

Testing in an Agile environment

Software Testing Training

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.

Détails

- **Code** : T-Agile
- **Durée** : 2 jours (14 heures)

Public

- Developers
- Product Owners
- Scrum Master
- Testers

Pré-requis

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

Objectifs

- 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

Programme

1. Life Cycle and Agile Projects

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

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

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

4. Continuous integration

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

3. Agile testing methods

- TDD (Test Driven Development)

Practical exercises

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

Modalités

- **Type d'action** :Acquisition des connaissances
- **Moyens de la formation** :Formation présentielle – 1 poste par stagiaire – 1 vidéo projecteur – Support de cours fourni à chaque stagiaire
- **Modalités pédagogiques** :Exposés – Cas pratiques – Synthèse
- **Validation** :Exercices de validation – Attestation de stages