

Training Course Content

Testing in an Agile environment

Duration : 2 days

Languages : EN & FR

The course is aimed at anyone who wants to learn what testing means in an Agile team. All team members will benefit from understanding their contribution and the interaction with testers in the team. In this Course, we will teach you the techniques and methods applied in Agile Testing. You will also understand how to organize tests in Agile projects.

Learning Objectives

This training will introduce how testing is managed in Agile by presenting test techniques, test strategies, tools and automation. The goal is to:

- Review the principles of the Agile approach and their impact on the organization of the tests.
- Understand the principle of Acceptance Test Driven Development and how to write a test case.
- Understand the notion of test-driven development (TDD).
- Identify the principles of refactoring, code quality control and continuous integration
- Automate and orchestrate functional tests

Pre-requisites

Basic agile knowledge is recommended so the participants can actively contribute with questions and shared experiences.

Audience

This Agile Testing course is not just for Tester. Product Owners and programmers, all other members of an Agile team will benefit from understanding their contribution and the interaction with testers.

- Testers
- Developers
- Scrum master & product owners

Course Content

1. Life Cycle and Agile Projects

- Why are Agile methods adopted?
- Scrum and XP reminder
- User Stories

2. The test in Agile development

- Differences with the traditional approach
- Presentation of the Agile Quadrant
- The expression of quality criteria in Agile
- Assess quality risks and estimate test effort
- Role and skills of a tester
- Continuous improvement

3. Agile testing methods

- TDD (Test Driven Development)
- The ATDD model, executable specifications
- BDD (Behavior Driven Development)
- Specification by example
- Automation of tests
- Exploratory testing

4. Continuous integration

- The different elements of a continuous integration platform
- Implementation of the continuous integration platform
- Code qualimetry

Practical exercises

This training consists of practical exercises to illustrate the subjects discussed and provides trainees with the opportunity to learn through practice.

Trainer skills

Our experts who run our training courses or those we organize with a partner are specialists in the subjects covered. They are validated by our internal teams, both in terms of business knowledge and pedagogy, for each course they teach. They have at least five to ten years of experience in their field and hold or have held positions covering business topics.