Lesson 2

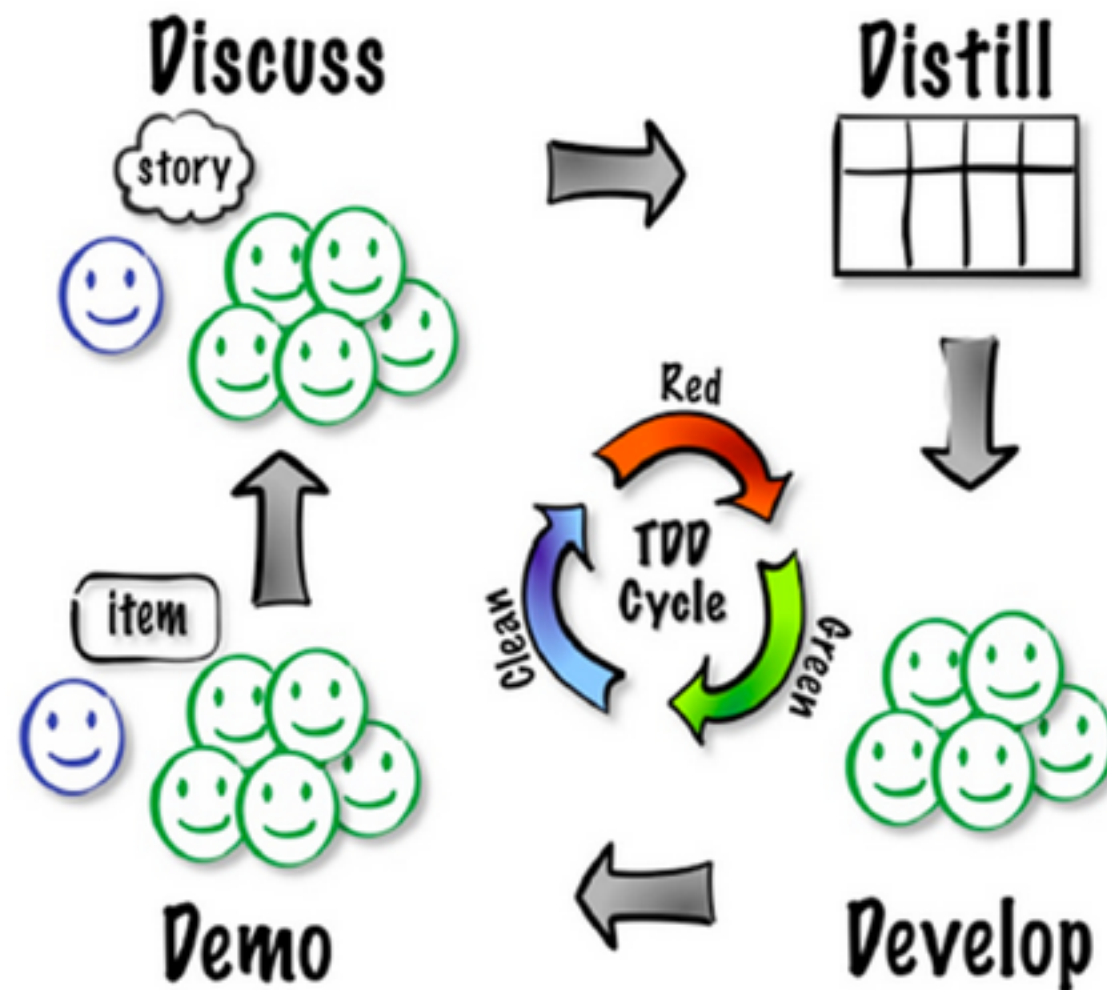## Functional Test Automation

What is Functional Testing
Why would you do this?
What about BDD?

What do you think we need to do for the functional framework?

Tool   -   Selenium-Webdriver

Framework   -   Cucumber

Browser Runner -   Capybara

What are these things?

         What are other options?

         Why ?

Back to the Gem File…….

Gem Selenium-webdriver
Gem Cucumber
Gem Capybara

And then

Bundle install

Our BDD - Basics of Cucumber

Feature: (name)
   As a (type of user)
   I want (some goal)
   So that (some reason)

Scenario: (name)
   Given (A Certain Situation)
   When (I do something)
   Then (Something happens)

Gherkin

- Gherkin is the format for Cucumber Specifications
- It is a Business Readable.
- DSL (Domain Specific Language) that lets you describe software's behaviour without detailing how it is implemented.

Scenario: Cutting vegetables
 Given a cucumber that is 30 cm long
 When I cut it in halves
 Then I have two cucumbers
 And both are 15 cm long

BREAK

LETS GET INTO IT

Create a feature folder -

Now run Cucumber - No tests!!!!

Lets create a feature to test

- What would you test?

Scenario -
  Given - Where
  When - Hard coded values
  Then - Expectations

We will do the Login!

Tips

- Tips - Inspect element to make sure test implementation is the same as the code

- Maybe use the selenium ide record and playback

Same test with Rspec & Capybara

- feature is in fact just an alias for describe ...,

- :type => :feature,

- background is an alias for before,

- scenario for it, and

- given/given

Now its time for you to do a test for carinsurance

What would you test?

Test Intent or Scenario

You're testers - What would you do?

Now lets show you how data tests can work

Why do we do this?
Why should testers & devs pair?

Summary

What have you learnt?

Further Reading

Other topics that are highly related

- Mocks
- Stubs
- Test Pyramid - Integration Tests - How that fits - What they are
- Rake
- Gherkin

Overall summary

- If you wanna practice - Try it and come early we can chat

- Retro