Final Exam Review (week 2)

Lesson 6:

1. What AOP is?
2. Cross cutting concern, tangling
3. Definitions of AOP.
4. How to implement it using AspectJ
5. Proxy pattern how it works?
6. Some level of implementation of AOP.

Lesson 7:

Security

1. What authorization and authentication is and generally how they work? Lab is a good tool. Say how the supervisor can do authentication based on authentication methods.
2. Understanding of Role Based and Attribute based. Identify something about those security details.
3. What the built-in expression do.
4. At least know what a group is, without implementing it.

Validation

1. Know why you will use it.
2. There will be implementation of annotations for validations.
3. Describe what groups are.

Lesson 8:

1. N-tier architecture.
2. Why Service layer is important
3. Good framework

Lesson 9:

1. What is Remoting is for?
2. What the technologies are?
3. What JMS is and terminologies that we use?
4. Configuration and know all the pieces
5. AMQP, terminologies are important

Lesson 10: EAI

1. ESB Capabilities
2. Familiar with basic functions of Spring EAI Components, know the basic symbols. Know what an Adapter, channel, transformer is and they do.
3. Customization you need to do and understand that. Slide 11.
4. Understand the symbols Components and how they work.

Lesson 11: Spring MVC

1. MVC and what Spring MVC
2. Syntax of all annotations
3. Data Binding and what it does syntactically
4. Know the Form tag libraries

Lesson 12: Rest Web Services

1. Know what REST is.
2. Limitations of REST, slide 5 how it maps to Http.
3. POST and the rest (PUT), Idempotent
4. Difference between Web2.0 and Rest
5. How to do Spring Rest, familiar with lingua franca of the annotations @ResponseBody etc.

Exam Questions

2. AOP Aspect, implementation an example of usage. Generally how AOP works,

3.

4. Validation Annotation domain models and Controller, how to get into the UII

5. Related to implementation –JMS and AMQP – check the labs and demos. How the whole set up is! Where the pieces are? What point to point is what pub/sub is etc.

6. Security Autherization