DEFINITION **-**0**†**-

How do we know we're Done? it works!

it works!

it's quality!

it works!

it's tested!

it's quality!

it works!

it's tested!

it's quality!

it's in production!

it works!

it's tested!

it's quality!

it's in production!

it's the deadline!

it works!

it's tested!

it's quality!

it's in production!

it's the deadline!

its funding ran out!

CUCUMBER!

GIVEN I'm writing software WHEN my feature runs green THEN it's done



THEY CAN'T HIDE BEHIND AMBIGUITY

YOU CAN'T HIDE BEHIND AMBIGUITY

for example



Background:

Background: Given the calculator is open

Background: Given the calculator is open

Scenario: adding two numbers

Background: Given the calculator is open

Scenario: adding two numbers
Given I want to add two numbers

Background: Given the calculator is open

Scenario: adding two numbers
Given I want to add two numbers
When I perform the calculation

Background: Given the calculator is open

Scenario: adding two numbers
Given I want to add two numbers
When I perform the calculation
Then I should see my two numbers added

@wip it!

Background: Given the calculator is open

Scenario: adding two numbers
Given I want to add two numbers
When I perform the calculation
Then I should see my two numbers added

Background:
Given the calculator is open

Scenario: adding two numbers
Given I want to add two numbers
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Then I should see my two numbers added

Start the server:

\$ bundle exec ruby server.rb

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Run the work-in-progress cukes:

\$ bundle exec cucumber --tags @wip --wip

```
@wip
```

Feature: using a calculator Scenario: adding two numbers Given I want to add two numbers When I perform the calculation Then I should see my two numbers added # features/calculator.feature:7 You can implement step definitions for undefined steps with these snippets: Given /^I want to add two numbers\$/ do pending # express the regexp above with the code you wish you had end When /^I perform the calculation\$/ do pending # express the regexp above with the code you wish you had end Then /^I should see my two numbers added\$/ do pending # express the regexp above with the code you wish you had end 1 scenario (1 undefined) 3 steps (3 undefined) 0m0.004s The --wip switch was used, so the failures were expected. All is good.

Wednesday, January 11, 12

automate your steps in Ruby



Given /^the calculator is open\$/ do
 visit '/'
end

```
Given /^the calculator is open$/ do
  visit '/'
end

Given /^I want to add two numbers$/ do
  fill_in "leftOperand", :with => 5
  select '+', :from => 'operator'
  fill_in "rightOperand", :with => 2
end
```

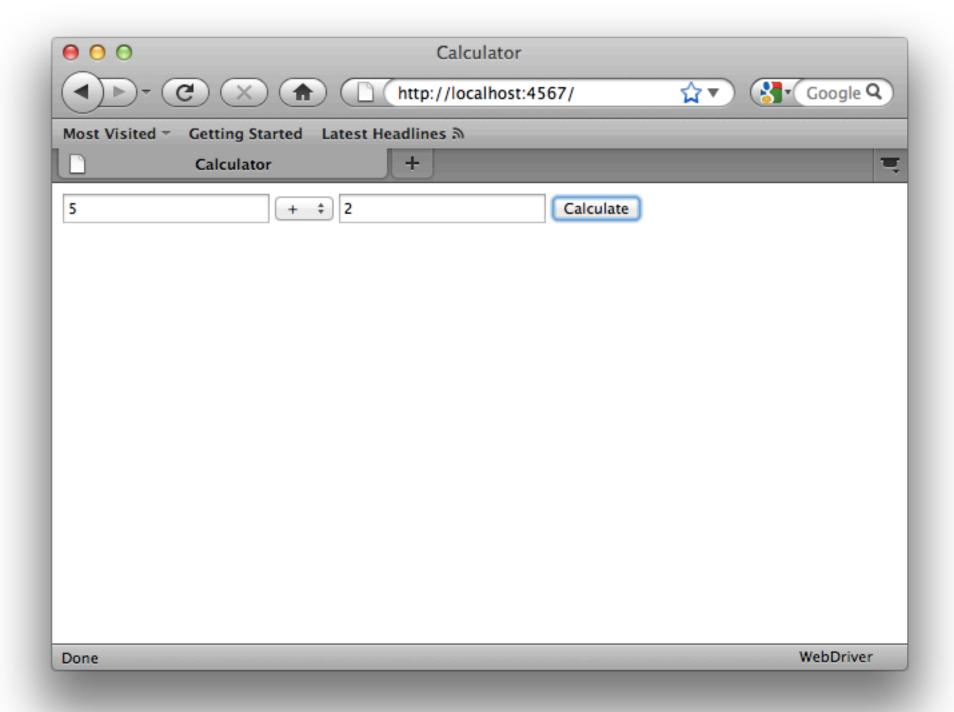
```
Given /^the calculator is open$/ do
  visit '/'
end

Given /^I want to add two numbers$/ do
```

```
Given /^I want to add two numbers$/ do
  fill_in "leftOperand", :with => 5
  select '+', :from => 'operator'
  fill_in "rightOperand", :with => 2
end
```

