General information

Description

Spring Framework is a Java platform that provides comprehensive infrastructure support for developing Java applications. Spring handles the infrastructure so you can focus on your application.

Course Materials

Required

Java SE, Java EE.

Course Schedule

Week	Topic	Description
Week 1	Overview of Spring Framework	Getting Started with Spring
Week 2	Core Technologies	The IoC container, Bean overview, Dependencies
Week 3	Bean scopes	The singleton and prototype scope and other
Week 4	Annotation-based container configuration	@Required, @Autowired
Week 5	Resources	Built-in Resource implementations, The ResourceLoaderAware interface
Week 6	Validation, Data Binding, and Type Conversion	Spring Type Conversion
Week 7	Spring Expression Language (SpEL)	Expression Evaluation using Spring's Expression Interface
Week 8	Aspect Oriented Programming with Spring	@AspectJ support, Schema-based AOP support
Week 9	Spring AOP APIs	Pointcut API in Spring
Week 10	Testing	Spring JUnit 4 Testing Annotations
Week 11	Object Relational Mapping (ORM) Data Access	Hibernate, JPA, Declarative transaction management, Data access with JDBC
Week 12	Web MVC framework	Implementing Controllers
Week 13	Marshalling XML using O/X Mappers	Marshaller and Unmarshaller
Week 14	View technologies	Thymeleaf, Introduction
Week 15	JSP, JSF	JSON Mapping View, HTTP Message Conversion