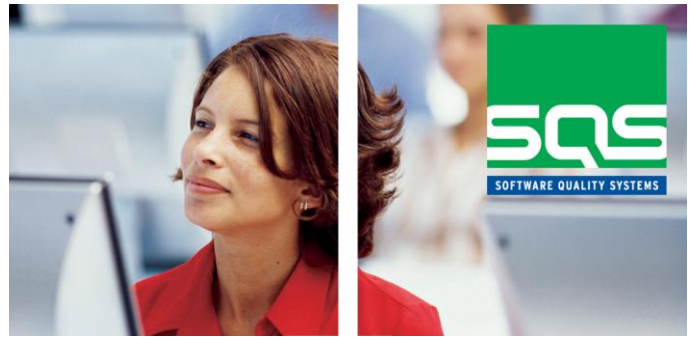


# Introduction to Acceptance Test-Driven Development

SQS-TDD01

1 day



## Course Overview

A one day course.

The practice of Test-Driven Development (TDD) is taking the development community by storm and is putting automated unit and acceptance testing firmly back on the agenda for teams who are serious about creating quality code rapidly. Using TDD, in which testing is a fundamentally important part of design and development, teams can experience dramatic improvements in code quality, flexibility, maintainability and customer confidence. However, even those teams who are already using TDD often struggle to extend the concept of TDD beyond developer unit testing.

This tutorial, for testers, business analysts and agile customers, enables students to apply TDD principles and practices to steer their projects with acceptance tests at the level of requirements and user stories. Through a series of practical exercises, we enable students to translate business requirements into user stories directly supported by automated acceptance tests, which not only drive the design of a system but also provide immediate tracking of implementation progress.

Students will get practical experience of using FIT & FitNesse, the most popular open-source testing tools for TDD. This tutorial does not require any coding experience. The course instructors will demonstrate how the tests are implemented and automated with C#.NET code. (For developers interested in learning more about coding FIT fixtures, we recommend our companion course "TDD02 – Practical Test-Driven Development".)

Topics covered include:

- TDD and Agile Software Development in context
- The TDD Cycle – from card to conversation to code to confirmation
- How to write and manage effective User Stories
- Moving from Stories to Acceptance Tests
- Writing automatable FIT acceptance tests in the FitNesse wiki editor

## Course Objectives

On completion of this course attendees will understand the process of test driven development, and will have gained hands-on experience with FIT and Fitnesse by designing and specifying automated acceptance tests for agile stories. Through interactive sessions they will have gained practical exposure to the processes of:

- Articulating user requirements as stories
- Designing acceptance tests for stories
- Specifying automated acceptance tests using the FIT framework
- Managing and editing stories and tests in the FitNesse wiki

## Who should attend?

Agile Customers, Scrum Product Owners, business analysts and testers on agile teams who wish to gain practical experience of the process of turning requirements and stories into automated acceptance tests. Developers should see our companion course "Practical Test-Driven Development".

## Prerequisites

For those who are new to Agile development practices, we recommend our 1 day course "Introduction to Agile Testing.". To get the most from the course, students should have an understanding of the principles of object-oriented software design.

## Related Certifications

None

