

ISTQB Certified Tester: Foundation Level Extension - Agile Tester

Duration: 2 days LIVE online

Course Overview

This course will only be run as a face to face in-class event when it is confirmed safe to do so.

Expleo's ISTQB Agile Extension will give the tester the knowledge to apply testing principles and skills as part of an agile team.

Agile testing follows the principles of agile software development as outlined in the Agile Manifesto. An Agile tester will work differently to a tester on a traditional project. Agile testers must therefore understand the values and principles that underpin Agile projects and how testers are part of the whole-team approach.

Who should attend?

This extension is aimed at anyone involved in software testing, who is interested in acquiring the basic skills required in working in an agile environment. This includes people in roles such as testers, test analysts, test engineers, test consultants, test managers, user acceptance testers and software developers.

Prerequisites & pre-reading guidelines

All participants must have successfully completed the ISTQB® Certified Tester – Foundation Level certification. Programming knowledge is an advantage but not a requirement.

How certification is earned

This syllabus has an accompanying 1-hour, 40 question e-proctored or in-class examination separate to the course that the candidate must pass to gain the associated certification. To pass the exam the candidate must achieve a result of at least 26/40.

Course Objectives

After the course, successful participants will be able to:

- Collaborate in a cross-functional Agile team being familiar with principles and practices
- Adapt existing testing experience and knowledge and best practices to agile projects
- Support the Agile team in planning test-related activities.
- Apply relevant test methods and techniques
- Help business stakeholders define understandable and testable user stories and acceptance criteria
- Collaborate and share information with other team members

Context

The ISTQB Certified Tester: Foundation Level Extension - Agile Tester introduces testers who have completed the ISTQB Certified Tester: Foundation Level to Agile principles. This allows the tester to apply their skills and knowledge as part of an Agile team.

Related courses

After completing this course attendees may consider taking one or more of the other ISTQB Advanced Level courses:

- ISTQB® Certified Tester Advanced Level Test Manager
- ISTQB® Certified Tester Advanced Level Test Analyst
- ISTQB® Certified Tester Advanced Level Technical Test Analyst

Introduce the potential delegate of other required or supporting courses. See also the categories set on the website:

- A short bullet point list of courses.
- Either required to meet a goal
- Or of potential interest.

Course Outline

Agile Software Development

- The Fundamentals of Agile Software Development
 - Agile Software Development and the Agile Manifesto
 - Whole-Team Approach
 - Early and Frequent Feedback
- Aspects of Agile Approaches
 - Agile Software Development Approaches
 - Collaborative User Story Creation
 - Retrospectives
 - Continuous Integration
 - Release and Iteration Planning

Fundamental Agile Testing Principles, Practices and Processes

- The Differences between Testing in Traditional and Agile Approaches
 - Testing and Development Activities
 - Project Work Products
 - Test Levels
 - Testing and Configuration Management
 - Organizational Options for Independent Testing
- Status of Testing in Agile Projects
 - Communicating Test Status, Progress, and Product Quality
 - Managing Regression Risk with Evolving Manual and Automated Test Cases
- Role and Skills of a Tester in an Agile Team
 - Agile Tester Skills
 - The Role of a Tester in an Agile Team-Functional

Agile Testing Methods, Techniques and Tools

- Agile Testing Methods
 - Test-Driven Development, Acceptance Test-Driven Development, Behaviour-Driven Development and The Test Pyramid
 - Testing Quadrants, Test Levels, and Testing Types
 - The Role of a Tester
- Assessing Quality Risks and Estimating Test Effort
 - Assessing Quality Risks in Agile Projects
 - Estimating Testing Effort Based on Content and Risk
- Techniques in Agile Projects
 - Acceptance Criteria, Adequate Coverage, and Other Information for Testing
 - Applying Acceptance Test-Driven Development
 - Functional and Non-Functional Black Box Test Design
 - Exploratory Testing and Agile Testing
- Tools in Agile Projects
 - Task Management and Tracking Tools
 - Communication and Information Sharing Tools
 - Software Build and Distribution Tools
 - Configuration Management Tools
 - Test Design, Implementation, and Execution Tools
 - Cloud Computing and Virtualization Tools of Changes

Contact

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