

Practical Agile Tester Overview



DAY 1

Introduction to Testing

About Agile

- Ethos
- Approach
- Paradigm shift compared to waterfall
- Team Structure

Agile Testing

- Unit testing approach
- Acceptance approach

Exploratory Testing

- Session based
- Recording techniques

Agile Processes

- XP
- SCRUM
- TDD
- FDD

Agile methodologies are gaining popularity across a number of different industry verticals, from banking to travel and even defence. The attractiveness of lean development projects, with a shorter time-to-market, is drawing CIO's, project managers and development managers to re-think how IT products are delivered.

One of the biggest challenges is the paradigm shift to the Agile way of working; the course assists the mind shift required for the whole approach on how software applications are developed, and ensures the transition is successful.

This course aims at ensuring the same level of rigour is applied during the integrated testing, and improves the ramp-up time to full productivity for testers. It will give testers the essential skills in test design, appreciation of the use of tools and a high-level appreciation of test planning, while also addressing the need for development in soft-skills and reinforcing the need for greater collaboration and communication between project participants.

To ensure the most successful outcome for participants, with the goal of developing their competence, the course is a balanced mix of theory and facilitated workshop exercises and practicals.

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DAY 2

Planning Approach

- Risk Assessments
- Depth of testing
- Effort & Schedule

Test Case Design

- Equivalence Partitioning
- Boundary Value Analysis
- Functional Analysis
- Scenario/ Acceptance Testing

Test Tools for Agile

- Unit Test Automation
- Acceptance Test Automation
- Defect Tracking
- Planning

Reporting & Communication

- Defect Reporting
- Team Communication
- Sprint/cycle lessons learned

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

- Understand how Agile differs from traditional approaches
- Recognise the different Agile approaches
- Learn how to plan the testing in Agile projects
- Understand how to develop well constructed effective tests
- Practice how to document your test cases and defects in an Agile environment
- Gain an understanding of SW tools available to support Agile testing

Audience

- Developers new to Agile
- Testers new to the role
- Test Analysts with mainly Waterfall experience

Prerequisites

- Understanding of basic testing terminology would be beneficial

Follow on Training

- Practical Agile Test Automation
- Practical Agile Test Management