

# Spring MVC Form Validation

## Required Fields



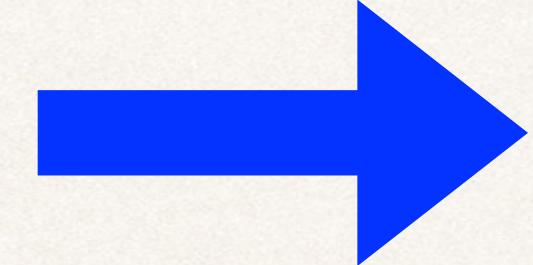
# Required Fields

*Fill out the form. Asterisk (\*) means required.*

First name:

Last name (\*):

**Submit**



*Fill out the form. Asterisk (\*) means required.*

First name:

Last name (\*):  **is required**

**Submit**

# Pulling It All Together

customer-form.jsp

First name:

Last name:

Customer



Customer  
Controller

Customer



customer-confirmation.jsp

The student is confirmed: John Doe

# Development Process

*Step-By-Step*

1. Add validation rule to Customer class
2. Display error messages on HTML form
3. Perform validation in the Controller class
4. Update confirmation page

# Step 1: Add validation rule to Customer class

```
import javax.validation.constraints.NotNull;
import javax.validation.constraints.Size;

public class Customer {

    private String firstName;

    @NotNull(message="is required")
    @Size(min=1, message="is required")
    private String lastName;

    // getter/setter methods

}
```

# Step 2: Display error message on HTML form

customer-form.jsp

```
<form:form action="processForm" modelAttribute="customer">  
  
First name: <form:input path="firstName" />  
  
<br><br>  
Last name (*): <form:input path="lastName" />  
<form:errors path="lastName" cssClass="error" />  
  
<br><br>  
<input type="submit" value="Submit" />  
  
</form:form>
```



The screenshot shows a simple HTML form with two fields: 'First name:' and 'Last name (\*):'. The 'Last name' field is highlighted in red, indicating it is required. To its right, the text 'is required' is displayed in red, matching the field's color. A 'Submit' button is located below the fields.

First name:

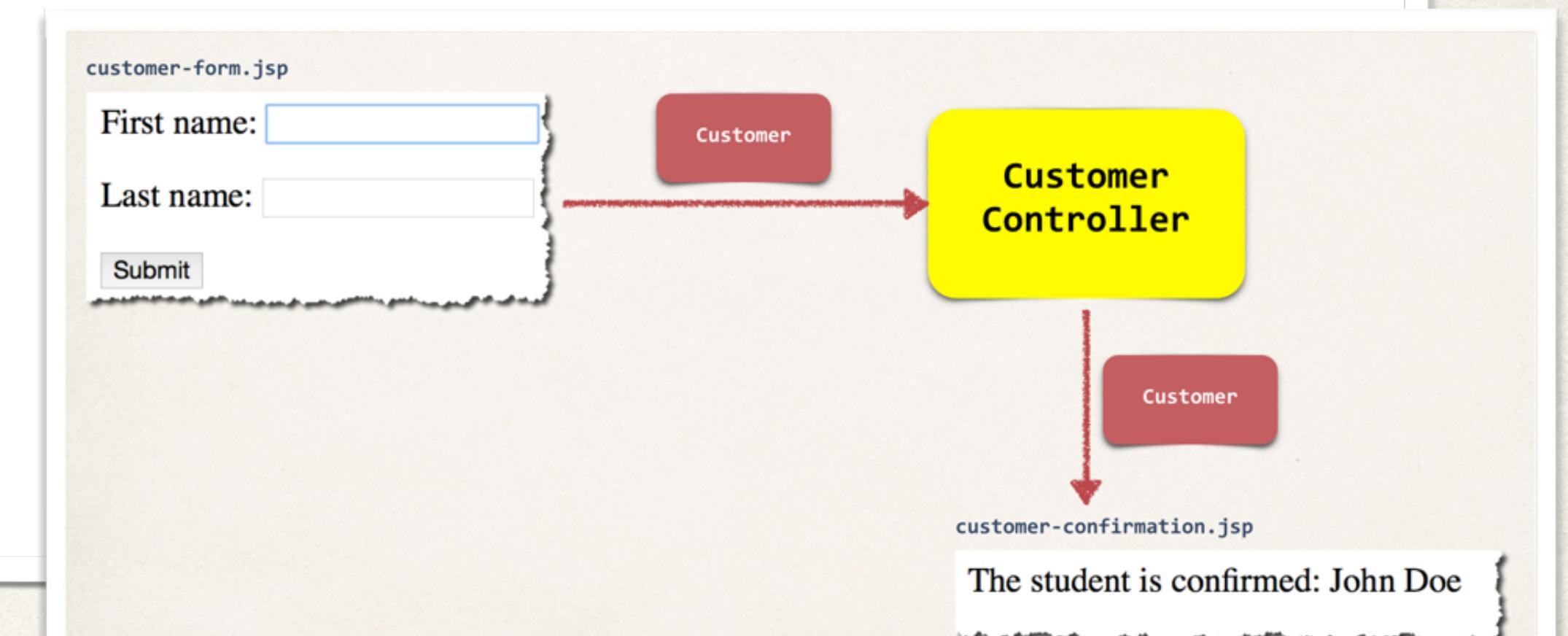
Last name (\*): is required

Submit

# Step 3: Perform validation in Controller class

```
@RequestMapping("/processForm")
public String processForm(
    @Valid @ModelAttribute("customer") Customer theCustomer,
    BindingResult theBindingResult) {

    if (theBindingResult.hasErrors()) {
        return "customer-form";
    }
    else {
        return "customer-confirmation";
    }
}
```



# Step 4: Update confirmation page

```
<html>  
  
<body>  
  
The customer is confirmed: ${customer.firstName} ${customer.lastName}  
  
</body>  
  
</html>
```