

JSF FORMS AND MANAGED BEANS



Topics

- What are Managed Beans?
- Requirements for Managed Beans
- Creating a Managed Bean
- JSF Expression Language
- Setting Managed Bean Property from JSF Page
- Reading Managed Bean Property from JSF Page



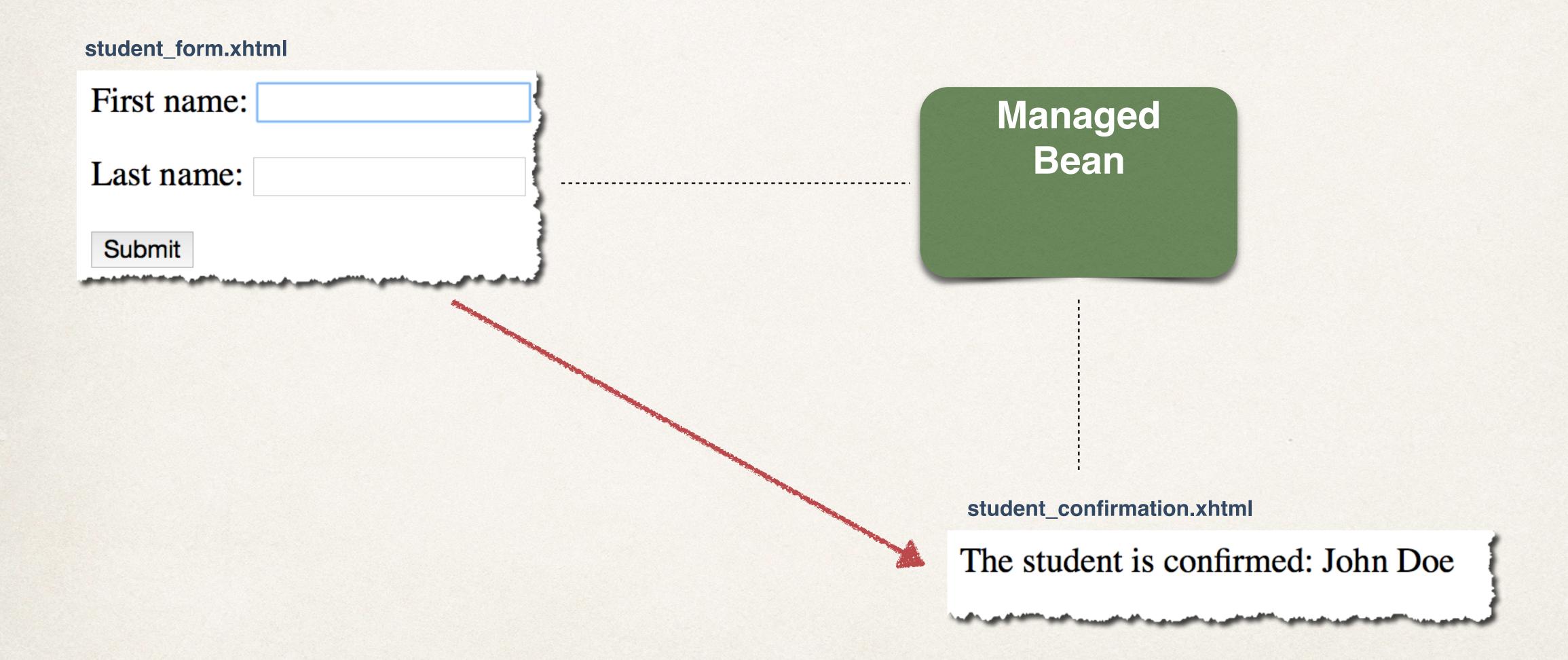
What are Managed Beans?

- A managed bean is regular Java class
- Commonly used to hold form data
- Can also contain business logic
- Created and managed by JSF ... hence "managed bean" :-)

Warning: Not to be confused with Enterprise Java Beans (EJB)



What are Managed Beans?