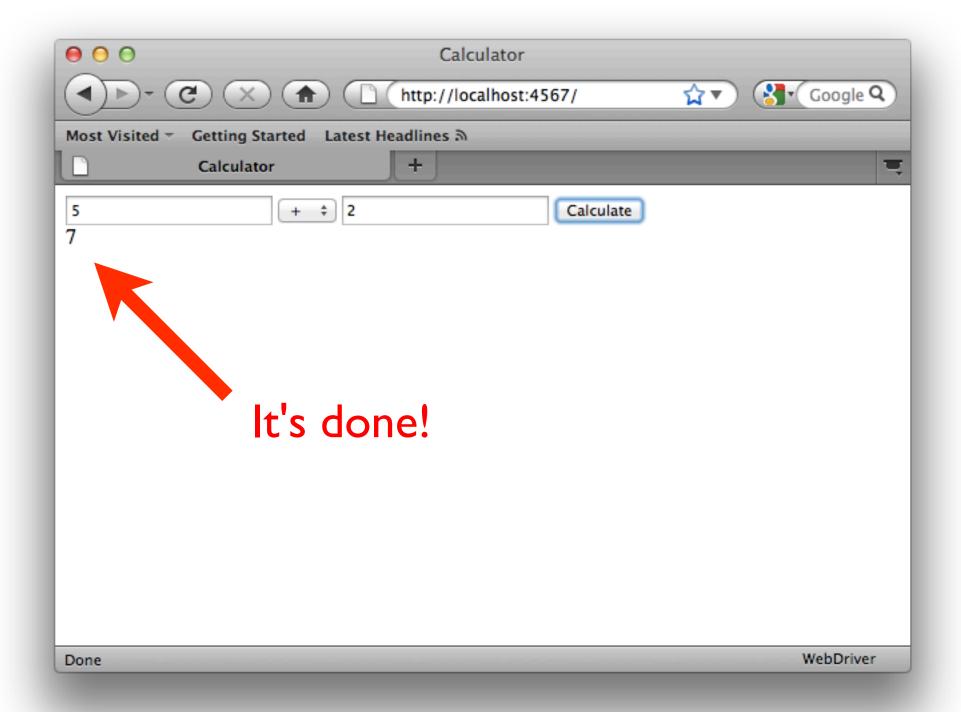
When /^I perform the calculation\$/ do
 click_button 'Calculate'
end

```
Given /^the calculator is open$/ do
  visit '/'
end
Given /^I want to add two numbers$/ do
 fill_in "leftOperand", :with => 5
  select '+', :from => 'operator'
  fill_in "rightOperand", :with => 2
end
When /^I perform the calculation$/ do
  click_button 'Calculate'
end
Then /^I should see my two numbers added$/ do
  find('.result').should have_content 7
end
```



```
@wip
Feature: using a calculator
Background:
  Given the calculator is open
Scenario: adding two numbers
  Given I want to add two numbers
  When I perform the calculation
 Then I should see my two numbers added
    expected there to be content "7" in "" (RSpec::Expectations::ExpectationNotMetErr
Failing Scenarios:
  cucumber features/calculator.feature:7
1 scenario (1 failed)
4 steps (1 failed, 3 passed)
0m6.380s
The --wip switch was used, so the failures were expected. All is good.
```

