

ISTQB Agile Tester Overview



Agile software development life cycles

- Scrum
- Kanban
- Test - Driven Development (TDD)
- Acceptance - Test Driven Development
- Behaviour - Driven Development (BDD)
- Extreme Programming (XP)

Agile Testing Practices

- Unit testing
- Story testing
- Acceptance testing
- Regression testing
- Exploratory testing

Agile Processes

- Collaborative user story creation
- Sprints
- Backlogs

- Stand ups
- Defect reporting
- Reporting progress
- Retrospectives

Tester roles & skills

- Agile tester skills
- Role of the tester in agile teams
- Assessing quality risks

Tools for agile projects

- Test management and tracking
- Communication and information sharing
- Software builds and distribution
- Configuration management
- Test design, implementation and execution
- Cloud computing and virtualization



Agile methodologies are rapidly emerging as the most popular and effective practices for software development in our industry. The success of any agile project depends on having the right people with the right skills to ensure high-quality outcomes are delivered every time.

This internationally certified training course provides testers with the knowledge and skills they need to become efficient and effective members of an agile team. The course covers core practices in agile testing, including story testing, acceptance testing and regression testing, designing acceptance criteria, estimating testing, test automation and reporting defects.

It also covers general agile concepts that enable testers to understand how they fit within the broader agile process, including agile life cycle models (e.g. Scrum, Kanban and Behaviour-Driven Development), writing user stories, tracking velocity, sprints, backlogs, task boards, stand ups, reporting and retrospectives.

A prerequisite for the course is successful completion of the ISTQB Foundation certificate.

Duration

- 2 days

Format

- Tutorials
- Exercises
- Full course notes, exercise sheets and related handouts, including templates
- Mix of paper-based and PC-based exercises

Learning Objectives

- To understand how agile differs from traditional software development approaches
- Learn how to conduct effective, practical and light-weight testing in agile projects
- Learn about the roles and skills of a tester in an agile team
- Learn how to analyse software quality risks
- Investigate tools for supporting agile teams

Audience

- Testers who are new to agile
- Testers with waterfall experience that are looking to move into an agile team
- Individuals looking to achieve certification in agile testing