



Training: Web Development with Java

Section 1 - Web Application Overview

- Java EE 6 Platform
 - Architecture
 - Web Servers
- Java Web Technologies

Section 2 - JSF Overview

- Facelets
 - Facelet Tag Libraries
 - JSF Expression Language (EL)
- JSF Framework
 - UI Components
 - MVC Framework
 - Managed Beans
 - JSF Life Cycle
 - Converters and Validators
 - Page Navigation
 - Event Handling

Section 3 - Working with JSF

- Ajax with JSF
- Page Navigation
 - Implicit Navigation
 - Explicit Navigation
 - Action Event Handlers
- Templates
 - Page Design Reuse
 - Facelet Templates
 - Facelet Template Clients
 - Predefined Templates

Section 4 - Anatomy of a JSF Web App

- JSF Managed Beans
 - Annotations
 - Bean Scopes
 - Property Bindings and EL
 - MVC Support
- JSF Life Cycle
 - Request-Response
 - Ajax Support
 - Conversion and Validation
 - System Events and Listeners

Section 5 – Customization

- Conversion and Validation
 - Custom Converters
 - Custom Validators
 - Configuring faces-config.xml
- Composite Components
 - Convention over Configuration
 - Interface
 - Implementation
 - Component Tags and Namespace Definitions
- Locales and Translations
 - Localization
 - Internationalization

Section 6 - Java Database Connectivity

- Working with JDBC
 - Driver Classes
 - Database Connections
 - Database Queries and ResultSets
 - Statement Objects
- JSF Front End
 - Data Display Components
 - Managed Beans for Middle Tier

Section 7 - Java Persistence

- Java Persistence API
 - Local Interfaces
 - Context and Dependency Injection

- Entity Beans, Entity Manager
- Session Facade
- JSF Front End
 - Data Display Components
 - Managed Beans for Middle Tier

Section 8 - Web Services

- Web Services with Java
 - SOAP Web Services with JAX-WS
 - REST Web Services with JAX-RS
 - Using XML and JSON
- Working with Web Services
 - Creating Web Services
 - Publishing Web Services
 - Testing Web Services
 - Consuming Web Services