

## Agile Testing

*So you want to be Agile? Not without Agile Testing!*

### COURSE DESCRIPTION

Agile testing is one of the more complex challenges that teams face in their transition from traditional software development to Agile. Agile testing means a paradigm shift. Instead of the test team Checking Quality Out after all coding is finished, Agile teams know that they must work together to Build Quality In at the point of software creation. Quality is a whole team responsibility with code and testing that must be tightly linked in order to accomplish a task. Instead of a testing approach where testers try and break the software programmers have created, the whole Agile team works together to answer the question: "What can we do to help deliver the software successfully?"

By using a step-by-step approach, this course will document how to transition from traditional test practices to an Agile testing approach. Learn how the Agile principles can help you transition, implement and monitor testing in a high-speed Agile testing environment.

The course consists of 5 modules:

- 1** Agile Testing  
Agile methods, How do we Dene Success, Product quality, Traditional vs. Agile, Whole Team Approach, Principles
- 2** Agile Testing Practices Introduced  
Agile Testing Quadrants, The Testing Pyramid
- 3** Agile Quality Practices  
Pairing, Team Focus (the problems of context switching or multitasking), Growing New Habits, Specific Agile Practices Introduced
- 4** Agile Testing Quadrants Deep Dive  
Unit Testing & Test-Driven Development, Acceptance Testing, Functional Testing, Continuous Integration, Critiquing the Product, Testing Complexity, High-Speed Testing Techniques
- 5** Iterating to Testing Agility  
Moving Along the Path to Agile Testing Maturity, Automation, Start Today

### LEARNING OBJECTIVES

By the end of this course, attendees will be able to:

- Learn to transition to Agile testing practices across the entire release cycle.
- Understand the key differences between traditional and Agile testing practices.
- Develop a transition plan to move from traditional test practices to Agile testing.
- Construct a lean testing framework to expedite Agile delivery.
- Operate in a time constrained development cycle without losing the value of testing.
- Develop iteration 0 test plans that guide test design development.
- Use high-speed test methods to supplement and support story-based testing practices (exploratory, pairwise, pareto techniques).
- Capitalize on test development through use and reuse management.
- Integrate team testing into Agile projects.
- Build lean test artifacts for regression testware.
- Engage stakeholders in quality trade-off decision-making.
- Coach story card contributors in test case construction.
- Gain exposure to automation support opportunities.

### AUDIENCE

The Agile Testing course is designed for the entire Agile team. Ideally, the whole team, developers, testers, business analysts and others that are considered part of the development team will all participate in the class together. With this foundation, the whole team will work towards the creation of a quality product and mature in their Agile testing approach.

### DURATION

2 days