Goal: Extend the User Profile Application where User must have to Pass All the validation.

Procedure:
- Create all required validation control on the page.
- Bind these controls to the asp.net server control that enables user to enter details.
- Like Username Should not are Empty, Password and Confirm Password Must Mach etc…

Code:

Experiment7.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Experiment7.aspx.cs"
Inherits="Experiment6" %>

<!DOCTYPE html>

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

    <style type="text/css">
        .auto-style1 {
            margin-left: 30px;
        }
        .auto-style3 {
            margin-left: 33px;
            margin-bottom: 0px;
        }
        .auto-style4 {
            margin-left: 30px;
            margin-bottom: 0px;
            margin-top: 9px;
        }
        .auto-style5 {
            margin-left: 30px;
            margin-bottom: 0px;
        }
        </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
        <br />
            <asp:Label ID="Label1" runat="server" Text="First Name:" Width="186px"></asp:Label>
            <asp:TextBox ID="TextBox1" runat="server" CssClass="auto-style1"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="TextBox1" ErrorMessage="---Please enter First
Name"></asp:RequiredFieldValidator>
            <br />
            <asp:Label ID="Label2" runat="server" Text="Last Name:" Width="186px"></asp:Label>
            <asp:TextBox ID="TextBox2" runat="server" CssClass="auto-style1"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
ControlToValidate="TextBox2" ErrorMessage="---Please enter Last
Name"></asp:RequiredFieldValidator>
```

```
        <br />
        <asp:Label ID="Label11" runat="server" Text="Password:" Width="186px"></asp:Label>
        <asp:TextBox ID="TextBox8" runat="server" CssClass="auto-style1"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator9" runat="server"
ControlToValidate="TextBox8" ErrorMessage="---Please enter
Password"></asp:RequiredFieldValidator>
        <br />
        <asp:Label ID="Label12" runat="server" Text="Confirm Password:" Width="186px"></asp:Label>
        <asp:TextBox ID="TextBox9" runat="server" CssClass="auto-style1"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator10" runat="server"
ControlToValidate="TextBox9" ErrorMessage="---Please enter Confirm
Password"></asp:RequiredFieldValidator>
        <asp:CompareValidator ID="CompareValidator1" runat="server" ControlToCompare="TextBox9"
ControlToValidate="TextBox8" ErrorMessage="---Password Doesn't
match..."></asp:CompareValidator>
        <br />
        <asp:Label ID="Label3" runat="server" Text="Semester:" Width="186px"></asp:Label>
        <asp:TextBox ID="TextBox3" runat="server" CssClass="auto-style1"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
ControlToValidate="TextBox3" ErrorMessage="---Please enter
Semester"></asp:RequiredFieldValidator>
        <br />
        <asp:Label ID="Label4" runat="server" Text="Mobile No:" Width="186px"></asp:Label>
        <asp:TextBox ID="TextBox4" runat="server" CssClass="auto-style1"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator7" runat="server"
ControlToValidate="TextBox4" ErrorMessage="---Please enter Mobile
no"></asp:RequiredFieldValidator>
        <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
ControlToValidate="TextBox4" ErrorMessage="---Please enter correct Mobile No"
ValidationExpression="[0-9]{10}"></asp:RegularExpressionValidator>
        <br />
        <asp:Label ID="Label5" runat="server" Text="Age:" Width="186px"></asp:Label>
        <asp:TextBox ID="TextBox5" runat="server" CssClass="auto-style1"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
ControlToValidate="TextBox5" ErrorMessage="---Please enter Age"></asp:RequiredFieldValidator>
        <asp:RangeValidator ID="RangeValidator3" runat="server" ControlToValidate="TextBox5"
ErrorMessage="RangeValidator" Type="Double">---Invalid Age</asp:RangeValidator>
        <br />
        <asp:Label ID="Label6" runat="server" Text="Height:" Width="186px"></asp:Label>
        <asp:TextBox ID="TextBox6" runat="server" CssClass="auto-style5"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"
ControlToValidate="TextBox6" ErrorMessage="---Please enter Height"></asp:RequiredFieldValidator>
        <asp:RangeValidator ID="RangeValidator2" runat="server" ControlToValidate="TextBox6"
ErrorMessage="RangeValidator" Type="Double">---Invalid Height</asp:RangeValidator>
        <br />

