

Spring MVC Form Validation



The Need for Validation

Check the user input form for

- required fields**
- valid numbers in a range**
- valid format (postal code)**
- custom business rule**

Java's Standard Bean Validation API

- Java has a standard Bean Validation API (JSR-303/309)
- Defines a metadata model and API for entity validation
- Not tied to either the web tier or the persistence tier
- Available for server-side apps and also client-side JavaFX/Swing apps

<http://www.beanvalidation.org>

Spring and Validation

- Spring version 4 and higher supports Bean Validation API
- Preferred method for validation when building Spring apps
- Simply add Validation JARs to our project

Bean Validation Features

Validation Feature
required
validate length
validate numbers
validate with regular expressions
custom validation

Validation Annotations

Annotation	Description
@NotNull	Checks that the annotated value is not null
@Min	Must be a number \geq value
@Max	Must be a number \leq value
@Size	Size must match the given size
@Pattern	Must match a regular expression pattern
@Future / @Past	Date must be in future or past of given date
others ...	

Our Road Map

1. set up our development environment
2. required field
3. validate number range: min, max
4. validate using regular expression (regexp)
5. custom validation