

Using Specflow to Drive Test Automation

Nathanael Mann

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"BDD is a process of development based on test-driven development (TDD). BDD blends main standards of test-driven development and ideas from domain-driven design and object-oriented analysis to provide software developers and business analysts with shared tools and a shared process to collaborate on software development."

– qatestingtools.com

- Tests behaviour without implementation
- Usually encompasses Business Driven Testing (BDT) and Test Driven Development (TDD)
- May be completed with or without BDT and TDD





Specflow translates features written in plain text into .net code that can be executed on an automated cycle.

- Drives a headless browser (PhantomJs via Selenium or similar)
- Allows for interactions
- Allows for reading of the Document Object Model

Given I am a customer

When I attempt to open a locked door

Then I am told the door is locked

And the door will not open



Code demonstration

What is Specflow

- Both testing and as a reference
- Test behaviour of functionality not journeys
- Test against 'Canned Response' through services
- Manual Testers focus on 'Human' element / Sitecore behaviour

Bad Test

Given I am a customer

When I click the add button

Then I will see a quantity of 2

Good Test

Given I am a customer

When I click the add button

Then the quantity will increase by 1

Behaviour Driven Testing (BDT)

Common tools include Cucumber, Specflow, Fitnesse, Selenium

Driven by behavioural requirements

Test Driven Development (TDD)

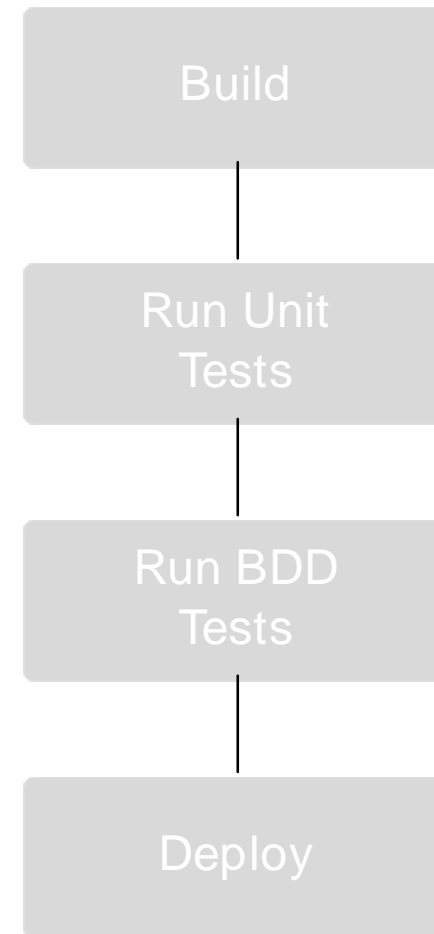
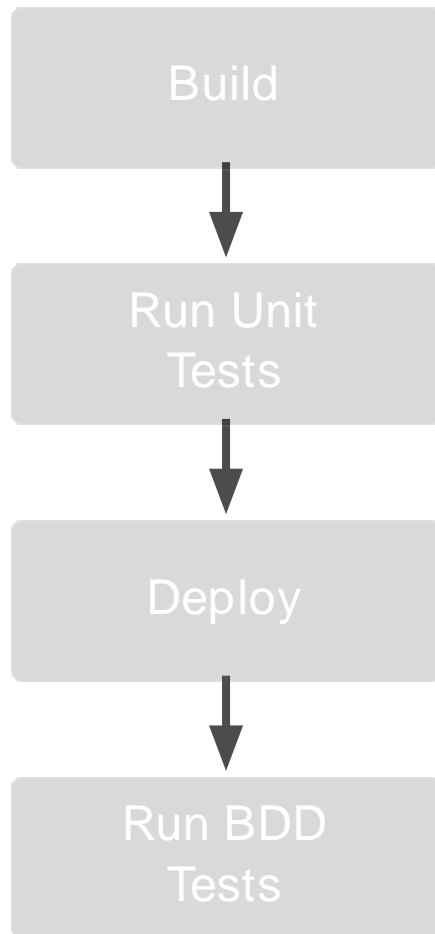
Tests the behaviour of isolated verticals within the codebase.

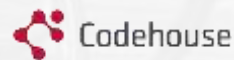
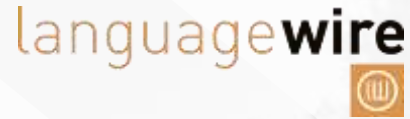
“When open() is called Door checks the dependant ILock.Locked property returning true if not locked”

Code demonstration

Clicking the link

Where in the CI / CD process?





Thank you!

nathanael.mann@cit-design.co.uk

twitter / slack: @cardinal252

[github: www.github.com/cardinal252](https://www.github.com/cardinal252)

blog: www.cardinalcore.co.uk