Core Java Server Faces - JSF 2.0 (TT6300)

Duration: 3 Days   Course Code: GK4228

Overview:

Created in collaboration with several leading JEE authors and industry experts, Core JavaServer Faces 2.x is a lab-intensive, hands-on programming course that will provide students with the skills required to design and build scalable, secure, maintainable web applications - leveraging our team's extensive experience in the delivery of scalable enterprise applications with complex web interfaces based on JEE technologies.

Target Audience:

This is an intermediate level JSF training course, designed for experienced Java developers that need to further extend their skills in web development.   Attendees should have an extensive working knowledge in developing JEE applications.

Objectives:

- Introduction and Overview
- The JSF Architecture
- JSF Request Processing
- JSF User Interface components
- UEL Expression Language

- Event Handling
- Data Validation
- Data Conversion
- Rendering Interface Objects

Prerequisites:

Students should have basic development skills and a working knowledge in the following topics, or attend these courses as a pre-requisite:

- TT2100 Mastering Java for OO Developers
- TT5100 Mastering JEE Web Application Development

Content:

Session: Introduction to JSF

- JSF Goals
- JSF –Benefits
- JSF 2.0 Features
- Concerns with JSF
- JSF – Framework Structure

Session: JSF Architecture Overview

- Architecture Overview
- Physical Components
- The Faces Servlet
- The Lifecycle Object
- Lifecycle Phases

Session: JSF Request Processing

- Request Processing
- Page Navigation
- JSF Objects
- Accessing Backing Beans
- The ValueExpression Object

Session: JSF User Interface Obects

- JSF Custom Tag Libraries
- Panels

Session: Unified Expression Language (UEL)

- UEL Basics
- UEL Identifiers
- UEL Implicit Objects
- UEL Operators
- JSTL

Session: Event Handling

- The ActionEvent Class
- The ValueChangeEvent Class
- Event Listeners in JSF
- The ActionListener
- The ValueChangeListener

Session: Data Validation

- Using Standard Validators
- Handling Error Output
- Custom Validators
- Validators

Session: Data Conversion and Rendering

- Data Conversion and Rendering
- Converters
- Custom Converters
- Renderers

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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