|  |  |  |  |
| --- | --- | --- | --- |
| A picture containing drawing, stop, room  Description automatically generated | Advanced Web Programming  Practical #4 | | |
|  |  |  |  |
| **Name** | **Sandeep Jain** | **Roll Number** | **21302C0058** |
| **Subject/Course:** | **Advanced Web Programming** | | |
| **Topic** | **Working with Web Forms and Controls** | | |
|  | | | |
| **Working with Form Controls** | | | |
| 1. **Create a Registration form to demonstrate use of various Validation controls.**   **Code**  **Configuration file**  **Web.config**  **<?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**](https://go.microsoft.com/fwlink/?LinkId=169433)  **-->** **<configuration>** **<system.web>** **<compilation debug="true" targetFramework="4.6.1"/>** **<httpRuntime targetFramework="4.6.1"/>** **</system.web>** **<appSettings>** **<add key="ValidationSettings:UnobtrusiveValidationMode" value="none"/>** **</appSettings>** **<system.codedom>** **<compilers>** **<compiler language="c#;cs;csharp" extension=".cs"**  **type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, 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=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"**  **warningLevel="4" compilerOptions="/langversion:default /nowarn:41008 /define:\_MYTYPE=\&quot;Web\&quot; /optionInfer+"/>** **</compilers>** **</system.codedom>**    **</configuration>**  **Validation file**  **Validation.aspx.cs**  **using System;**  **using System.Collections.Generic;**  **using System.Linq;**  **using System.Web;**  **using System.Web.UI;**  **using System.Web.UI.WebControls;**    **namespace WebApplication3**  **{**  **public partial class Validation : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**    **}**    **protected void Button1\_Click(object sender, EventArgs e)**  **{**  **if (Page.IsValid)**  **{**  **lblmsg.Text = "From Validation";**  **}**  **}**    **protected void Button2\_Click(object sender, EventArgs e)**  **{**  **lblmsg.Text = "No Data to be Sumbitted";**  **}**    **protected void CustomValidator1\_ServerValidate(object source, ServerValidateEventArgs args)**  **{**  **string str = args.Value;**  **args.IsValid = false;**  **//checking for input length less than 6 and greater than 25 characters**  **if (str.Length < 6 || str.Length > 25)**  **{**  **return;**  **}**  **//checking for a atleast a single capital letter**  **bool capital = false;**  **foreach (char ch in str)**  **{**  **if (ch >= 'A' && ch <= 'Z')**  **{**  **capital = true;**  **break;**  **}**  **}**  **if (!capital)**  **{**  **return;**  **}**  **//checking for atleast a single lower letter**  **bool lower = false;**  **foreach (char ch in str)**  **{**  **if (ch >= 'a' && ch <= 'z')**  **{**  **lower = true;**  **break;**  **}**  **}**  **if (!lower)**  **{**  **return;**  **}**  **//checking for atleast one digit**  **bool digit = false;**  **foreach (char ch in str)**  **{**  **if (ch >= '0' && ch <= '9')**  **{**  **digit = true;**  **break;**  **}**  **}**  **if (!digit)**  **{**  **return;**  **}**  **args.IsValid = true;**  **}**  **}**  **}**  **Validation file**  **Validation.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Validation.aspx.cs" Inherits="WebApplication3.Validation" %>**  **<!DOCTYPE html>**  **<html xmlns="**[**http://www.w3.org/1999/xhtml">**](http://www.w3.org/1999/xhtml%22%3E) **<head runat="server"> <title></title> </head> <body> <form id="form1" runat="server"> <div> <asp:Label ID="Label1" runat="server" Text="Name"></asp:Label> <asp:TextBox ID="TxtName" runat="server"></asp:TextBox> <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="TxtName" ErrorMessage="\*EnterName" ForeColor="#CC0000"></asp:RequiredFieldValidator> </div> <asp:Label ID="Label2" runat="server" Text="Password:"></asp:Label> <asp:TextBox ID="TxtPassword" runat="server"></asp:TextBox> <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ControlToValidate="TxtPassword" ErrorMessage="\*Enter Password" ForeColor="#CC0000"></asp:RequiredFieldValidator> <br /> <asp:Label ID="Label3" runat="server" Text="Confirm Password"></asp:Label> <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox> <asp:CompareValidator ID="CompareValidator1" runat="server" ControlToValidate="TextBox1" ErrorMessage="\*Password dose not match" ForeColor="#CC0000"></asp:CompareValidator> <br /> <asp:Label ID="Label4" runat="server" Text="Email\_ID"></asp:Label> <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox> <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" ControlToValidate="TextBox2" ErrorMessage="Enter Valid Email" ForeColor="#CC0000"></asp:RegularExpressionValidator> <br /> <asp:Label