

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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