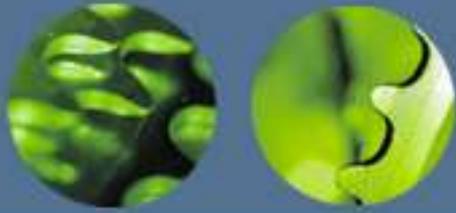


Introduction to Client-Side Validation

Using the ASP.Net Server Controls



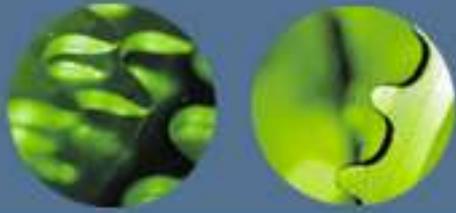
An introduction to the validation controls

You can use *validation controls* to test user input and produce error messages.

The validation is performed when the focus leaves the control that's being validated. The exception is the required field validator, which performs its validation when the user clicks on a button control whose `CausesValidation` property is set to `True`.

Each validation control is associated with a specific Web Server or HTML Server control. You can associate one or more validation controls with a single server control.

The validation controls work by running client-side script. Then, if the validation fails, the page isn't posted back to the server. (The validation is also performed on the server in case the client doesn't support scripts.)

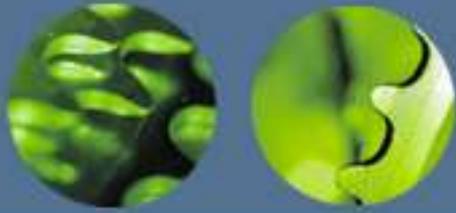


The validation controls provided by ASP.NET

Description

Control

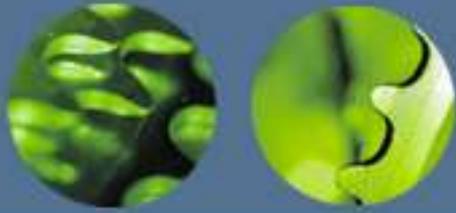
Required field validator	Checks that an entry has been made.
Compare validator	Checks an entry against a constant value or the value of another control. Can also be used to check for a specific data type.
Range validator	Checks that an entry is within a specified range.
Regular expression validator	Checks that an entry matches a pattern, such as a telephone number or an email address.
Custom validator	Checks an entry using validation code that you write yourself.
Validation summary	Displays a summary of error messages from the other validation controls.



Properties....

Common validation control properties

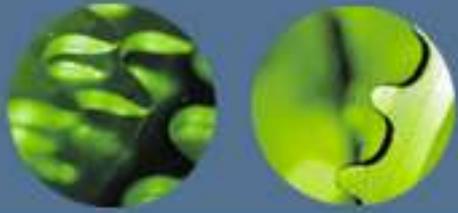
Property	Description
ControlToValidate	The ID of the control to be validated.
Display	Determines how an error message is displayed: Static Allocate space for the message in the page layout Dynamic Allocate the space when an error occurs None Display the errors in a validation summary control
ErrorMessage	The message that's displayed in the validation control when the validation fails.



Properties Continued....

Additional properties of a compare validator

Property	Description
ValueToCompare	The value that the control specified in the ControlToValidate property should be compared to.
Operator	The type of comparison to perform (Equal, NotEqual, GreaterThan, GreaterThanEqual, LessThan, LessThanEqual, or DataTypeCheck).
Type	The data type to use for the comparison (String, Integer, Double, Date, or Currency).



When to use these controls...

How to use the required field and compare validators

- The required field validator is typically used with text box controls, but can also be used with list controls.
- If the user doesn't enter a value into the input control that a compare validator is associated with, the validation test passes. Because of that, you should also provide a required field validator if a value is required.
- When you use grid layout, the error message associated with a validator always appears in the same location as the validator. Because of that, changing the Display property to Dynamic has no effect.