# Executable Specifications: End-to-End Acceptance Testing with SpecFlow

**Module 3 Setup Instructions**

In Module 3 we implement an end-to-end acceptance test for the redorder feature, using SpecFlow with self-hosted stubs for external dependencies.

## Sixeyed.SpecFlowItAll

This is the demo solution for the course. In this module we walk through the code and show the features we will be writing acceptance tests for.

### Pre-requisites

Follow the setup instructions from Module 1.

You can run the solution and the tests without SpecFlow installed, but for the editor experience you should install SpecFlow 1.9 from the Visual Studio Extension gallery: http://visualstudiogallery.msdn.microsoft.com/9915524d-7fb0-43c3-bb3c-a8a14fbd40ee

The automated test uses Firefox, so you will need a version installed, or you will have to modify the SpecFlow steps to use a different WebDriver (e.g. for Chrome or IE).

You will need to have MSMQ installed if you want to run the message handler tests. Instructions vary for different versions of Windows – see:

http://msdn.microsoft.com/en-us/library/aa967729%28v=vs.110%29.aspx

### Running the Tests

Build the solution and in Visual Studio Test Explorer you will see the ReorderProduct tests listed. Run those tests and you should see:

1. a command window flash up which resets the database with a SQL script
2. the WPF application load, the “fish-heads” row gets highlighted and the Discontinue button is clicked
3. a Firefox browser will launch and navigate to the product list page
4. a Firefox browser will launch and navigate to the product detail page
5. a command window flash up which resets the database with a SQL script

The tests should all go green in Visual Studio.