

Java Training: Exploring JEE Design Patterns (JJEEP, 4 jours)

Description

The course Exploring JEE Design Patterns (Java Training) focusses on JEE Design Patterns and best practices. The course starts with principles of Java development, followed by an in-depth review of objects & interfaced. Common design patterns are covered as a lead up to Enterprise Java design patterns. Practical examples are covered using technologies such as Struts or Spring MVC to build a comprehensive, hands-on example.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Software Engineering with Components

What is a good system?

Do we have a good system?

What are good systems like? Encapsulation, Abstraction, Coupling!

How are good systems built?

Software engineering overview

Model View Controller

UML Basics

About Design Patterns

About JEE Design Patterns

Object Oriented Programming with Java

Proper Coding

Creating Classes

Class Properties

Object Methods

Constructors and Destructors

Destructors

Static Data

Inheritance

Polymorphism

Abstract Functions and Classes

Interfaces

Design Pattern Basics

Re-using code: About useful objects

What is a design a pattern

Describing design patterns

The catalogue of design patterns

Why use design patterns

Identifying design patterns

How to select a design pattern

How to use a design pattern

Creational patterns

Structural patterns

Behavioral patterns

JEE Patterns

Describe the Java Pet Store demo software

Creational patterns

Abstract factory

Builder

The factory method

Prototype

Singleton

Creational pattern review

Structural patterns

Adapter

Bridge

COM present

Decorator

Facade

Flyweight

Proxy

Structural pattern review

Behavioral patterns

Chain of responsibility

Command

Interpreter

Iterator

Mediator

Memento

Observer

State

Strategy

Template method

Visitor

Behavioral pattern review

Using Integration Tier Patterns

List the features and purpose of the Integration Tier patterns

Apply the Service Activator pattern

Apply the Data Access Object (DAO) pattern

Apply the Domain Store pattern

Apply the Web Service Broker pattern

Presentation to Business Patterns

Presentation to Business Patterns Basics

Service Locator

Session Facade

Business Delegate

Transfer Object

Intra-Business Patterns

Intra-Business Patterns Basics

Application Service

Business Object

Transfer Object Assembler

Composite Entity

Value List Handler

Struts Reviewed

Model 2 Architecture

Implementing MVC with Struts

Form Action Form Controller Business Object

Struts Configuration

Struts Deployment

Presentation Tier Patterns

Presentation Tier Patterns Basics

Intercepting Filter

Front Controller

Application Controller

Context Object

View Helper

Composite View

Dispatcher View

Service to Worker