



Computer Consultants Corporation

Java Server Pages (JSP) and Servlets

A Comprehensive Introduction

Length of course: 3 days (18 hours)

Prerequisites: Knowledge of Java 2 programming, HTML, and Web technologies.

Learning Objectives: Upon completion of this course, the student will be able to develop server-side Web applications using Java Server Pages and Servlets.

Introduction

- Web Applications
- Servlets
- JSP
- XML

Integrating JSP and Servlets

- Reusing Objects
- Calling JSP from Servlets
- Forwarding Java objects to JSP
- Using JavaBeans

Servlets

- What are servlets?
- The Java Servlet API
- Servlet Life Cycle
- Linking Web Forms to Servlets

JSP Custom Tags

- Creating JSP Custom Tags
- Accessing Custom Tags
- The Tag Library Descriptor (TLD)
- Setting Tag Attributes

Java Database Connectivity (JDBC)

- Connecting to a database
- Using SQL
- Formatting Database Records
- Using HTML Tables
- Drill-down Capability

Java Struts

- Overview of Struts Framework
- Model-View-Controller (MVC)
- Struts Components
- Building JavaBeans
- Presenting a View with JSP

Cookies

- Reading and Writing Cookies
- Managing Sessions for Users
- Storing Java Objects Sessions for Sessions
- Creating a Shopping Cart

Deploying a Java Web Application

- Creating a Web Application Archive (WAR)
- Application Security

Java Server Pages (JSP)

- What is JSP?
- JSP Scriptlets, Expressions and Declarations
- Adding Dynamic Content to Web Pages
- Managing Sessions and Cookies with JSP