Validation Controls

**Understanding Validation**

* Collecting data is vital.
* Set of rules you apply on data can vary
* It’s all about risk.
* Cannot validate truthfulness

**Client-side vs Server-side**

* ASP.NET pressing the submit button
  + Packages the request
  + Sends it to server
  + Server performs validation checks
  + Server returns information
* JavaScript
  + Script activated on event
  + Validation performed at browser before post-back
  + If validation is true, then it’s submitted to server

**Validation Controls**

* Required Field Validator
* Compare Validator
* Range Validator
* Regular Expression Validator
* Custom Validator

**Validation Causes**

* Occurs in response to an event.
* CausesValidation controls if validation is done on the control or not.

**Required Field Validator**

* Very simple
* Can use text attribute to customize message
* Can specify an initial value property
  + Must be changed before form is submitted

**Compare Validator Control**

* Compare the values of two form elements
* Can specify that a value must be an Integer or string, etc.
* Can compare to see if greater, less than or equal to a predetermined value

**Range Validator Control**

* Similar to Compare Validator
* Can check all types
* Specify a minimum and maximum
* With calendars use the Page\_Load function to determine the maximum and minimum values

**Custom Validator**

* Allows to do calculations before validating
* Allows to validate against data tier

**Validation Summary Control**

* Provides a summary of all the errors
* Does not directly perform validations
* Use DisplayMode to change bulleted list.

**Removing Client-Side Validation**

* .NET automatically tries to create client-side validation with JavaScript
* Use EnableClientScript to false to avoid this

**Validation Groups**

* Use Page.IsValid to check if the page is valid
* That means everything must be valid
* ValidationGroup can group different forms together