

## BDD with Gherkin and Cucumber-Java

 Duration: 2 Days

 Available Languages: English German

### Audience

Product Owners, Business Analysts, Requirements Engineers and Software Developers.

### Goals

Learn how to improve your Agile Process with Behavior-Driven Development.

### Contents

- Introduction
  - # TDD, BDD, ATDD
  - # Test Pyramid
  - # Unit Testing vs Acceptance Testing
  - # How to place Cucumber in the Test Pyramid
  - # Acceptance Testing with Cucumber
  - # Unit Testing with Cucumber
  - # BDD and User Stories: INVeST
  - # Specification by Example
- Gherkin
  - # Feature Files
  - # Given-When-Then Steps
  - # Scenarios
  - # Scenario Outlines / Examples
  - # Backgrounds
- Cucumber
  - # Implementing Step Definitions
  - # Implementing Step Definitions (Java 8)
  - # Assertions with JUnit
  - # Assertions with Hamcrest Matchers
- Setting Up Cucumber with IDEs
  - # Eclipse
  - # IntelliJ IDEA
  - # NetBeans
  - # Debugging
- Integrating Cucumber with Build Tools
  - # GNU make
  - # Apache Ant
  - # Apache Maven
  - # Gradle
  - # SBT

- # Launching Cucumber from JUnit (JUnit 4 Cucumber Runner, JUnit 5 Cucumber Extension)
- Advanced Topics
  - # How to phrase
  - # Data Tables
  - # Custom Data Types
  - # Test Selection (Tags)
  - # Hooks
  - # Cross-layer-testing - Reusing your Feature Files
  - # Cucumber and Spring
  - # Accessing your under-test context
  - # Performance Tricks
  - # Data-Driven Testing in Cucumber
- Comparison with other frameworks
  - # Concordion
  - # Easyb
  - # Fit / FitNesse
  - # JBehave
  - # JDave
  - # JUnit
  - # TestNG

There are plenty of examples and exercises.

The course uses OpenJDK 18, Maven 3.8.5, Gradle 7.4.2, JUnit Platform 1.8.2, JUnit Jupiter 5.8.2, and Cucumber 7.3.4.

## Booking

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