



Struts Framework Course Syllabus

Course Description:

Struts is a Java-based framework used to build web applications that can interact with database and business logic engines to create a dynamic response. Struts Technology is based on the Model-View-Controller (MVC) design pattern.

Prerequisite Course(s):

- Java Programming
- Advanced Java Programming
- XML & Java API for XML Processing
- Web Fundamentals (HTML & JavaScript).
- Developing Web Applications using Servlets & JSP
- Advanced Servlets & JSP

Learning Objectives:

- To understand the fundamentals and components of Struts framework.
- To understand an overview of the Model-View-Controller (MVC) design pattern and how it is applied by Struts framework.
- To learn how to generate dynamic views using Struts Custom Tag Libraries.
- To learn how to perform client side and server side data validation using the Struts Validator Framework.

Course Outline:

- Introduction to Struts.
- Overview on MVC design pattern.
- How the Struts framework applies MVC.
- How requests are handled in Struts.
- Struts main components.
- The Controller components (ActionServlet, RequestProcessor, Action , Action Mapping, ActionForm beans).
- Struts configuration files (struts-config.xml, web.xml).
- The View Components (Struts Tag Libraries, Message Resource Bundles).
- Internationalization and multiple languages views.
- The Model Components.
- Struts Validator Framework.