Course benefits:
Struts is the popular open-source framework used for building web applications based on J2EE technologies. This Struts training course provides the skills for you to design and build Web applications using the Struts framework. You learn to streamline the development process by integrating, applying and extending Struts components. Extensive hands-on exercises were designed to make sure you put the theories you learn into practice.

You will learn how to:
- Develop scalable, enterprise Java Web applications using the Struts framework
- Build Action Classes to handle application requests
- Leverage Struts custom tags and the JSP Standard Tag Library (JSTL)
- Perform client- and server-side data validation using the Struts Validator Framework
- Integrate the Struts Tile Framework to develop reusable JSP layouts

Who should attend:
This course is valuable for those interested in developing Java Web applications with Struts. Knowledge of Java at the level of Course 323 - Java Servlets, JSP, and Struts, plus real-world Java programming experience, is assumed.
Struts Web Application Framework

Course: 341  Type: Hands-On Training  Duration: 4 days

Course Contents:

Getting Started with Struts
- The Struts web application framework
- The MVC design pattern
- Installing and testing Struts
- Creating a development environment

Struts Framework Components
- Exploring the case study
- ActionServlet
- Action
- ActionForm
- ActionMapping
- ActionForward
- struts-config.xml

JSP Expression Language
- Basic syntax
- Referencing scoped variables
- Accessing bean properties
- Accessing array elements and List elements
- Accessing map entries
- Using EL operators

JSTL and Struts Tag Libraries
- Using tag libraries
- Repetition control
- Decision control
- Printing out HTML encoded values
- Setting and removing a scoped variable
- Importing content from a URL
- URL related tags
- Formatting tags
- Using Struts tag libraries to build web forms

Form Beans
- Rules for creating form beans
- Declaring form beans in struts-config.xml
- Accessing form beans in the Action class
- Multi-page forms
- DynaActionForms
- Declaring dynamic forms
- Accessing DynaActionForm properties
- Displaying DynaActionForm properties

Form Validation
- Form validation options
- Validation in the ActionForm
- Displaying error messages
- Using resource bundles
- Repopulating forms
- Declarative validation
- Client-side Javascript validation
- Performing business logic validation

Exception Handling
- Declarative exception handling
- Handling runtime exceptions
- Extending the Struts exception handler

Internationalization
- Overview
- The resource bundle
- Using the resource bundle
- Setting up different resource bundles

Advanced Struts Features
- Plug-ins
- Extending the RequestProcessor
- ForwardAction
- DispatchAction
- Connection Pools

The Tiles Framework
- Layout vs. Content
- Approaches in laying out content
- Tiles components
- Layout templates
- Parameter pages
- Content pages
- Tile definitions
- Enabling Tiles for Struts

Related Courses:
Java Programming
Developing Java Web Applications

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