        <asp:Label ID="Label7" runat="server" Text="Marital Status:" Width="186px"></asp:Label>
        <asp:RadioButtonList ID="RadioButtonList1" runat="server" CssClass="auto-style4"
Height="30px" Width="253px" RepeatDirection="Horizontal" RepeatLayout="Flow">
            <asp:ListItem>Single</asp:ListItem>
            <asp:ListItem>Married</asp:ListItem>
            <asp:ListItem>Divorced</asp:ListItem>
        </asp:RadioButtonList>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator6" runat="server"
ControlToValidate="RadioButtonList1" ErrorMessage="---Please select Marital
status"></asp:RequiredFieldValidator>
```

```
        <br />

        <asp:Label ID="Label8" runat="server" Text="Hobbies:" Width="186px"></asp:Label>
        <asp:CheckBoxList ID="CheckBoxList1" runat="server" CssClass="auto-style3" Height="30px"
Width="491px" RepeatDirection="Horizontal" RepeatLayout="Flow">
            <asp:ListItem>Singing</asp:ListItem>
            <asp:ListItem>Dancing</asp:ListItem>
            <asp:ListItem>Painting</asp:ListItem>
            <asp:ListItem>Cooking</asp:ListItem>
            <asp:ListItem>Sports</asp:ListItem>
            <asp:ListItem>Others</asp:ListItem>
        </asp:CheckBoxList>
        <br />
        <asp:Label ID="Label9" runat="server" Text="Date of Birth:" Width="186px"></asp:Label>
        <asp:TextBox ID="TextBox7" runat="server" CssClass="auto-style1"
OnTextChanged="TextBox7_TextChanged" ToolTip="Select date from Calender"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator8" runat="server"
ControlToValidate="TextBox7" ErrorMessage="---Please select DOB"></asp:RequiredFieldValidator>
        <br />
        <br />
        <asp:Calendar ID="Calendar1" runat="server" CellPadding="1" CellSpacing="5"
EnableTheming="True" OnSelectionChanged="Calendar1_SelectionChanged" BackColor="#CCFFFF"
BorderColor="Black" BorderStyle="Solid" OnDayRender="Calendar1_DayRender">
            <SelectedDayStyle BackColor="#FFFF66" BorderStyle="Solid" ForeColor="#000066"
BorderWidth="1px" />
            <TitleStyle BackColor="#FFCCFF" BorderStyle="Solid" BorderWidth="2px" Font-
Overline="False" ForeColor="Black" />
            <TodayDayStyle ForeColor="Red" Font-Underline="True" />
        </asp:Calendar>
        <asp:Label ID="Label10" runat="server" Font-Bold="True" OnLoad="Page_Load"
OnUnload="Calendar1_SelectionChanged"></asp:Label>
        <br />
        <br />
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
    </div>
  </form>
</body>
</html>
```

Experiment7.aspx.cs:

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

public partial class Experiment6 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
```
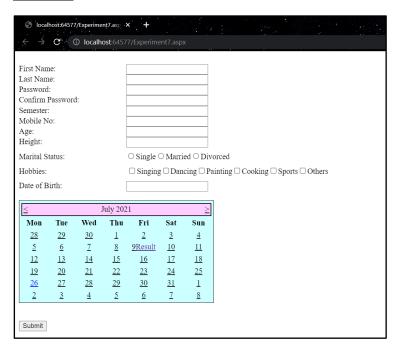
```csharp
protected void Button1_Click(object sender, EventArgs e)
{
    Response.Write("<b>" + "ENTERED DATA: " + "</b>" + "</br>" + "</br>");
    String fn = Convert.ToString(TextBox1.Text);
    Response.Write("First Name: " + fn + "</br>");

    String ln = Convert.ToString(TextBox2.Text);
    Response.Write("Last Name: " + ln + "</br>");

    String sem = Convert.ToString(TextBox3.Text);
    Response.Write("Semester: " + sem + "</br>");

    String mn = Convert.ToString(TextBox4.Text);
    Response.Write("Mobile No: " + mn + "</br>");

    String age = Convert.ToString(TextBox5.Text);
    Response.Write("Age: " + age + "</br>");

    String hgt = Convert.ToString(TextBox6.Text);
    Response.Write("Height: " + hgt + "</br>");

    string selectedValue = RadioButtonList1.SelectedValue;
    Response.Write("Marital Status: " + selectedValue + "</br>");

    string hb = "";
    foreach (ListItem L1 in CheckBoxList1.Items)
    {
        if (L1.Selected == true)
        {
            hb = hb + L1.Text + ", ";
        }
    }
    Response.Write("Hobbies: " + hb);
    Response.Write("</br>");
}

protected void Calendar1_SelectionChanged(object sender, EventArgs e)
{
    TextBox7.Text = (Convert.ToString(Calendar1.SelectedDate.ToLongDateString()));
    if(Convert.ToString(Calendar1.SelectedDate.ToShortDateString())=="26-07-2021")
    {
        Label10.Text = ("26 July : Aash's Birthday!!!");
    }
    else
    {
        Label10.Text = ("");

    }
}


protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
{
    String a = Calendar1.SelectedDate.ToLongDateString();
    if (e.Day.Date.ToShortDateString() == "09-07-2021")
    {
```

```
        HyperLink l = new HyperLink();
        l.NavigateUrl = "~/exp6_1.aspx";
        l.Text = "Result";
        e.Cell.Controls.Add(l);
        e.Day.IsSelectable = true;
    }
    if (e.Day.Date == new DateTime(2021, 7, 26))
    {
        e.Cell.ForeColor = System.Drawing.Color.Blue;
    }
}

protected void TextBox7_TextChanged(object sender, EventArgs e)
{

}
}
```

