

ASP.NET validation controls

Data entered by the user is assumed to be correct and appropriate. But it is impossible and user must validate the data before it is processed. The validation can be applied to the code using various scripting languages. It is necessary that the user is capable of using scripting languages. To overcome this the validation controls are provided by ASP.NET. Each control has its unique functionality to be performed. The detail description and working of these controls is explained in this chapter.

A validation control is used to validate data from the input control. The error message will be displayed if the data is incorrect. The syntax for creating validation control in ASP.NET control is as shown below:

```
<asp:control_name id="some_id" runat="server"/>
```

Required Field Validator

Required Field Validator control is used to make the input field a required field in the application. The control raises an error if the input value is not entered by the user. By default, the initial value is an empty string.

The properties associated with the control are as follows:

| Property | Description |
|--------------|---|
| id | It is the unique id for the control |
| runat | It specifies that the control is a server control |
| Text | It is the message to be displayed when the validation fails |
| IsValid | It is a Boolean value indicating that ControlToValidate is valid |
| InitialValue | It is the starting value of the control |
| ForeColor | It is the foreground color of the control |
| ErrorMessgae | It is the text displayed when the property is not set for the control |

| | |
|---------------------|---|
| Display | <p>It is the display behavior of the control. The values are as follows:</p> <p>None: The control is not displayed</p> <p>Static: The control displays an error message when the validation fails</p> <p>Dynamic: The control displays an error message if the validation fails</p> |
| BackColor | It is the back color for the control |
| ControlToValidate | It is the id for the control |
| EnabledClientScript | It is a Boolean value specifying the client side validation is enabled |
| Enabled | It is a Boolean value that specifies the client side validation is enabled or not |


A sample code for the required field validator is:

```

<html xmlns="http://www.w3.org/1999/xhtml">
<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="TextBox1" runat="server"></asp:TextBox>
      <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
      ControlToValidate="TextBox1" ErrorMessage="Values are must"
      BackColor="Red">
        </asp:RequiredFieldValidator>
      <br/>
      <asp:Button ID="Button1" runat="server" Text="Show" />
    </div>
  </form>
</body>
</html>

```

Output

 http://localhost:20890/WebSite6/Default.aspx

Name Values are mist