

Cucumber

Presentation to Victoria Ruby Users Group on using Cucumber

"Cucumber executes
plain text documentation of code
against that code."

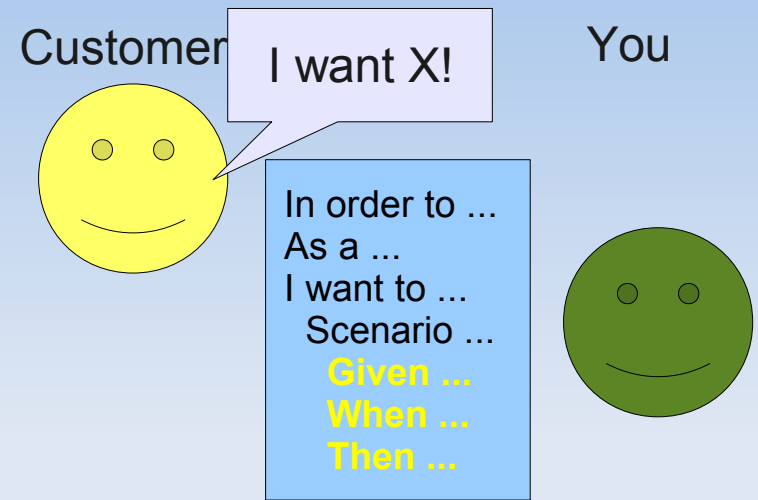
<http://github.com/aslakhellesoy/cucumber/tree/master>

Common names

- Story Driven Development
- Executable Acceptance Test Driven Development

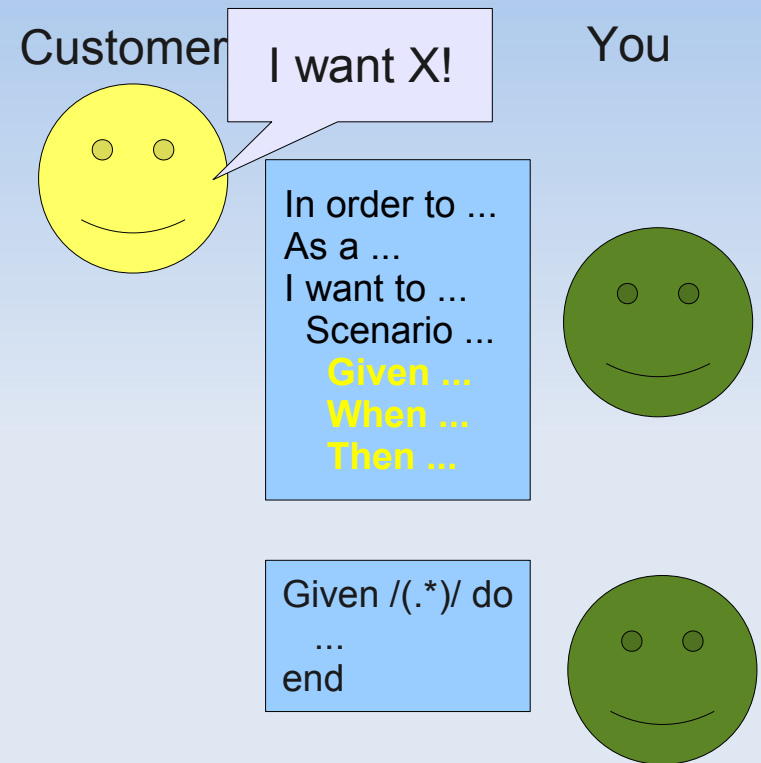
Basic Workflow

- Write a "feature"