Web.config: //Required for Validations…

```
<?xml version="1.0"?>
<!--
    For more information on how to configure your ASP.NET application, please visit
    https://go.microsoft.com/fwlink/?LinkId=169433
    -->
<configuration>
    <appSettings>
        <add key="ValidationSettings:UnobtrusiveValidationMode" value="None" />
    </appSettings>
    <system.web>
        <compilation debug="true" targetFramework="4.7.2" />
        <httpRuntime targetFramework="4.7.2" />
    </system.web>
    <system.codedom>
    <compilers>
        <compiler language="c#;cs;csharp" extension=".cs" type="Microsoft.CodeDom.Providers.Do
        <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb" type="Microsoft.CodeD
    </compilers>
    </system.codedom>
</configuration>
```
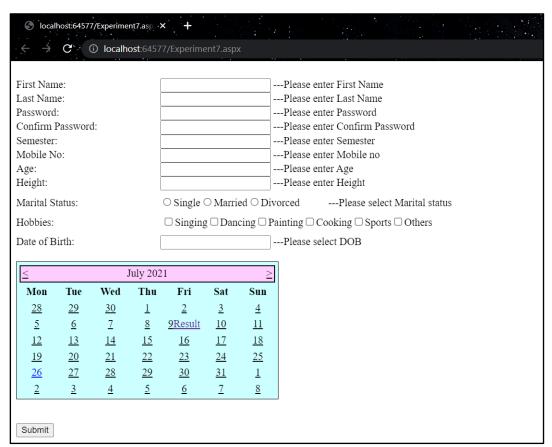
Output Screenshots:

Preview:
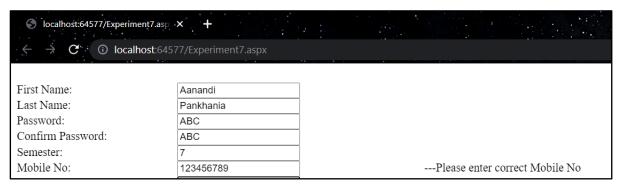

Validations:

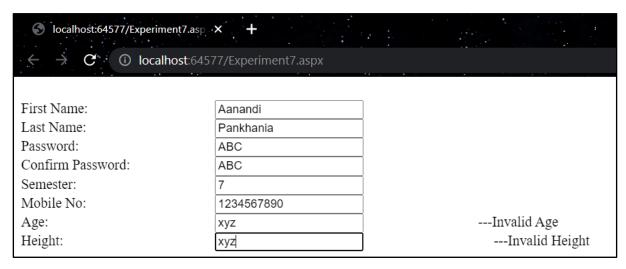## RequiredFieldValidators:

CompareValidator:

RegularExpressionValidator:

RangeValidators:

After Filling all the details and Clicking on "Submit" Button:

ENTERED DATA:

First Name: Aanandi
Last Name: Pankhania
Semester: 7
Mobile No: 1234567890
Age: 20
Height: 170
Marital Status: Single
Hobbies: Singing, Dancing, Painting, Cooking,

First Name:	Aanandi
Last Name:	Pankhania
Password:	ABC
Confirm Password:	ABC
Semester:	7
Mobile No:	1234567890
Age:	20 ---Invalid Age
Height:	170 ---Invalid Height

Marital Status: ● Single ○ Married ○ Divorced

Hobbies: ☑ Singing ☑ Dancing ☑ Painting ☑ Cooking ☐ Sports ☐ Others

Date of Birth: 28 February 2001

≤	February 2021					≥
Mon	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**	**Sun**
25	26	27	28	29	30	31
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
1	2	3	4	5	6	7

Submit