

CURSO STRUTS

Descripción General

Curso orientado a estudiantes o profesionales que tengan conocimientos básicos sobre los conceptos básicos de Java y que sean totalmente nuevos en los marcos de Java.

Objetivo

Que el estudiante aprenda los fundamentos básicos del Framework Struts 2 y que entienda como funciona MVC en un entorno web Java para construir aplicaciones utilizando dicha herramienta.

Información

Duración

- 10 horas
- 5 días de Lunes a Viernes
- 9:00 a 11:00 horas

Requisitos

- Conocimientos básicos de Linux

www.cursoslinux.com.mx

ventas@plct.com.mx

PLCT S.A. de C.V.

Tel.: 55 4522 7839 y 55 1800 7696



Sección 1: Introduction

1. Course Overview
2. What is MVC?
3. What is a Framework
4. Introduction to Struts 2
5. Struts 2 Architecture

Sección 2: Writing First Strust 2 Application

1. Setup Tomcat Server
2. Setup Struts 2 work environment
3. First Struts 2 Application: Part 1
4. First Struts 2 Application: Part 2

Sección 3: Simple Registration Application

1. Passing data from Action to JSP
2. Passing data from JSP to Action
3. Action and ActionSupport
4. Simple Registration Application: Part 1
5. Simple Registration Application: Part 2

Sección 4: Struts 2 Fundamentals

1. Struts 2 Architecture in detail
2. ValueStack and OGNL
3. Interceptors

Sección 5: Basic Form Validation

1. Form Validation: Part 1
2. Form Validation: Part 2
3. Form Validation: Part 3

Sección 6: Struts 2 Tags

1. TextArea and Reset Tag
2. Select Tag: Part 1
3. Select Tag: Part 2
4. Checkbox Tag
5. Checkboxlist Tag
6. Iterator Tag
7. If Else Tag



Sección 7: JDBC Basics

1. Installation of Oracle
2. Introduction to JDBC
3. Types of JDBC Drivers
4. JDBC Classes/Interfaces
5. JDBC Connectivity Steps
6. Establishing Connection with the database
7. Reading from the database
8. Create table using Statement
9. Insert using Statement
10. Update using Statement
11. Delete using Statement
12. Statement Vs PreparedStatement
13. Insert using PreparedStatement
14. Update using PreparedStatement
15. Delete using PreparedStatement
16. Callable Statement: Part 1
17. Callable Statement: Part 2

Sección 8: Struts 2 Database Application – Version 1

1. Introduction to Product Management Application (V1)
2. Login: Part 1
3. Login: Part 2
4. Welcome Page: Part 1
5. Welcome Page: Part 2
6. Add Product
7. Update Product: Part 1
8. Update Product: Part 2
9. Delete Product
10. Running the Application
11. Source Code: Product Management Application (V1)



Sección 9: Internationalization and Localization

1. Updating Eclipse, Struts and Tomcat (2019)
2. Introduction to Internationalization and Localization
3. Implementing Internationalization and Localization - Part 1
4. Implementing Internationalization and Localization - Part 2
5. Implementing localized error messages
6. Source Code

Sección 10: Interceptors

1. Interceptor Stack
2. How interceptors run?
3. Creating a custom interceptor
4. Custom Interceptor(AgeGroupInterceptor) - Part 1
5. Custom Interceptor(AgeGroupInterceptor) - Part 2
6. Source Code

Sección 11: Validation Framework

1. What is Struts 2 Validation Framework?
2. Basic Validation vs Validation Framework
3. Field Validators and Non-field Validators
4. Creating a custom validator - Part 1
5. Creating a custom validator - Part 2
6. Source Code

Sección 12: Struts 2 Database Application – Version 2

1. Creating a Navigation Bar
2. Setting a session attribute
3. Login Interceptor - Part 1
4. Login Interceptor - Part 2
5. Implementing Filter Panel - Part 1 (Includes Date Picker)
6. Implementing Filter Panel - Part 2 (Read filter values)
7. Implementing Filter Panel - Part 3 (Add created_date column in database)
8. Implementing Filter Panel - Part 4 (Refactoring code)
9. Implementing Filter Panel - Part 5 (Writing filter logic)
10. Source Code: Product Management Application (V2)



Sección 13: Struts 2 Annotations

1. Introduction to Struts 2 Annotations
2. Struts 2 Annotations @Action, @Result, @Results - Part 1
3. Struts 2 Annotations @Action, @Result, @Results - Part 2
4. Multiple methods in a single Action class
5. Struts 2 Namespace, @Namespace Annotation - Part 1
6. Struts 2 Namespace, @Namespace Annotation - Part 2
7. Struts 2 Namespace, @Namespace Annotation - Part 3
8. Struts 2 @ResultPath Annotation
9. Struts 2 Validations Annotations - Part 1
10. Struts 2 Validations Annotations - Part 2
11. Struts 2 @Actions Annotation

Sección 14: Source Code

1. Source Code: Struts 2 Test
2. Source Code: Registration Application
3. Source Code: Struts 2 Tags