





.NET Technologies - Lecture 7

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UNIT 2: Topics in this presentation

Validators in ASP.NET:

- RequiredField
- Range
- -Compare
- -Validation Summary





- 5. CustomValidator
- ValidationSummary

Need for Validators

- Validation controls are used to:
 - 1. Implement presentation logic.
 - 2. To validate user input data.
 - 3. Data format, data type and data range is used for validation.
- There are 2 types of Validation Client and Server types.
- Client side validation is good but we have to be dependent on browser and scripting language support.
- Client side validation is considered convenient for users as they get instant feedback. The main advantage is that it prevents a page from being postback to the server until the client validation is executed successfully

Required Field Validator

- The RequiredFieldValidator control is simple validation control, which checks to see if the data is entered for the input control.
- You can have a RequiredFieldValidator control for each form element on which you wish to enforce Mandatory Field rule.
- Example :

<asp:RequiredFieldValidator ID="rt1" runat="server" ControlToValidate="t1" ErrorMessage="UserName is mandatory"></asp:RequiredFieldValidator>

Important Properties:

- ControlToValidate: ID of the control you want to enforce the validator.
- ErrorMessage: String Message to be displayed when validator is printed.

Range Validator

- The RangeValidator Server Control is another validator control, which checks to see if a control value is within a valid range.
- The attributes that are necessary to this control are: MaximumValue, MinimumValue, and Type.
- Example :

<asp:RequiredFieldValidator ID="rt1" runat="server" ControlToValidate="t1" ErrorMessage="UserName is mandatory"></asp:RequiredFieldValidator>

Important Properties:

- MaximumValue, MinimumValue: Declare range of validation
- Type: Type of the range eg. integer or string



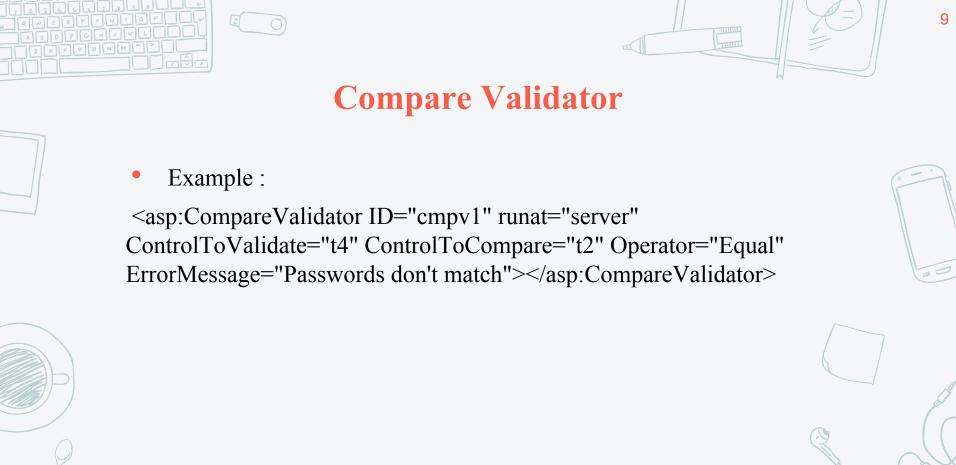


Compare Validator

• The CompareValidator control compares a value in one control with a fixed value or a value in another control.

Properties	Description
Type	It specifies the data type.
ControlToCompare	It specifies the value of the input control to compare with.
ValueToCompare	It specifies the constant value to compare with.
Operator	It specifies the comparison operator, the available values are: Equal, NotEqual, GreaterThan, GreaterThanEqual, LessThan, LessThanEqual, and DataTypeCheck.









Validation Summary

- The ValidationSummary control does not perform any validation but shows a summary of all errors in the page. The summary displays the values of the ErrorMessage property of all validation controls that failed validation.
- The following two mutually inclusive properties list out the error message:
 - ShowSummary: shows the error messages in specified format.
 - ShowMessageBox : shows the error messages in a separate window.
- Example:

<asp:ValidationSummary ID="vs1" runat="server" DisplayMode="BulletList" ShowMessageBox="true" ShowSummary="false"/>





Summary of Validators

Validation Control	Description
RequiredFieldValidation	Makes an input control a required field
CompareValidator	Compares the value of one input control to the value of another input control or to a fixed value
RangeValidator	Checks that the user enters a value that falls between two values
RegularExpressionValidat	or Ensures that the value of an input control matches a specified pattern
CustomValidator	Allows you to write a method to handle the validation of the value entered
ValidationSummary	Displays a report of all validation errors occurred in a Web page





