

Spring MVC Form Tag - Text Field



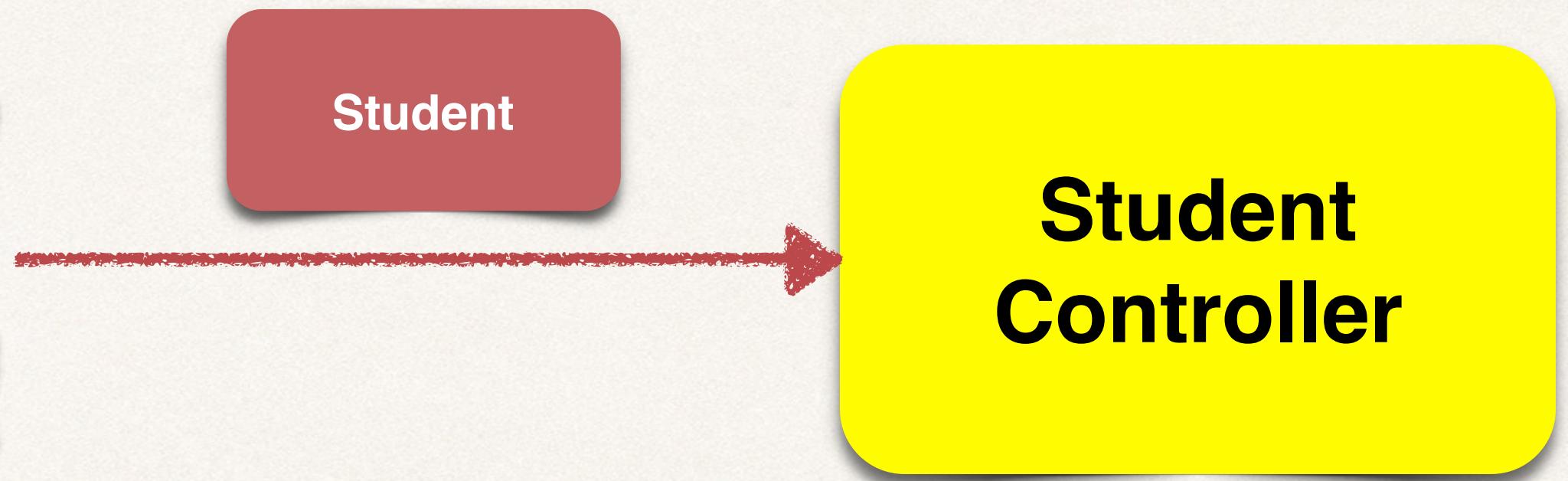
Big Picture

student-form.jsp

First name:

Last name:

Submit



**Student
Controller**

Student

student-confirmation.jsp

The student is confirmed: John Doe

Showing Form

In your Spring Controller

- Before you show the form, you must add a *model attribute*
- This is a bean that will hold form data for the *data binding*

Show Form - Add Model Attribute

Code snippet from Controller

```
@RequestMapping("/showForm")
public String showForm(Model theModel) {

    theModel.addAttribute("student", new Student());

    return "student-form";
}
```

