Spring RESTful Web Services

Lesson 00

Course Goals and Non Goals

➢ **Course Goals**

- – Learning core concepts of RESTful Web with Spring 3

- – Developing applications using RESTful Web Service with Spring 3

➢ **Course Non Goals**

- – Developing Enterprise applications
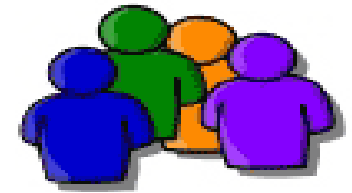
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Pre-requisites

- Java 1.5
- Servlet/JSP
- HTML/XML/JSON
- Spring
- Spring MVC framework
- Tools
  - Eclipse
  - Tomcat, JBoss

Intended Audience

➤ Developers/Programmers

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Agenda

1. Introduction
2. Basic Verbs of REST
3. REST Principles
4. REST development guidelines
5. RESTFul Spring Web Services

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Course Details

Lesson 1

- Introduction
- What is RESTful Web Services?
- RESTful Web Service basics
- Characteristics of REST

Lesson 2

- REST Web Services design principles
- HTTP Methods
- Web services URI design Guidelines

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Course Details

Lesson 3

- REST development guidelines
- URI Opacity
- Query String Extensibility
- Deliver Correct Resource Representation
- Asynchronous Services
- Receiving and Sending XML
- Exception handling and propagation

Lesson 4

- RESTFul Spring Web Services
- Spring 3 REST support
- RESTful service design
  - Server
  - Client application