

# Course : BDD with Cucumber and Gherkin

*Practical course - 2d - 14h00 - Ref. BCG*

*Price : 1420 € E.T.*

Thanks to this training course, you will gain an understanding of the fundamental principles of Behavior-Driven Development (BDD) and its benefits. You'll learn how to write test cases with Gherkin, and how to use the Cucumber tool to automate test case execution.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding BDD concepts
- ✓ Defining features with Gherkin
- ✓ Transforming Gherkin requirements and acceptance tests with Cucumber

## Intended audience

Business analysts, developers, testers.

## Prerequisites

Basic knowledge of Java.

## Practical details

### Hands-on work

Each new theoretical concept is applied immediately and practically.

## Course schedule

### 1 Origins and objectives of BDD

- Extending and enhancing Test-Driven Development (TDD) with BDD.
- Reducing waste.
- Shorten availability time.
- Feature, glue and executable acceptance testing.
- When to use BDD and when not to.

### Demonstration

## PARTICIPANTS

Business analysts, developers, testers.

## PREREQUISITES

Basic knowledge of Java.

## TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

## ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

## 2 BDD tooling

- Expressing features and examples: Gherkin.
- Executable tests: Cucumber.
- Test automation: JUnit.
- Support for IDEs and Build tools.

### Hands-on work

BDD implementation with Gherkin, Cucumber and JUnit.

## 3 Gherkin syntax

- Feature/screenplay.
- Background.
- Patterns and anti-patterns.
- Using tables in a scenario.
- Use of parameterized scenarios.
- Annotate with tags.
- Organize your features.

### Hands-on work

write simple Gherkin scenarios.

## 4 Go further with Gherkin

- Define your own Domain Specific Language.
- Write features in your own language.

### Hands-on work

Creation of a Domain Specific Language (DSL) for an e-commerce application.

## 5 Teamwork organization

- The BA - Dev - Q/A trio.
- Writing examples.
- Glue creation.
- Review and validation by the product owner.

### Hands-on work

Optimizing a collaborative process.

## 6 Glues in detail

- Writing glues with Cucumber.
- Use Cucumber expressions.
- Use regular expressions.
- Stateful scenario.
- Support multiple assertions.

### Hands-on work

Practical application and glue analysis in Cucumber.

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

## 7 Defining requirements with BDD

- Define features and stories.
- Illustrate with examples.
- Breaking down stories to make them easier to understand.

### Hands-on work

Define and cut BDD stories for an e-commerce application.

## 8 Living documentation

- Role of documentation.
- Progress reporting.
- Definition of Done.

### Hands-on work

Setting up lively, collaborative documentation for a BDD project.

## Dates and locations

### REMOTE CLASS

2026 : 13 Apr., 22 June, 5 Oct., 7 Dec.

### PARIS LA DÉFENSE

2026 : 30 Mar., 15 June, 28 Sep., 30 Nov.