Spring MVC

Knowledge Level: Advanced

Module Information

Module Description	MVC is a pattern that helps separate presentation from business logic. In this module you will understand Spring MVC architecture and steps to create a web application using Spring MVC. This modules includes the following chapters.
	• Spring 3.0 features
	• Introduction to Spring MVC
	• HandlerMapping
	• Controllers
	• Validations
	• HandlerInterceptors
	• Views
	• Form tags
Level	Advanced
Prerequisites	1. Knowledge in core Spring Framework.
	2. Basic Knowledge in XML
	3. Java 6
	4. Basic knowledge in web application

Spring MVC: Overview

Objectives:

After completing this module, you will be able to:

- ❑ Describe the new features in Spring 3.0
- ❑ Explain Spring MVC architecture
- ❑ Create web application using Spring MVC

Scenario

Motivation for Spring MVC

Eases Maintenance Code:

Changes to business logic are less likely to break the presentation logic and vice versa

Ease testability:

Business and navigation logic are separated from presentation logic meaning they can be tested separately

Spring Beans:

All MVC components are configured as spring beans, hence and AOP is possible
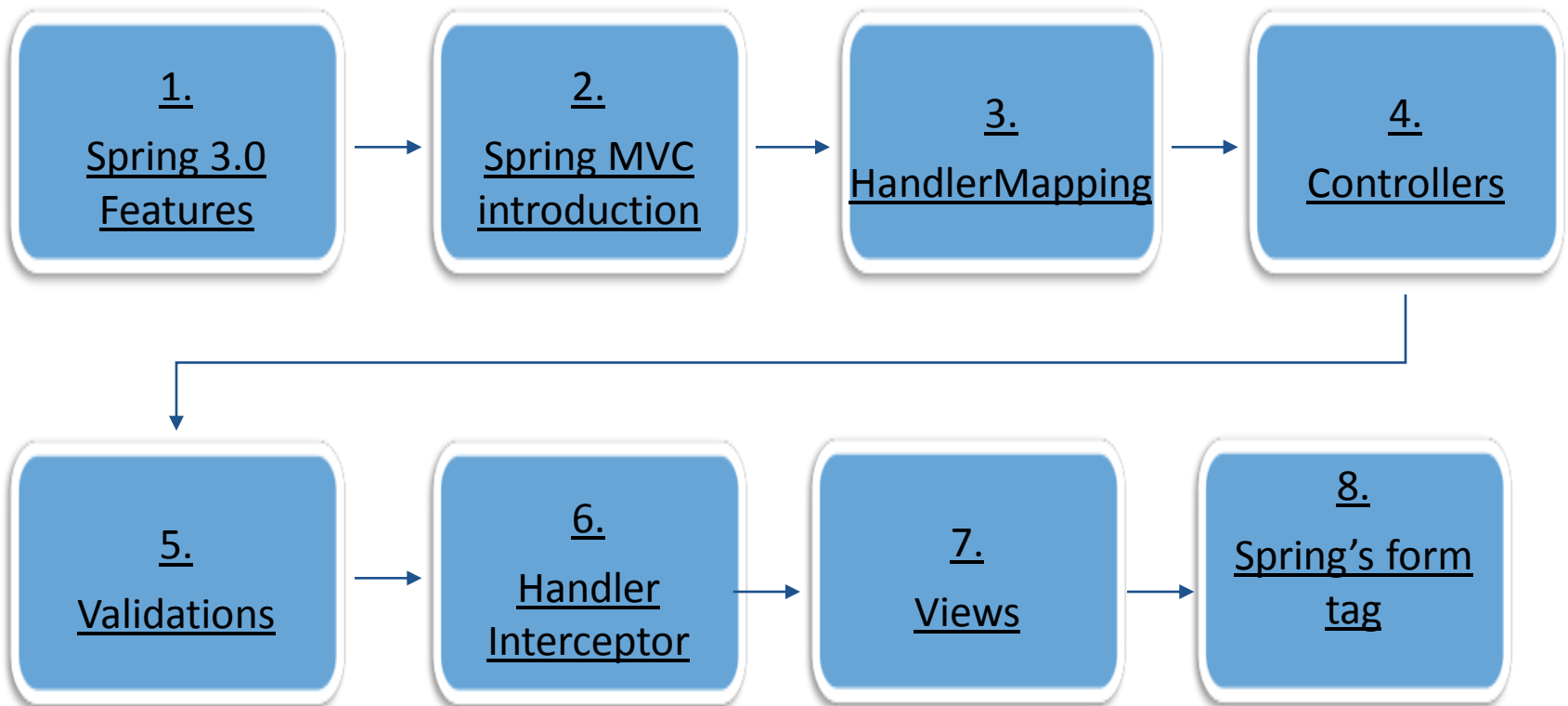
Lighter-weight environment:

Spring enables you to build enterprise-ready applications using POJOs

Cognizant | Academy
Passion for making a difference

Course Outline

Course Flow:

```
1.                2.                3.                4.
Spring 3.0   →   Spring MVC   →   HandlerMapping  →  Controllers
Features         introduction
                                                        │
                                                        ↓
5.                6.                7.                8.
Validations  →   Handler      →   Views        →   Spring's form
                 Interceptor                         tag
```

Spring MVC: Summary

❖ The Spring Web MVC Framework is a robust, flexible, and well-designed framework for rapidly developing web applications using the MVC design pattern.

❖ The benefits achieved from using this Spring module are similar to those you get from the rest of the Spring Framework.

❖ Spring MVC nicely separates the roles played by the various components that make up this web framework.

❖ Although you are using JSP as our view technology, Spring supports other view technologies as well, such as Apache Velocity and FreeMarker.

Spring MVC: Next Step

Resource Type	Description	Reference Topic or Module
Book	Pro Spring	ALL
Book	Expert Spring MVC and Web Flow	ALL
URL	http://static.springframework.org/spring/docs/3.0.x/reference/index.html	ALL
URL	http://book.javanb.com/Professional-Java-Development-with-the-Spring-framework/BBL0114.html	Controllers, Views

Assessment follows!

You have successfully completed
Spring MVC

Click here to proceed