

Java Training: Creating Web Applications with JSF (JSFPRO, 4 jours)

Description

The course Creating Web Applications with JSF (Java Training) is an exploration of Java Server Faces (JSF) development. The course begins with JEE web development concepts including core JSF tags, beans, expression language, navigation, face lets and data tables. The training also includes advanced concepts such as conversions & validation, event handling and composite components. You learn how to create scalable & maintainable JSF based Java web applications.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Java Web Development Architecture

Java Web Application Technology

Distributed Applications: Technology and Infrastructure

J2EE Architecture and Components

The Model-View-Controller Design Pattern

Setting up the Development Environment

About Servlets and JSP Pages

JSF and its Components

Java Server Faces Overview

About the JSF Project's Directory Structure

Bean Fundamentals: Bean Properties, Value Expressions and Backing Beans

Working with CDI Beans

Working with Message Bundles

Working with Bean Scope

About Bean Scopes

Working with Request Scope

Working with Session Scope

Working with Application Scope

Working with Conversation Scope

Working with View Scope

About Custom Scope Beans

Configuring Beans

Configuration Overview

Injecting CDI Beans

Injecting Managed Beans

About Bean Lifecycle Annotation

About XML Based Configuration

Working with Expression Language

Understanding Lvalue and Rvalue Modes

Using Brackets

Working with Map and List Expressions

Calling Methods and Functions

- Resolving the Initial Term
- Working with Composite Expressions
- Working with Method Expressions

Mastering Navigation

- Navigation Overview
- Working with Static Navigation
- Working with Dynamic Navigation: View ID to Outcome Mappings
- About Redirection
- Working with RESTful Navigation
- Implementing Advanced Navigation Rules

Standard JSF Tags

- Overview of JSF Core Tags
- Overview of JSF HTML Tags
- Working with Panels
- The Head, Body and Form Tags
- Working with Text Fields and Text Areas
- Working with Buttons and Links
- Working with Standard Control Tags
- Working with Messages

Working with Facelets

- Overview of Facelets
- Using Common Templates
- About View Organization
- Working with Decorators
- Using Parameters
- Implementing Custom Tags
- Using ui:debug
- Using ui:remove
- Working with Whitespaces

Working with Data Tables

- Working with the dataTable Tag
- Working with Headers, Footers and Captions
- Working with Styles
- About using JSF Components in Tables
- Editing Tables
- Working with Table Models
- Managing Scrolling

Conversion and Validation

- Understanding the Conversion and Validation Process
- Working with Standard Converters: Numbers, Dates and Errors
- Working with Standard Validators
- About Bean Validation
- Creating a Custom Converter
- Creating a Custom Validator
- Creating Tags for Custom Validators and Converters

Event Handling

- Events and the JSF Lifecycle
- Value Change Events
- Action Events
- Working with Event Listener Tags

Working with Immediate Components

Client to Server Data Exchange

About Phase Events

About System Events

Composite Components

The Composite Tag Library

Implementing Composite Components

Configuring Composite Components

About Component Attributes

Manipulating Server Side Data

Localizing Composite Components

About Facets, Children and JavaScript

About Backing Components

Packaging Composite Components