

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;
}

</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"></asp:CompareValidator>
```

```

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" />
<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:

Sign Up Form

Username:

Username is required!

Email:

Email is required!

Password:

Password is required!

Confirm Password:

Confirm password is required!

Age:

Please fix the following errors:

- Username is required!
- Email is required!
- Password is required!
- Confirm password is required!

Password:

Confirm Password:

Age:

Submitted Data:

Username: Asif

Email: developer.asif@outlook.com

Password: Asif@007

Confirm Password: Asif@007

Age: 21