ID="Label5" runat="server" Text="Age"></asp:Label> <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox> <asp:RangeValidator ID="RangeValidator1" runat="server" ControlToValidate="TextBox3" ErrorMessage="Age is not Between 18-100" ForeColor="#CC0000" MaximumValue="100" MinimumValue="18" Type="Integer"></asp:RangeValidator> <br /> <asp:Label ID="Label6" runat="server" Text="User ID"></asp:Label> <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox> <asp:CustomValidator ID="CustomValidator1" runat="server" ControlToValidate="TextBox4" ErrorMessage="Enter Atleat single capital&amp;Lower $Digit&amp;lenght should be between 6-25" ForeColor="#CC0000" OnServerValidate="CustomValidator1\_ServerValidate"></asp:CustomValidator> <br /> <asp:ValidationSummary ID="ValidationSummary1" runat="server" HeaderText="Vaildation Summary" /> <br /> <asp:Label ID="lblmsg" runat="server" Text="Label"></asp:Label> <br /> <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Sumit" /> &nbsp;<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Cancel" /> </form> </body> </html>**  **Validationcontrol file**  **ValidationControl.aspx**  **<%@ Control Language="C#" AutoEventWireup="true" CodeBehind="WebUserControl1.ascx.cs" Inherits="WebApplication3.WebUserControl1" %>  <p>  This is User Control</p>  <p>  <asp:Label ID="Label1" runat="server" Text="Name"></asp:Label>  <asp:TextBox ID="TextBoxName" runat="server"></asp:TextBox>  </p>  <p>  <asp:Label ID="Label2" runat="server" Text="City"></asp:Label>  <asp:TextBox ID="TextBoxCity" runat="server"></asp:TextBox>  </p>  <p>  <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Save" />  </p>  <asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>**  **Output**  image  image | | | |
| 1. **Create Web Form to demonstrate use of Adrotator Control**   **Code**  **Xml Adrotator file**  **XmlAadrootator.xml**  **<?xml version="1.0" encoding="utf-8" ?>**  **<Advertisements>**  **<Ad>**  **<ImageUrl>rose1.png</ImageUrl>**  **<NavigateUrl>https://www.google.com</NavigateUrl>**  **<Impressions>10</Impressions>**  **<Keyword>data</Keyword>**  **</Ad>**  **<Ad>**  **<ImageUrl>rose2.jpg</ImageUrl>**  **<NavigateUrl>https://www.facebock.com</NavigateUrl>**  **<Impressions>5</Impressions>**  **<Keyword>data2</Keyword>**  **</Ad>**  **<Ad>**  **<ImageUrl>rose3.jpg</ImageUrl>**  **<NavigateUrl>https://www.youtube.com</NavigateUrl>**  **<Impressions>5</Impressions>**  **<Keyword>data3</Keyword>**  **</Ad>**  **<Ad>**  **<ImageUrl>rose4.png</ImageUrl>**  **<NavigateUrl>https://www.vsit.com</NavigateUrl>**  **<Impressions>10</Impressions>**  **<Keyword>data4</Keyword>**  **</Ad>**  **<Ad>**  **<ImageUrl>rose5.jpg</ImageUrl>**  **<NavigateUrl>https://www.vit.com</NavigateUrl>**  **<Impressions>5</Impressions>**  **<Keyword>data5</Keyword>**  **</Ad>**  **</Advertisements>**  **a.file**  **a.aspx**  **using System;**  **using System.Collections.Generic;**  **using System.Linq;**  **using System.Web;**  **using System.Web.UI;**  **using System.Web.UI.WebControls;**    **namespace WebApplication3**  **{**  **public partial class WebForm1 : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**    **}**  **}**  **}**    **Output**  image  image | | | |
| 1. **Create Web Form to demonstrate use User Controls.**   **Code**  **Web user control ascx**  <%@ Control Language="C#" AutoEventWireup="true" CodeBehind="WebUserControl1.ascx.cs" Inherits="WebApplication3.WebUserControl1" %> <p>  This is User Control</p> <p> <asp:Label ID="Label1" runat="server" Text="Name"></asp:Label> <asp:TextBox ID="TextBoxName" runat="server"></asp:TextBox> </p> <p> <asp:Label ID="Label2" runat="server" Text="City"></asp:Label> <asp:TextBox ID="TextBoxCity" runat="server"></asp:TextBox> </p> <p> <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Save" /> </p> <asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>  **Web user control ascx.cs**  using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;    namespace WebApplication3  {  public partial class WebUserControl1 : System.Web.UI.UserControl  {  protected void Page\_Load(object sender, EventArgs e)  {    }    protected void Button1\_Click(object sender, EventArgs e)  {  Label3.Text = "Name :" + TextBoxName.Text + ",City: " + TextBoxCity.Text;  }  }  }  **Using user control aspx**  <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication3.WebForm1" %> <<%@ Register Src="~/WebUserControl1.ascx" TagName="MyControl" TagPrefix="MyUser" %> <!DOCTYPE html>    <html xmlns="[http://www.w3.org/1999/xhtml">](http://www.w3.org/1999/xhtml%22%3E) <head runat="server"> <title></title> </head> <body> <form id="form1" runat="server"> <div> <MyUser:MyControl ID="user1" runat="server" /> </div> </form> </body> </html>  **Output** | | | |
|  | | | |
|  | | | |