



Java Server Faces (JSF) Course Syllabus

Course Description:

Java Server Faces (JSF) provides event driven, component-based technology for developing J2EE web applications. Moreover, the course will go into assembling reusable UI components into rich GUI pages. This course is designed for experienced Java Web Developers with the aim of mastering the JSF technology for professional web application development.

Prerequisite Course(s):

- Web Fundamentals & HTML
- Java Programming
- Advanced Java Programming
- XML & Java API for XML Processing
- Developing Web Applications using Servlets & JSP
- Advanced Servlets & JSP

Learning Objectives:

- To understand the fundamentals of the JSF framework and how it can be used to rapidly build data-driven Java web applications.
- To discover how JSF integrates with JSP.
- To discover the techniques of navigation and event handling.
- To master the JSF form validation framework.
- To explore how to build your own custom JSF components.

Course Outline:

- Introduction to JSF.
- Overview on JSF architecture, concepts, and features.
- Developer roles (in Web Application Development)
- JSF Request Processing Life Cycle.
- UI Component Model.
- Using JSF Tag Libraries
- Core Tags, HTML Tags.
- Backing Beans (Model Beans).
- Page Navigation.
- Handling Events.
- Performing Validation.
- Performing Data Conversion.
- Navigating Between Pages.
- Rendering.
- Performing Localization.
- Custom Components in JSF.