

Data Annotations and Validation



Using Validation Annotations

- Required
- StringLength
- RegularExpression
- Range

Validation and Model Binding

- Validations run implicitly during model binding
- Model Binder uses the model metadata to get all the validators
- DataAnnotationsModelValidator can find all the validation attributes and execute the logic inside

ModelState

- ModelState contains the values and errors associated with each property
- In case of errors the ModelState.IsValid returns a false

Controller Actions

- Controller actions can decide when the model state is invalid and validation has failed
- When validation fails the action re-renders the same view that posted the values

Custom Annotations

- Derive from class `ValidationAttribute`
- Override the `IsValid` method
- `ValidationContext` will give you access to model type, model object instance and friendly display name