

## Exercise 22.1 Spring Validation

### *The Setup*

Create a copy of your solution to exercise19\_1 and call it exercise22\_1. Remember to also change the project name inside the pom.xml's `<artifactId>` and `<name>` tags.

In addition to the dependencies for exercise 19.1 add the following for hibernate validator:

```
<dependency>
  <groupId>org.hibernate</groupId>
  <artifactId>hibernate-validator</artifactId>
  <version>5.1.2.Final</version>
</dependency>
```

### *The Application*

The application will be the book application you've created as a solution to exercise 19.1.

### *The Exercise*

Add validation to the book class. Update the book controller to do the validation. and change / update your addBook.html to addBook.jsp so that you can use the spring form tags to properly show the errors.

You want to add validation annotations onto the book class to make sure that the title and the author are not blank, the price is greater than zero, and the ISBN matches the following pattern:

`\d{3}-\d{10}`

Optional Additional Exercise:

- Add a published date to the book class, and validate that it's in the `@Past`