Requirements for Managed Beans

- Must follow these rules:
 - Public no-arg constructor
 - Expose properties via public getter/setter methods

• JSF 2 added support for annotation: @ManagedBean



Creating a Managed Bean

Coding Session



JSF Expression Language

- The JSF expression language is used to
 - Access properties of a managed bean
 - Other logic functions are available too

Basic syntax



Setting Managed Bean Property from JSF Page

• To access a bean property from a JSF form:

<h:inputText value="#{student.firstName}" />

When form is submitted, JSF will call:

student.setFirstName(...)



Getting Managed Bean Property from JSF Page

• To get a bean property from a JSF page:

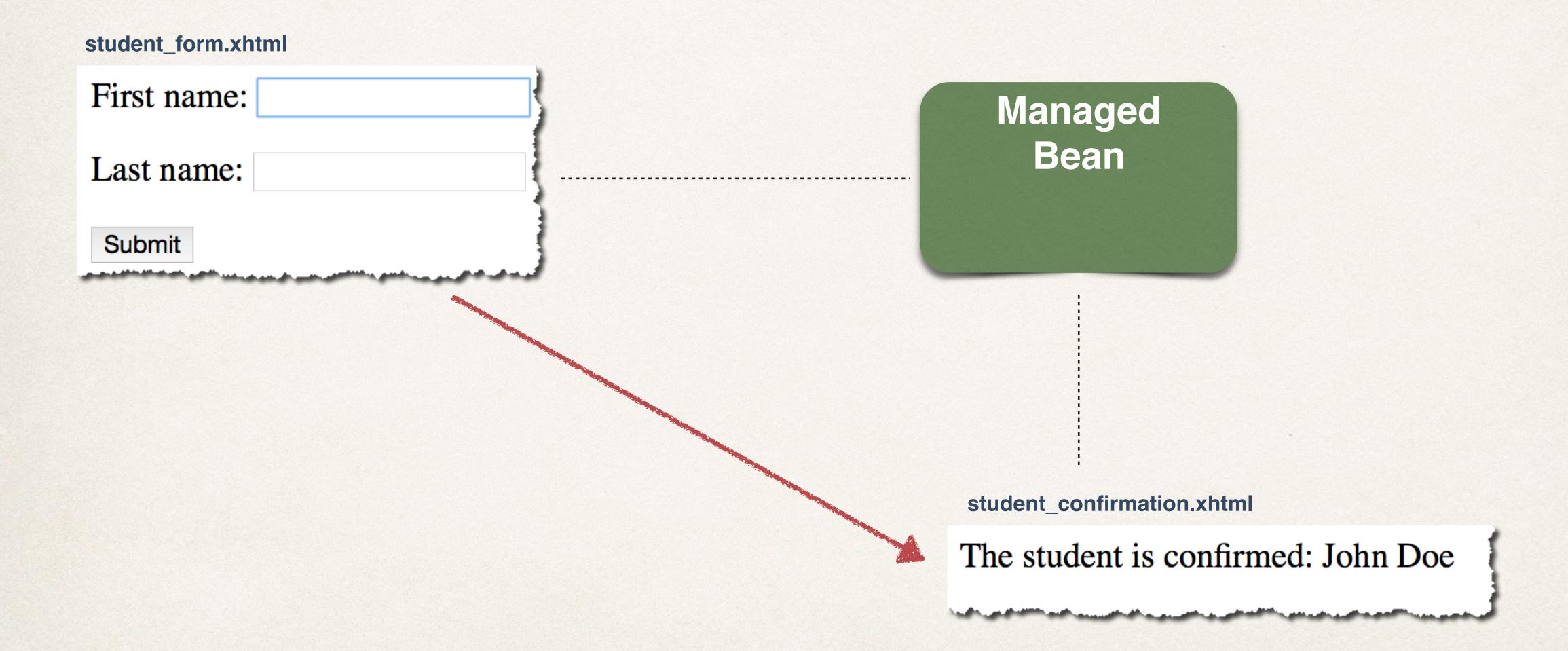
Student's name is: #{student.firstName}

When page is processed,

JSF will call: student.getFirstName()



Pulling It All Together





Summary

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