

Acceptance Test Driven Development

Test First Development II

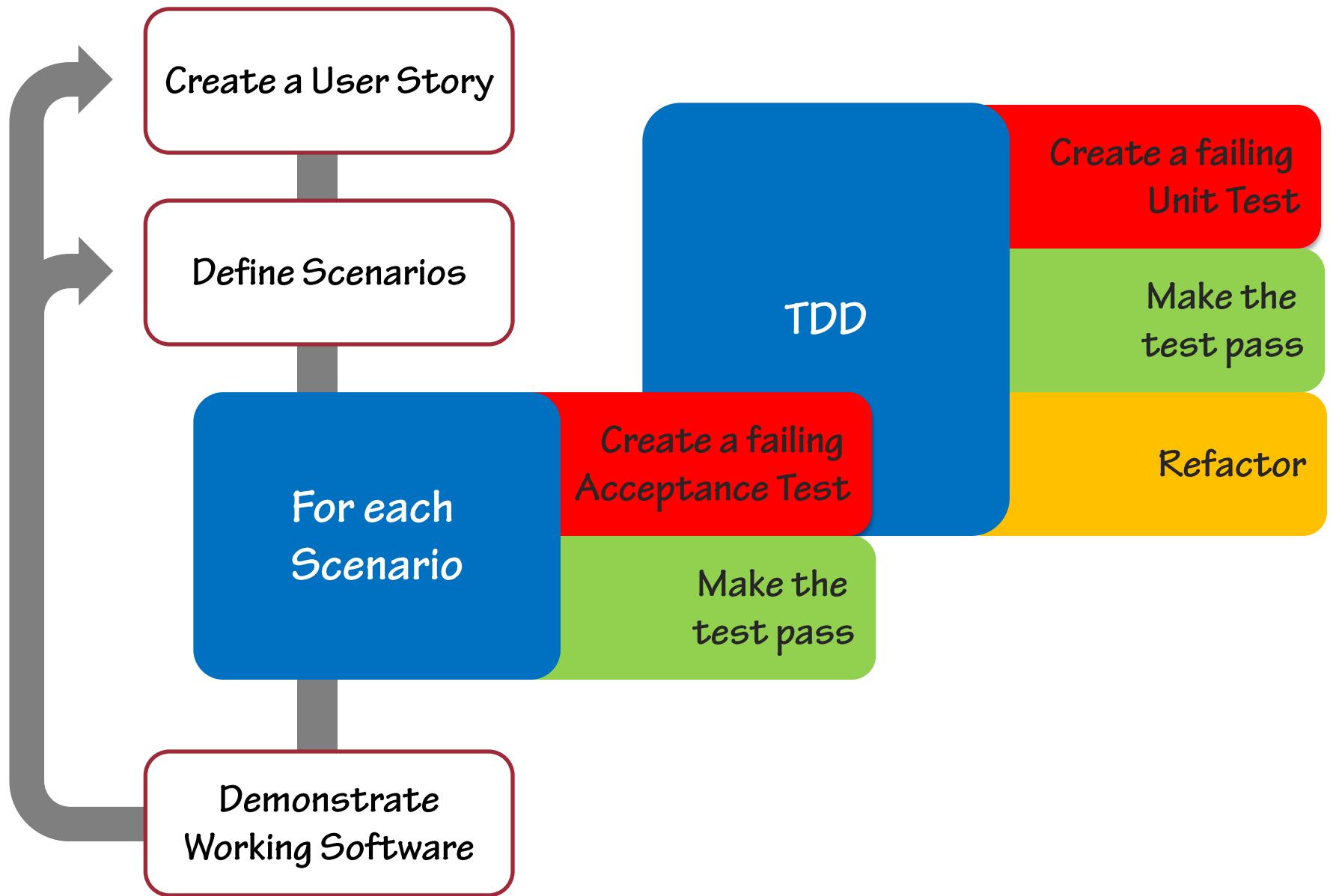


In This Module

- Automated Acceptance Testing
- Gerkin
- SpecFlow

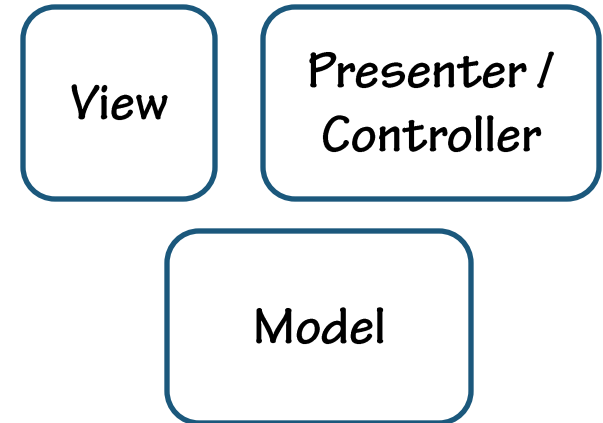
Acceptance Test Driven Development

Where Acceptance Testing Fits

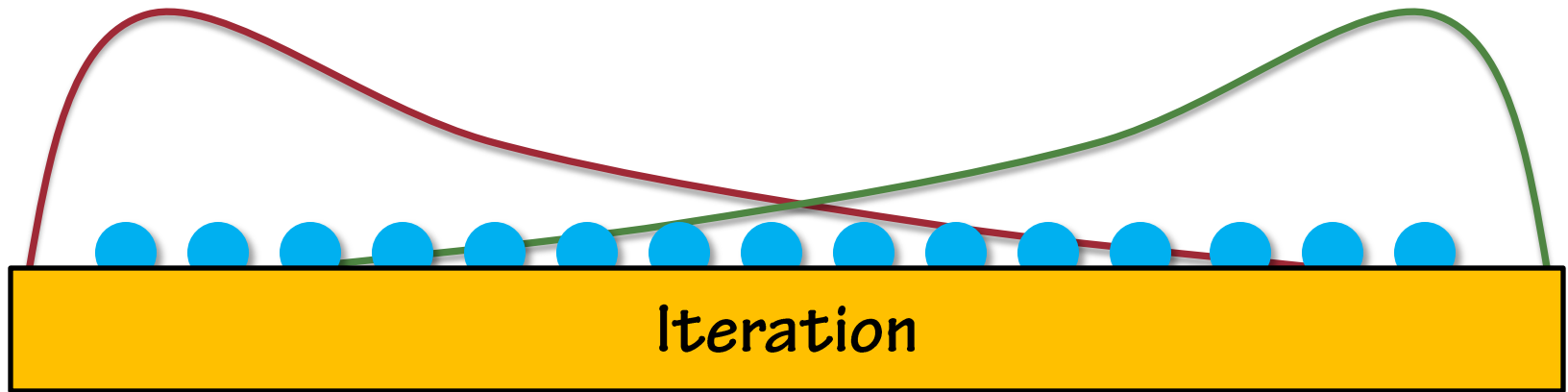


Acceptance Tests

- **Are full integration tests**
 - At the UI level
 - Or just below the skin
- **Are readable by humans and machines**
- **Evolve with requirements**
- **Ideally, stand in place of requirement documents**



Development Iteration Cycle



- Creating failing acceptance tests
- Making acceptance tests pass
- Deliver a small unit of functionality with unit tests

Typical Build Automation Model

Continuous Integration

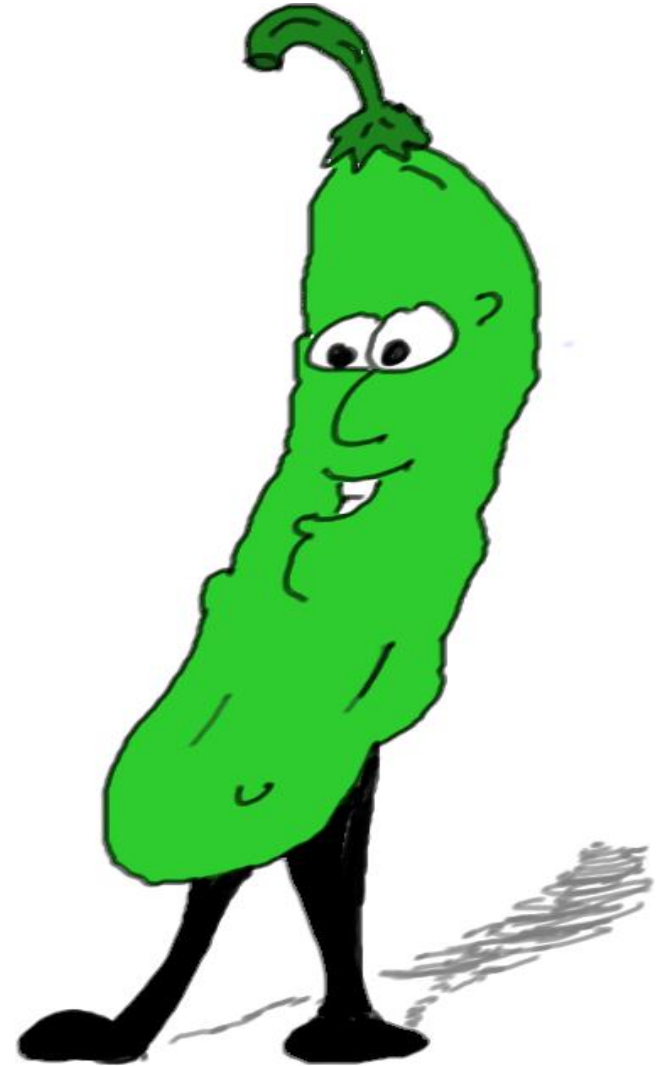
- Triggered by check-in
- Fails with unit tests
- Does not run acceptance tests
- Does not deploy to integration environment

Acceptance Test Driven Development

Gherkin

Gherkin

- Domain Specific Language
- Business Readable
- Interpreted by machines
- A model for software requirements
- 2 Purposes
 - Feature documentation
 - Automated test harness



<http://link.pluralsight.com/cx3u7w>

Feature: Some terse yet descriptive text

In order

As an

I want

language: no

Egenskap: Summering

For å unngå at firmaet går konkurs

Må regnskapsførerere bruke en regnemaskin
for å legge sammen tall

Scenario:

Given

And s

When

And s

Then

And s

Scenario: to tall

Gitt at jeg har tastet inn 5

Og at jeg har tastet inn 7

Når jeg summerer

Så skal resultatet være 12

Final Thoughts

- **Focus on the conversation**
- **Ensure test results**
 - Are always available
 - Make sense to your customer
- **Gherkin isn't a pickle**
- **SpecFlow**
- **BDD / ATDD**
 - 2 ways of saying the same thing
 - Often at different levels of the application