



THE CRIMSON ADVANTAGE

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Developing Web Applications With Spring MVC– Course Plan

Compiled By

Crimson Computing Solutions

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No of Sessions : 8

Duration : 2*8 = 16 Hours

About the Trainers

Praveen George is the Co-Founder and Principal Consultant for Crimson Computing Solutions. He is also a social media enthusiast and an author on topics including Enterprise Application Development, Automation, Web Security, Mobile Enablement etc. Praveen is currently living in SF Bay Area, CA.

Nicy Chacko is a Sun Certified Java Programmer and Oracle Certified SQL Developer. She specializes in developing interactive voice response systems. She previously worked with Tata Consulting Services and is currently living in SF Bay Area, CA.

Course Description

This course is intended for participants who has undergone Java Web Application Development course or who has already got some experience in developing web applications using Java. The course is focused on practical training and hands on experience through interactive web ex based sessions. Eclipse, Ant, Spring MVC, Hibernate, Spring JPA, EJB3, Spring Struts Integration, Tiles, Spring Web Flow etc will be discussed. Sample code and configurations would be provided as part of the training and users would be given full access to the source code behind mobchannel.com a social solutions portal.

Reference Text Book

Developing Complex Web Applications Using MVC Frameworks
by Praveen George & Nicy Chacko

eBook purchases can be made online from
<http://www.crimsoncomputing.com/university/books/enterpriseapp/>

Prerequisites:

Familiarity with Java Programming and Web Application development using servlets.
Basic understanding of xml concepts.



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1. Spring Core

- Introduction to Spring Framework
- Dependency Injection & Inversion of Control
- Spring Application Context
- Inheritance in Spring
- Bean life cycle in Spring

2. Hibernate & EJB3

- Hibernate Architecture
- Hibernate Query language
- Hibernate Types
- Annotations
- Managing Relationships
- Object Relational Mapping
- Spring Hibernate JPA Adapter
- EJB3 & JNDI
- Spring & JTA

3. Spring Integration with Struts & Tiles

- Struts MVC
- Tiles
- Struts-Tiles Integration
- Spring-Struts Integration

4. Agile software development & management

- Spring MVC
- URL Mapping Handlers
- Spring Request Handling
- Interceptors
- Form Controllers
- Binding & Validation Framework
- Spring Web Flow