

Course Guide

Agile Testing

Training

"Thank you for providing the detailed testing training with a hands-on practical approach. I've learned a lot of new ways of testing different applications"

- **Harry Vadagama.**
Test Engineer,
Dell





Agile Testing Training

This three day course explains how testers can become valued agile team members, how they contribute to delivering a continuous stream of business value, and ways to overcome common cultural and logistical obstacles in transitioning to an agile development process. It describes the values and principles that help testers adopt an agile testing mindset, and how the whole team contributes to the success of any testing practices, including automation.

Processes such as ATDD (Acceptance Test Driven Development) will be stressed throughout the course. Through interactive exercises and group discussions, participants will discover good strategies for driving development with both executable and manual tests. The course is filled with real-life examples of the many ways agile testers add value.

Pre-Requisites

This is not an introductory testing course. Participants are expected to be familiar with the fundamentals of testing. Some understanding of Agile practices would be beneficial.

Course Objectives

- ✓ Explain the role of testing in an Agile environment
- ✓ Produce dynamic test strategies, plans, scenarios and test cases on an Agile project
- ✓ Maximise contribution in all levels of testing, from unit to acceptance in an Agile project

Course Audience

- ✓ Experienced testers who are involved (or will be involved) in testing on Agile projects
- ✓ Those responsible for testing and quality assurance on Agile projects
- ✓ Someone who has basic knowledge of Software Testing.

Duration

3 Days

Location

Skiva IT Consulting

**Suite 902, Level 9, 175 Castlereagh Street,
Sydney, NSW 2000 Australia**

Course Content

Module 1: Brief Intro into Agile & How Testing Fits in

Fundamentals of Agile

- ✓ Understanding Agile
- ✓ The Agile Manifesto
- ✓ Benefits of Agile
- ✓ Challenges when Adopting Agile
- ✓ Myths About Agile
- ✓ Agile Development Process
- ✓ The Role of Testers in Agile

Module 2: Adapting to Agile

- ✓ The whole team approach
- ✓ Overcoming common obstacles
- ✓ Agile Project Planning & Requirements
 - SCRUM
 - Overall Project Planning Process
 - Backlogs
 - User Stories
 - Release Planning
 - Test Strategy and Planning
 - Agile Test Planning Exercise

Module 3: Test Automation – How Testing “Keeps Up” with Short Agile Iterations

Test Automation

- ✓ Continuous Integration & Deployment
- ✓ Agile Test Automation Pyramid
- ✓ Test Automation Strategy & Frameworks
- ✓ Automating Unit and Component Tests
- ✓ Automating Story Tests
- ✓ Automating System Tests
- ✓ Automation to Support Exploratory Testing
- ✓ Automation and Non Functional Requirements

Module 4: Release Planning in Agile Projects

Testing During Sprints & Releases

- ✓ Sprint Planning
 - Developer vs. Tester Roles during Testing
- ✓ Team Collaboration
- ✓ Defect Tracking
- ✓ Metrics and Dashboards
- ✓ Virtual and Physical Test Environments
- ✓ Regression Testing
- ✓ Test Reporting
- ✓ Testing During Release Cycles

Book Now

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Module 5: Test Planning in Agile Projects

Agile Testing Techniques

- ✓ Extreme Programming (XP) Paradigm
- ✓ Agile Testing Quadrants
- ✓ Test Driven Development (TDD) and Unit Testing
- ✓ Acceptance Test Driven Development (ATDD)
- ✓ Testing Business Process and Scenarios
- ✓ Exploratory Testing
- ✓ Testing Non-functional Requirements

Module 6: An iteration in the Life of a Tester

- ✓ Role of Test Managers in Agile
- ✓ Iteration Pre Planning
- ✓ Iteration Planning
- ✓ During the Iteration Coding & Testing
- ✓ Retrospectives- Improving your process
- ✓ Testing on Distributed Teams
- ✓ Integration with Other Systems / Projects

Module 7: The End Game, Key Success Factors & Wrap-Up

- ✓ Successful delivery
- ✓ The end game
- ✓ Release retrospective
- ✓ Seven Factors for Agile Testing Success
- ✓ Wrap Up
- ✓ Discussion back to original problems that participants are experiencing

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- > Website Development Seminar
- > Software Testing Workshop
- > Career Development Seminar

Training Courses

Software Testing

- > Software Testing Career Package
- > Software Testing Training
- > Agile Testing Training
- > User Acceptance Testing
- > ISTQB Foundetion Testing
- > QTP Training
- > Selenium Training
- > LoadRunner Training
- > JMeter Training

Web Development

- > Microsoft .Net - Hands On
- > Microsoft .Net - Advanced
- > Fundamentals of Java

Scripting & Database

- > VB Scripting
- > SQL for Testers
- > SQL Server

Certifications

