

Struts 2

Basics of Struts2

- ✓ Struts : What and Why?
- ✓ Model1 vs Model2
- ✓ Struts2 Features
- ✓ Steps to create Struts2 application
- ✓ Understanding Action class
- ✓ Understanding struts.xml file
- ✓ Struts2 in Eclipse IDE
- ✓ Struts2 in Myeclipse IDE

Core Components

- ✓ Interceptors
- ✓ ValueStack
- ✓ ActionContext
- ✓ ActionInvocation
- ✓ OGNL

Struts 2 Architecture

Struts2 Action

- ✓ Action Interface
- ✓ ActionSupport class

Struts2 Configuration

- ✓ multi configuration
- ✓ multi namespace

Interceptors

- ✓ Custom Interceptor : Life Cycle of Interceptor
- ✓ params interceptor
- ✓ execAndWait interceptor
- ✓ prepare interceptor
- ✓ modelDriven interceptor
- ✓ exception interceptor

- ✓ fileUpload interceptor

Struts 2 Validation

- ✓ Custom Validation : workflow interceptor
- ✓ Input Validation : validation interceptor
- ✓ Ajax Validation : jsonValidation interceptor

Aware Interfaces

- ✓ ServletActionContext
- ✓ SessionAware
- ✓ Login and Logout Application
- ✓ ServletContextAware

Basics of Hibernate

- ✓ Hibernate Introduction
- ✓ Hibernate Architecture
- ✓ Understanding First Hibernate application

Hibernate Application

- ✓ Hibernate with annotation
- ✓ Hibernate Web application
- ✓ Hibernate Generator classes
- ✓ Hibernate Dialects

Hibernate Logging

- ✓ Hibernate with Log4j 1
- ✓ Hibernate with Log4j 2

Inheritance Mapping

- ✓ Table Per Hierarchy
- ✓ Table Per Hierarchy using Annotation
- ✓ Table Per Concrete
- ✓ Table Per Concreteusing Annotation
- ✓ Table Per Subclass
- ✓ Table Per Subclass using Annotation

Collection Mapping

- ✓ Mapping List
- ✓ One-to-many by List using XML
- ✓ Many to Many by List using XML
- ✓ One To Many by List using Annotation
- ✓ Mapping Bag
- ✓ One-to-many by Bag
- ✓ Mapping Set
- ✓ One-to-many by Set
- ✓ Mapping Map
- ✓ Many-to-many by Map
- ✓ Bidirectional
- ✓ Lazy Collection

Component Mapping

Association Mapping

- ✓ One-to-one using Primary Key
- ✓ One-to-one using Foreign Key

Integration

- ✓ Hibernate and Struts
- ✓ Hibernate and Spring

Basics of Spring

- ✓ What is Spring
- ✓ Spring Modules
- ✓ Spring Application

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to each Student.**

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Contact:

Sandeep Sappal

Numeric Infosystems Pvt. Ltd.

13, GulabChand Ki Bagichi, Behind Javar
Estate.

In Front of Punjab National Bank, Thatipur
Chauraha, Gandhi Road, Gwalior

+91 9301123085, +91 9752576100.