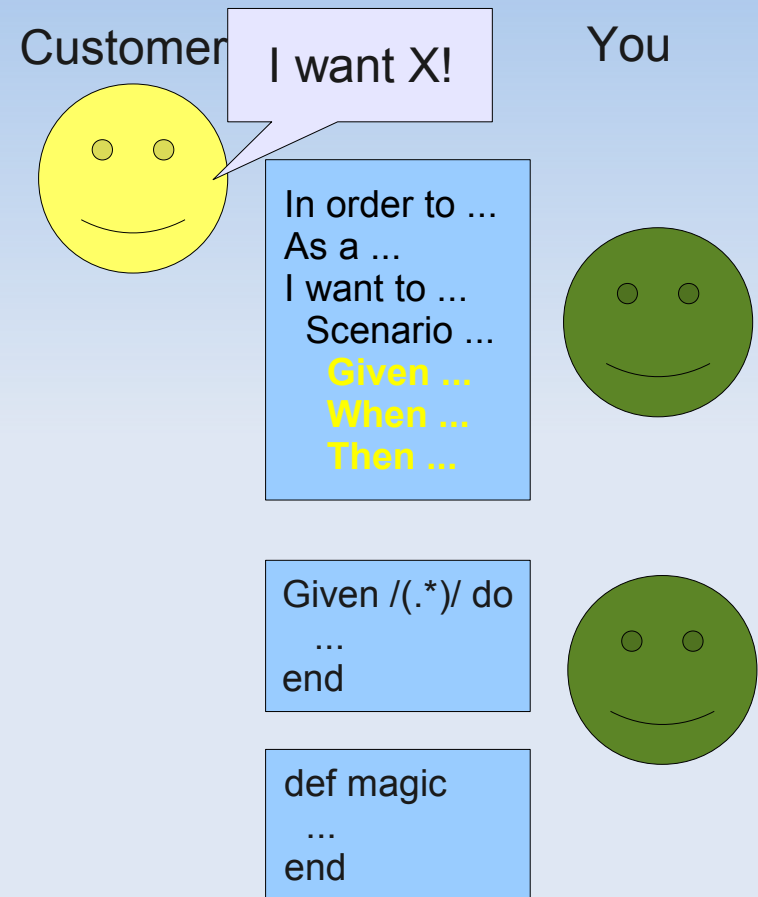
Basic Workflow

- Write a "feature"
- Write "matchers" to make it executable



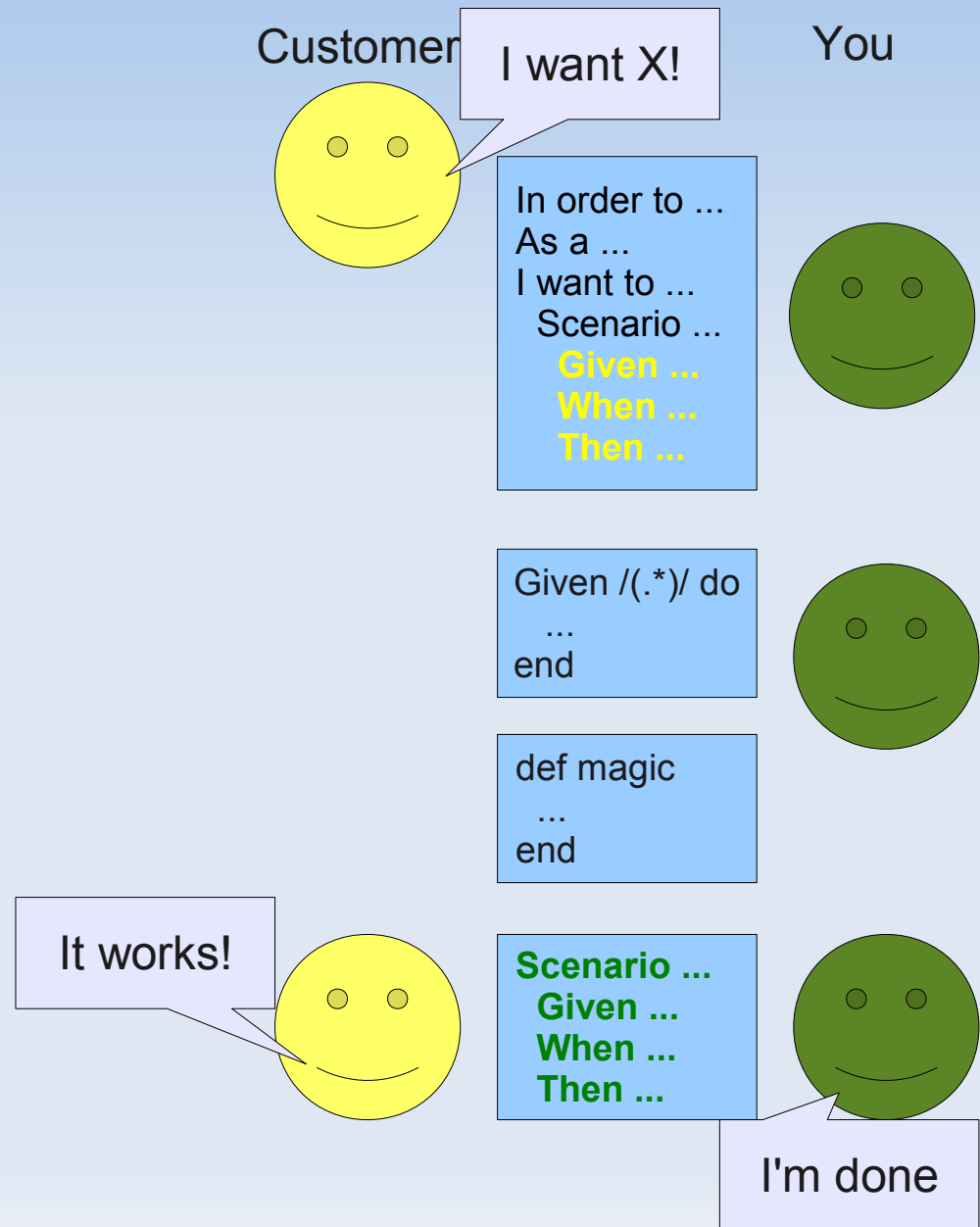
Basic Workflow

- Write a "feature"
- Write "matchers" to make it executable
- Write the code



Basic Workflow

- Write a "feature"
- Write "matchers" to make it executable
- Write the code
- Features pass



Business Value

In order to be very popular
As a normal user
I want to send invites to my friends

Scenario: Send a friend request

Given there is a user named "Fred"

And I am logged in as a normal user named "Joe"

When I go to "the add a friend page"

And I fill in "Email" with "fred@example.com"

And I press "Add"

Then I should see "A request has been sent to "Fred"

Scenario

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The Story

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Matchers

```
Given /I am logged in as a user named "(.*)"/ do |user|  
  u = UserFactory.new(:name => user)  
  visits '/login'  
  fills_in('Email', :with => u.email)  
  fills_in('Password', :with => 'password')  
  clicks_button 'Login'  
end
```

```
When /^I press "(.*)"/ do |button|  
  clicks_button(button)  
end
```

```
Then /^I should see "(.*)"/ do |text|  
  response.body.should =~ /#{Regexp.escape(text)}/m  
end
```

