

ASP.NET Validation Controls

ASP.NET Validation Controls are powerful server controls that are used for validating user input. These controls provides both server side and client side validation.

The client side validation features can be used to give your users an improved UI experience. By using the client side features, your users will not need to wait for a full page postback to occur only to discover that they have failed to fill out your form completely. Instead, the client side features can be using to notify the user immediately (before the page is submitted) about any missing and/or invalid data.

The validation can be checked on the server side with the help of the IsValid property of the validation control. Additionally, you can use the IsValid property of the Page to check the validation result of all validation controls on the page. Before testing the IsValid property of the validation control or the page, it is important that the validation check has already been performed through the use of the Validate method. You can call Validate on individual controls and also on the page itself.

Here is a list of the validation controls

- [RequiredFieldValidator](#)
- [RegularExpressionValidator](#)
- [CustomValidator](#)
- [ValidationSummary](#)
- [RangeValidator](#)
- [CompareValidator](#)

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
RegularExpressionValidator	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

Important points for validation controls

- ControlToValidate property is mandatory to all validate controls.
- One validation control will validate only one input control but multiple validate control can be assigned to a input control