Setting up HTML Form - Data Binding

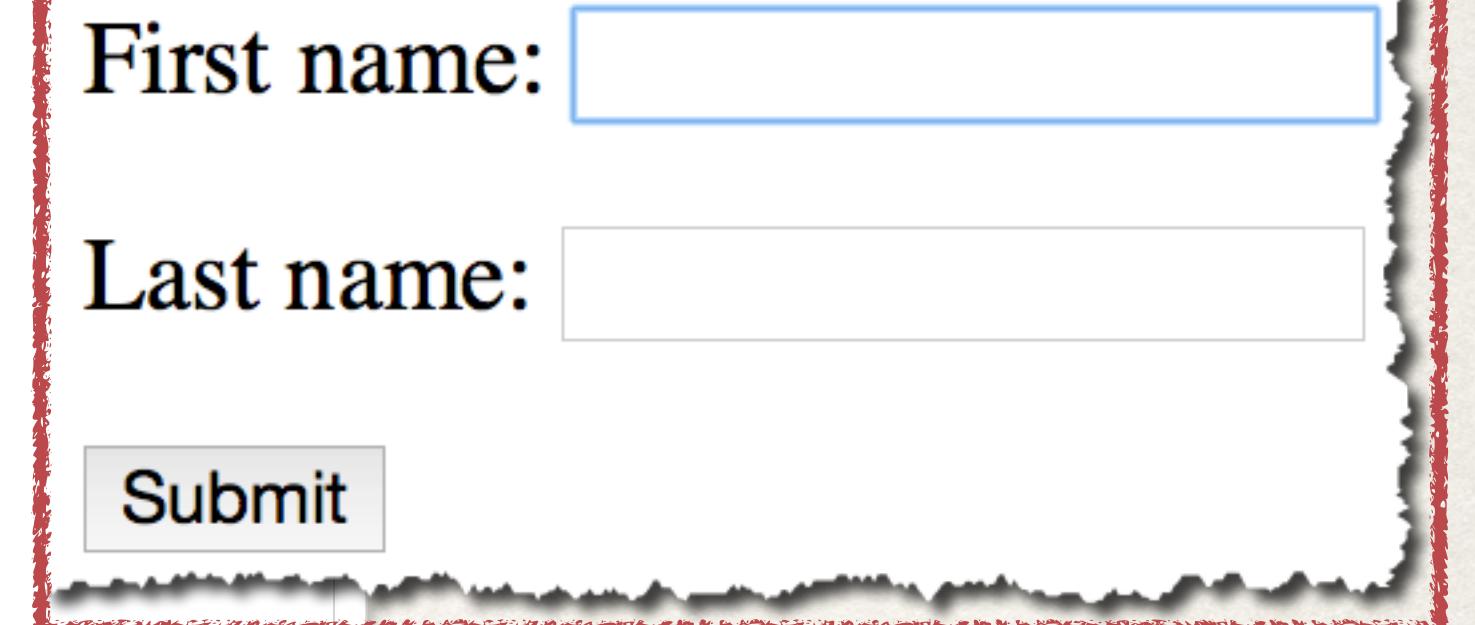
```
<form:form action="processForm" modelAttribute="student">
```

First name: <form:input path="*firstName*" />

Last name: <form:input path="*lastName*" />

<input type="*submit*" value="*Submit*" />

```
</form:form>
```



First name:

Last name:

When Form is Loaded ... fields are populated

```
<form:form action="processForm" modelAttribute="student">
```

First name: <form:input path="firstName" />

```
<br><br>
```

Last name: <form:input path="lastName" />

```
<br><br>
```

```
<input type="submit" value="Submit" />
```

```
</form:form>
```

When form is loaded,
Spring MVC will call:

student.getFirstName()

...

student.getLastName

When Form is submitted ... calls setter methods

```
<form:form action="processForm" modelAttribute="student">
```

First name: <form:input path="*firstName*" />

Last name: <form:input path="*lastName*" />

<input type="**submit**" value="**Submit**" />

```
</form:form>
```

When form is **submitted**,
Spring MVC will call:

student.setFirstName(...)

...

student.setLastName(...)

Handling Form Submission in the Controller

Code snippet from Controller

```
@RequestMapping("/processForm")
public String processForm(@ModelAttribute("student") Student theStudent {

    // log the input data
    System.out.println("theStudent: " + theStudent.getFirstName()
        + " " + theStudent.getLastName());

    return "student-confirmation";
}
```

Confirmation page

```
<html>
```

```
<body>
```

The student is confirmed: \${student.firstName} \${student.lastName}

```
</body>
```

```
</html>
```

The student is confirmed: John Doe

Pulling It All Together

student-form.jsp

First name:

Last name:

Student



**Student
Controller**

Student



student-confirmation.jsp

The student is confirmed: John Doe

Development Process

Step-By-Step

1. Create Student class
2. Create Student controller class
3. Create HTML form
4. Create form processing code
5. Create confirmation page