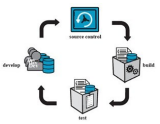
Java for Testers

Duration: 3 days Price: € 1999

Open Schedule



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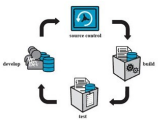

Audience Course Java for Testers

The course Java for Testers is intended for experienced testers that want to learn how to use Java, JUnit and Cucumber for writing test scripts.

Prerequisites Course Java for Testers

Experience with testing is required to join this course. Programming experience is beneficial for the understanding of the concepts but is not required.

Realization Course Java

The course has a hands-on nature. The theory is treated on the basis of presentation slides and is interspersed with practical exercises. The course material is in English. The course times are from 9.30 up and to 16.30.

Certification Course Java Testers

Participants receive an official certificate Java for Testers after successful completion of the course.

Content Course Java for Testers

In the course Java for Testers you will learn the basic syntax of **Java** and how to use it when writing JUnit test scripts and Cucumber scenarios.

Java Syntax

Attention is paid to the various data types in Java and the flow control constructions. Also the use of classes and objects with methods, parameter passing and private and public data is discussed. And exception handling in Java and the Java collection framework are treated as well.

JUnit Test

The program of the course Java for Testers also discusses to the design of JUnit tests, the structure of JUnit tests, the annotations and assert statements used, the execution of JUnit tests in an Eclipse environment as well as the reporting on the outcome of the tests.

Cucumber en Gherkin

Finally the Cucumber Framework will be discussed and the mini language Gherkin and the integration with JUnit. The demos and exercises in the course Java for Testers are done in a JUnit environment and are therefore directly applicable when writing test scripts.

Maven Dependency Management

Attention is also paid to the automation of tests in the context of setting up continuous integration. The projects are built in the dependency management tool Maven. The course Java for Testers provides a good basis for participating in the course **Web Testing with Selenium** .

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Locations
Houten, Amsterdam, Rotterdam, Eindhoven, Zwolle, Online

Modules Course Java for Testers

Module 1 : Basic Concepts	Module 2 : Language Syntax	Module 3 : Classes and Objects
Java Overview	Java Comments	Class Definition
Java Editions	Variables	Encapsulation
Java Platform	Types of Variables	Access Modifiers
Java Community Process	Primitive Data Types	Constructors
Java Language	Block Statements	Creating Objects
Compiling Java Programs	Operator Precedence	Fields and Methods
Running Java Programs	Flow Control	Using Objects
Compiler and Interpreter	if else Statements	static Modifier
Application Structure	switch Statement	this Keyword
Packages	for and while Loop	Parameter Passing
Jar files	break and continue	Method Overloading
Classpath	Arrays	Object References
Java Libraries	Enhanced for Loop	final Modifier
Maven	Strings	Object Destruction
Module 4 : Exception Handling	**Module 5 : Collections**	**Module 6 : JUnit and Cucumber**
Error Conditions	Collection Framework	What is JUnit?
Exceptions in Java	Framework Branches	Annotations
Exception Handling Syntax	Implementation Classes	Test Cases
Exception Hierarchy	Legacy Collections	Assert Statements
Multiple Catch Clauses	Collection Interface	Fixtures
finally Clause	Iterator Interface	Test Suites
Exception Information	Concrete Collections	Testing for Exceptions
Predefined Exceptions	List Interface	What is Cucumber?
Common Exceptions	ArrayList Class	User Stories
Throwing Exceptions	LinkedList Class	Scenario's
User Defined Exceptions	Map Interface	Feature Files
Chained Exceptions	Optional Methods	Gherkin Keywords
Rethrowing Exceptions	Views	Given When
Stack Traces	Using Generics	Test Automation

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