ISTQB Foundation Agile Tester Extension

Overview

This course will enhance the knowledge of students who are already certified with the ISTQB Foundation in Software Testing course to prepare them for working in an Agile software development environment. Students will be provided with the understanding of different Agile approaches, terminology, roles and skills of a tester in Agile projects. The course will also prepare students for the certification exam which takes place on the second day of the course.

Duration

2 days

Learning Method

The course contains exercises, games, practice exams and learning aids to assist students in the understanding of the concepts and methods presented.

Students are required to sit a one-hour, 40 question multiple choice examination designed to evaluate students' knowledge and understanding of the syllabus covered. Students are required to score 26 or more correct answers to pass. The exam (included in the course fee) takes place on the second afternoon of the course.

Who will benefit from this course?

This course is appropriate for Testers, Agile Testers, Test Managers, Test Lead, Test Engineers, and anyone wishing to gain the ISTQB Foundation Agile Tester Extension Certificate.

Prerequisites for this course

For students who wish to attend the course without taking the exam, there are no prerequisites.

For students who wish to complete the ISTQB Foundation Agile Tester Extension Exam, they must hold the ISTQB Foundation in Software Testing Certificate.

What can you expect to gain from this course?

At the end of the course, students will be able to understand:

- The fundamentals of Agile Software Development
- The roles and skills of a tester in an Agile project
- Different Agile approaches
- The differences between Testing in the Traditional and Agile approaches

- Agile testing techniques and methods
- Assess product quality risks within an Agile project

Course Content

Agile Software Development

Introduction to the Agile Software Development and Agile manifesto, including the 12 Agile principles.

Discusses a variety of Agile implementations and the commonly used ones (Scrum, Extreme Programming - XP, Kanban). Explains the importance of having the three disciplines represented in all discussions about product features. Talks about the benefit of the whole-team approach, early and frequent feedback.

Principles, Practices and Processes

Explains the difference between Testing in Traditional and Agile approaches.

Describes the process of evolving tests across multiple iterations and explains why test automation is important to manage regression risks in Agile projects.

Talks about various ways of communicating the test status, progress and product quality (burndown charts, Agile task board, stand-up meetings, surveys and metrics). This chapter also shows important attributes and tasks for an Agile tester.

Methods, Techniques and Tools

Highlights a number of practices or methods used within software development that are intended to help produce quality products (TDD, ATDD, and BDD) and the concept of a test pyramid.

Summarise the testing quadrants and their relationships with testing level and testing types.

Assesses and estimates Testing Effort Based on Content and Risk.

Provides insight into various task management and tracking tools according to their purpose and to activities in Agile projects.

Related Courses

ISTQB Advanced Test Analyst

ISTQB Advanced Technical Test Analyst

ISTQB Advanced Test Manager