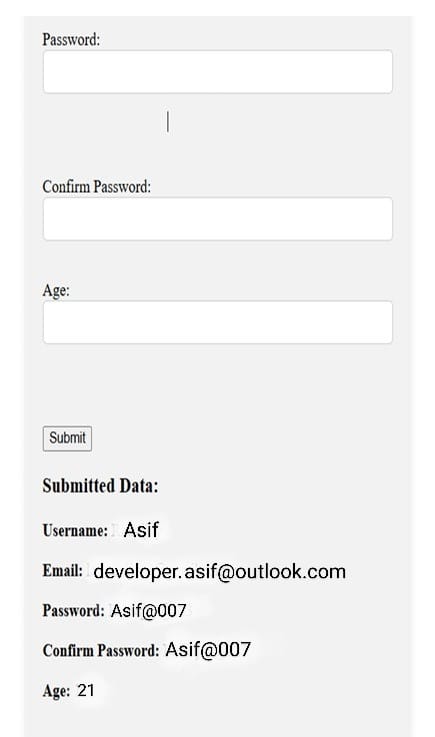
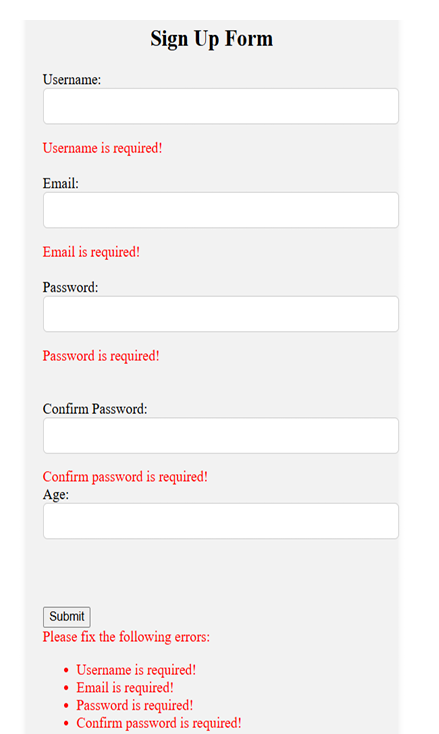
{confirmPassword}</p>" +

$"<p><strong>Age:</strong> {age}</p>" ;

}

}}}

**Output:**

****

**Experiment 7**

**Aim : Program on Session and Cookie**

**cookie.aspx**

**Code:**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Coockie.aspx.cs"

Inherits="Practical\_7.Coockie" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style type="text/css">

.auto-style1 {

width: 100%;

}

</style>

</head>

<body>

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

<div>

<h2>Select Your Favorite Computer Brands</h2>

<asp:CheckBox ID="apple" runat="server" Text="Apple" />

<br />

<asp:CheckBox ID="dell" runat="server" Text="Dell" />

<br />

<asp:CheckBox ID="lenevo" runat="server" Text="Lenovo" />

<br />

<asp:CheckBox ID="acer" runat="server" Text="Acer" />

<br />

<asp:CheckBox ID="sony" runat="server" Text="Sony" />

<br />

<asp:CheckBox ID="wipro" runat="server" Text="Wipro" />

<br /><br />

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

/>

<br /><br />

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

<br />

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

</div>

</form>

</body>

</html>

**Cookie.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Practical\_7

{

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

{

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

{

Response.Cookies["computer"].Expires = DateTime.Now.AddDays(1);

}

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

{

Label2.Text = "";

if (apple.Checked)

Response.Cookies["computer"]["apple"] = "apple";

if (dell.Checked)

Response.Cookies["computer"]["dell"] = "dell";

if (lenevo.Checked)

Response.Cookies["computer"]["lenevo"] = "lenevo";

if (acer.Checked)

Response.Cookies["computer"]["acer"] = "acer";

if (sony.Checked)

Response.Cookies["computer"]["sony"] = "sony";

if (wipro.Checked)

Response.Cookies["computer"]["wipro"] = "wipro";

if (Request.Cookies["computer"].Values.ToString() != null)

{

if (Request.Cookies["computer"]["apple"] != null)

Label2.Text += Request.Cookies["computer"]["apple"] + " ";

if (Request.Cookies["computer"]["dell"] != null)

Label2.Text += Request.Cookies["computer"]["dell"] + " ";

if (Request.Cookies["computer"]["lenevo"] != null)

Label2.Text += Request.Cookies["computer"]["lenevo"] + " ";

if (Request.Cookies["computer"]["acer"] != null)

Label2.Text += Request.Cookies["computer"]["acer"] + " ";

if (Request.Cookies["computer"]["sony"] != null)

Label2.Text += Request.Cookies["computer"]["sony"] + " ";

if (Request.Cookies["computer"]["wipro"] != null)

Label2.Text += Request.Cookies["computer"]["wipro"] + " ";

}

else Label2.Text = "Please select your choice";

Response.Cookies["computer"].Expires = DateTime.Now.AddHours(1);

}

}

}

**Output:**

**A white background with black text

Description automatically generated**

**Experiment 8**

**Aim : Creating web application using MVC**

**Code:**