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Building Web Applications with Jakarta Struts Course Outline

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Section 1: JSP Custom Tags

- A Simple Custom Tag
 - Tag Library Descriptors
 - Implementing the Tag
 - Including the tag in a JSP
- Custom Tag Attributes
 - Reading Custom Tag Attributes
- Body Tags [Overview]
- Iterative Tags [Overview]
- Lab: Creating a Custom Tag

Section 2: Introduction to Struts

- Overview of Struts
- History and Purpose
- Acquiring Struts

Section 3: Struts Installation and Configuration

- The struts-template webapp
- The Struts Tag Libraries
- struts.jar
- struts-config.xml
- index.jsp: A Simple Example
- ApplicationResources.properties
- Lab: Internationalized Messages with Struts

Section 4: Struts from a Distance

- A JSP Form
- ActionForms
- Actions
- Mappings and struts-config.xml
- Forwards
- Putting it all together
- Lab: A Struts Login Form Part I

Section 5: Struts html tags

- base html tags
- images
- forms
- links

Section 6: Errors and Messages

- ActionErrors
- Action Messages
- Forwarding or Errors
- Displaying Errors in a JSP
- Displaying Individual Errors
- Lab: A Struts Login Form Part II

Section 7: Form Validation

- Validating Forms
- Validation Strategies
- Lab: A Struts Login Form Part III
- Putting it All Together
- Lab: A Simple Task Manager

Section 8: Struts logic tags

- logic:present and logic:notPresent
- Value Comparisons and Substring Matching
- logic:iterate
- Forwards and Redirects
- Lab: Redirects and Iterations [Task Manager Cont.]

Section 9: Struts bean tags

- jsp:useBean
- bean:define
- bean:write
- Cookies and Headers
- Accessing Web Application Resources
- Messages
- Displaying Nested Properties

Section 10: URLs, Parameters and Links

- Adding Parameters to links
- Strategies for Actions
- URL Extensions and Configuration
- Lab: Displaying Task Details [Task Manager Cont.]

Section 11: File Uploads with Struts

- Uploading a File
- File Validation
- Saving the File
- Lab: Uploading and Displaying Images

Section 12: Tiles