

# Practical Test-Driven Development

## SQS-TDD02

1 day



### Course Overview

A one-day course.

This tutorial, which builds on the Introduction to Acceptance Test-Driven Development course SQS-TDD01, is aimed at developers and technical agile testers and enable them to take TDD principles and practices beyond Unit Testing so that testers, customers and product owners can steer their projects 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, and use those tests to drive the implementation of system functionality.

This is a hands-on tutorial with coding exercises in C#.NET, using the best open-source testing tools for TDD, including FIT, FitNesse, and NUnit. (For non-technical team members interested in learning TDD, we recommend our one-day version "TDD01 – Introduction to Acceptance Test-Driven Development".)

### Course Objectives

On completion of this course attendees will be capable of applying Test-Driven Development on their projects, and will have gained hands-on experience of FIT, Fitness & NUnit by designing and implementing automated tests in C#. Through interactive sessions they will have gained practical exposure to the TDD processes of:

- Articulating user requirements as stories
- Creating acceptance tests for stories
- Automating acceptance tests with FIT fixture code in C#
- Writing effective and complementary Unit Tests with NUnit
- Implementing .NET functionality driven by automated acceptance and unit tests

### Who should attend?

Developers and technical testers on agile teams who wish to gain practical experience of the process of developing software driven by automated acceptance and unit tests.

### Prerequisites

For those who are new to Agile development practices, we recommend our 1 day course "AGT - Introduction to Agile Testing." Students should have experience of object-oriented .NET development using C#. Experienced assistants will be on hand to help students who are not 'serious coders' but still want to learn more about how TDD works in practice in a .NET environment.

### Related Certifications

None

