

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** : TEST-AGILE-EN
- **Durée** : 3 jours (21 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

Life Cycle and Agile Projects

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

- BDD (Behavior Driven Development)
- Specification by example
- Automation of tests
- Exploratory testing

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

Continuous integration

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

Agile testing methods

- TDD (Test Driven Development)
- The ATDD model, executable specifications

Practice

- This course will combine 50% theory and 50% practice
- For practice participants will be offered practical workshops around needs and tests
- For the technical part, exercises on different tools will be on the program of this training

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