Outside-In Development with Cucumber

by Carl Youngblood

Background

BDD

"A second generation, outside-in, pull based, multiple stakeholder, multiple scale, high automation, agile methodology"

Dan North

Second Generation

Outside-in

Pull-based

Multiple-stakeholder

Multiple-scale

Agile

High automation

Some examples

User stories

Bad

```gherkin
Feature: Trading
  In order to trade
  As a trader
  I want to enter a trade
```

Good

```gherkin
Feature: Trading
  In order to reduce fraud
  As a financial controller
  I want the system to automatically send Chuck
    Norris to beat up suspected fraudsters.
```

In order to...

Protect revenue

Increase revenue

Manage cost

Increase brand value

Make the product remarkable

Provide more value to customers

The "Why" Stack

in order to increase revenue

in order to sell the product

in order to build the product

in order to receive the part from the manufacturer

in order to fax the order to the manufacturer

Scenarios

Bad

```
Scenario:
  Given the event queue contains "INVALID_ACTION"
  When I get a BFE
  Then I should be in state 2313
```

Good

```
Scenario:
  Given I am in a call
  When someone tries to call me
  Then they should receive a busy message
```

Another example

Additional Features

Internationalization

Tags

Profiles

Reporting

Variants

cuke4duke

cuke4nuke

SpecFlow

cukebins

Lettuce

Acknowledgements

- **Aslak Hellesøy**

- **Portions shamelessly lifted from *The Secret Ninja Cucumber Scrolls***

  http://cuke4ninja.com

Utilities

- **Online feature management**

  http://demo.cucumber.fm/

- **Another online management tool**

  http://21croissants.github.com/courgette/

- **Step management tool**

  https://github.com/asterite/cukecooker

- **Regular expression tester**

  http://rubular.com

Resources

- **https://github.com/cayblood/cucumber_presentation** (this presentation)

- **http://cukes.info** (general Cucumber info)

- **https://github.com/aslakhellesoy/cuke4duke/wiki** (Java, JVM)

- **http://www.specflow.org** (C#)

- **https://github.com/paoloambrosio/cukebins** (C, C++)

- **https://github.com/gabrielfalcao/lettuce** (Python)

- **http://rubular.com** (regular expression tester)