More Examples

In order to not be bother by unusable links
As a normal user
I should not be allow to see the admin links

Scenario: Hidden admin links

Given I am logged in as a normal user named "Joe"

When I go to "the home page"

Then I should not see an "edit" link

More Examples

User	Page	Link Name
Joe	the posts index page	add post
Joe	the reviews page	delete comment

GivenScenario

Scenario: Login

Given a user with login "Paul" and password "secret"

When I go to "the login page"

And I fill in "Login" with "Paul"

And I fill in "Password" with "secret"

And I press "Login"

Then I should see "Welcome back, Paul"

Scenario: Logout

GivenScenario: Login

When I click the "Logout" link

Then I should see "You have been logged out"

Installation

- `gem install cucumber`

For rails

- `gem install rspec rspec-rails cucumber webrat`
- `ruby script/generate cucumber`

Dependencies

- `gem install term-ansicolor treetop diff-lcs hpricot`

Resources

- <http://github.com/aslakhellesoy/cucumber/tree/master>
- http://goruco2008.confreaks.com/01_helmkamp.html
- <http://www.ruby-forum.com/forum/32>
- <http://github.com/aslakhellesoy/cucumber/wikis>
- <http://smartic.us/2008/11/24/cucubmer-and-test-unit/>
- #rspec
- paul@thoughtless.ca
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