hack hack hack

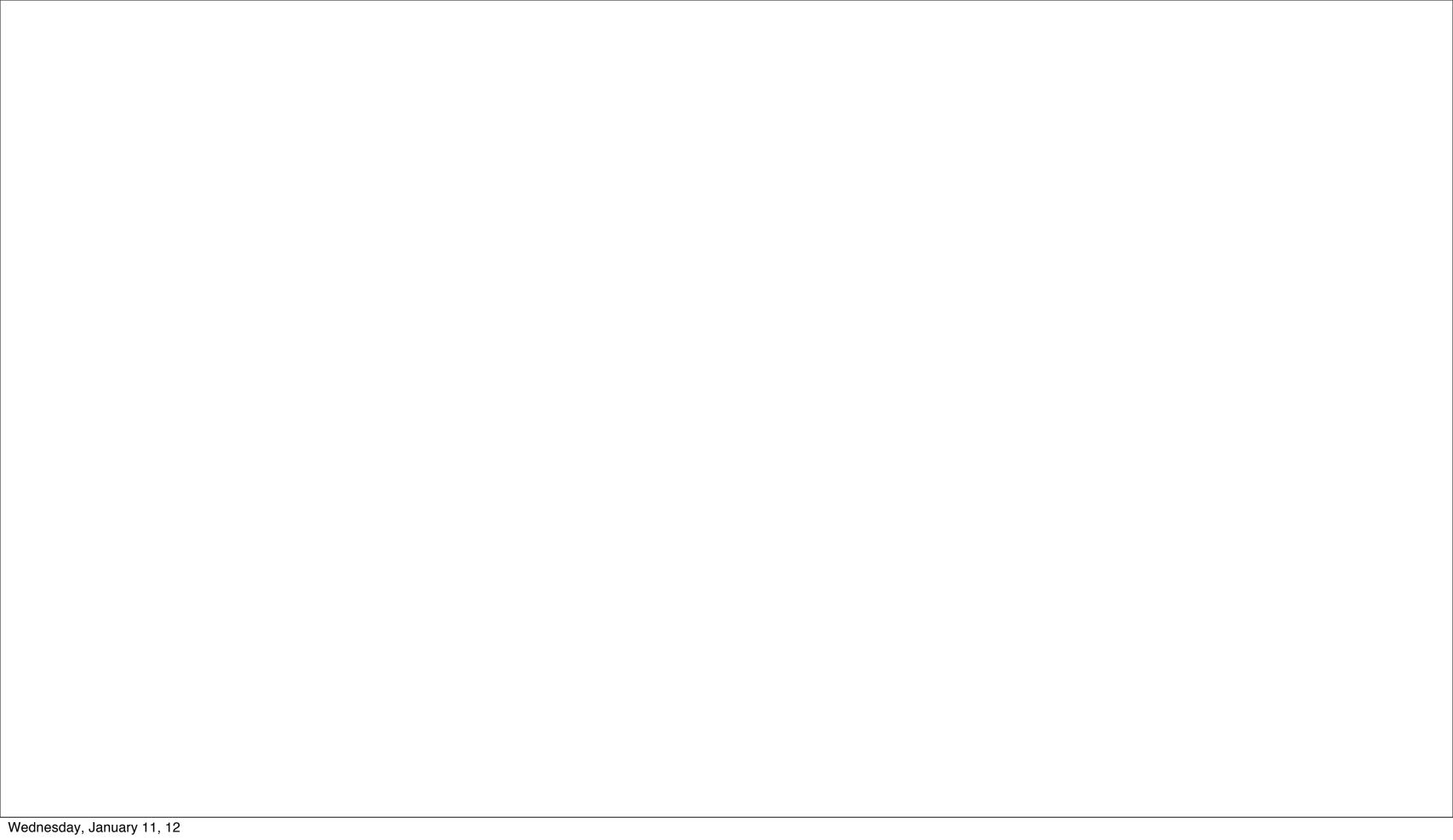


```
@wip
Feature: using a calculator
Background:
  Given the calculator is open
Scenario: adding two numbers
  Given I want to add two numbers
  When I perform the calculation
  Then I should see my two numbers added
1 scenario (1 passed)
4 steps (4 passed)
0m5.199s
The --wip switch was used, so I didn't expect anything to pass.
These scenarios passed:
(::) passed scenarios (::)
features/calculator.feature:7:in `Scenario: adding two numbers'
```

un-@wip it!

Background: Given the calculator is open

Scenario: adding two numbers
Given I want to add two numbers
When I perform the calculation
Then I should see my two numbers added



Run the "done" regression cukes:

\$ bundle exec cucumber --tags ~@wip

Feature: using a calculator Background: Given the calculator is open Scenario: adding two numbers Given I want to add two numbers When I perform the calculation Then I should see my two numbers added 1 scenario (1 passed) 4 steps (4 passed) 0m4.228s

Exercises

- 1. Add a failing scenario for subtraction, then implement it!
- 2. Next, try adding division!
- 3. Try adding a big table bunch of examples and edge cases using a Cucumber Scenario Outline (details here: http://is.gd/cukeoutline)