

"Charting the Course ...

# ... to Your Success!"

## JavaServer Faces Development with IceFaces

## **Course Summary**

### Description

This class covers how to develop and write Web applications that use the JavaServer Faces (JSF) framework. Standard JSF and IceFaces components are covered.

## Topics

- Introduction to the Workshop
- JSF Overview
- Ajax Overview
- JSF Components
- Validating Input
- JSF Navigation
- Internationalization
- Writing Custom Components
- Advanced JSF and IceFaces Topics

### Audience

This course is developed for experienced Java Web developers that wish to learn how to use JSF and IceFaces.

### Prerequisites

Before taking this course students should have prior Java JSP and servlet programming experience.

#### Duration

Three days

Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically



... to Your Success!"

## JavaServer Faces Development with IceFaces

## **Course Outline**

### I. Introduction to the Workshop

- A. J2EE Web Application Review
- B. Servlet Review
- C. JSP Review
- D. Model 2 Architectures

#### II. JSF Overview

- A. What is JSF?
- B. JSF Architectures
- C. JSF versus Struts and Other Frameworks
- D. JSF Requirements

### III. Ajax Overview

- A. What is Ajax
- B. Using XMLHttpRequest
- C. Overview of Ajax Libaries
- D. Introduction to IceFaces

#### **IV. JSF Components**

- A. What are JSF Components?
- B. Using Standard JSF Components
- C. Using IceFaces Components
  - 1. Common Attributes
  - 2. Using IceFaces componets
  - 3. Enhanced standard components.

### V. Validating Input

- A. Validation Scenarios
- B. Using Standard Validators
- C. Writing Custom Validators
- D. Using partial submit

## VI. JSF Navigation

- A. JSF Event Model
- B. Navigating Between Pages

#### **VII.** Internationalization

- A. Message Bundles and Resource Files
- B. Localizing Output

#### **VIII.Writing Custom Components**

- A. Extending an Existing Component
- B. Writing a New Component

#### IX. Advanced JSF and IceFaces Topics

- A. Connection management
- B. Drag and drop features
- C. Adding and customizing effects
- D. Using Facelets

Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically