Introducción a ruby on rails

Blackbox Texting

Overview

- Concepto blackbox testing

Blackbox testing

- No nos interesa en qué está hecha la aplicación sino que tenga los resultados que esperamos.
- Combinando Rspec y Capybara se pueden hacer test muy intuitivos y expresivos.

Ejemplo

```ruby
describe "Recipes App" do
  it "displays chocolate by default" do
    visit "/"
    expect(page).to have_content 'Chocolate Tea'
  end

  it "displays beef when keyword is beef" do
    visit "?keyword=beef"
    expect(page).to have_content 'Delicious Scalloped Potato'
  end
end
```

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jnicklas / **capybara**

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Acceptance test framework for web applications http://jnicklas.github.com/capybara/

⊙ **2,457** commits   ⑃ **61** branches   ◯ **60** releases   ⚌ **213** contributors   ⚖ MIT

Branch: **master** ▾   New pull request

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twalpole committed on **GitHub** Merge pull request #1784 from amatsuda/ ⚠ ...

Latest commit 374d113 5 days ago

📁 .github	Add github issue template	2 months ago
📁 .yard	Add custom yard extensions to the Gem	2 months ago
📁 features	remove unneeded require	20 days ago
📁 gemfiles	Update testing and travis matrix for selenium-webdriver 3.0 release	21 days ago
📁 lib	⚠ method redefined; discarding old reuse_server=	5 days ago
📁 spec	optional clearing of local/session storage for selenium driver	11 days ago
📄 .gitignore	Add .ruby-version and .ruby-gemset to .gitignore	3 years ago
📄 .rspec	Added fuubar	6 years ago

https://github.com/jnicklas/capybara

rspec --init

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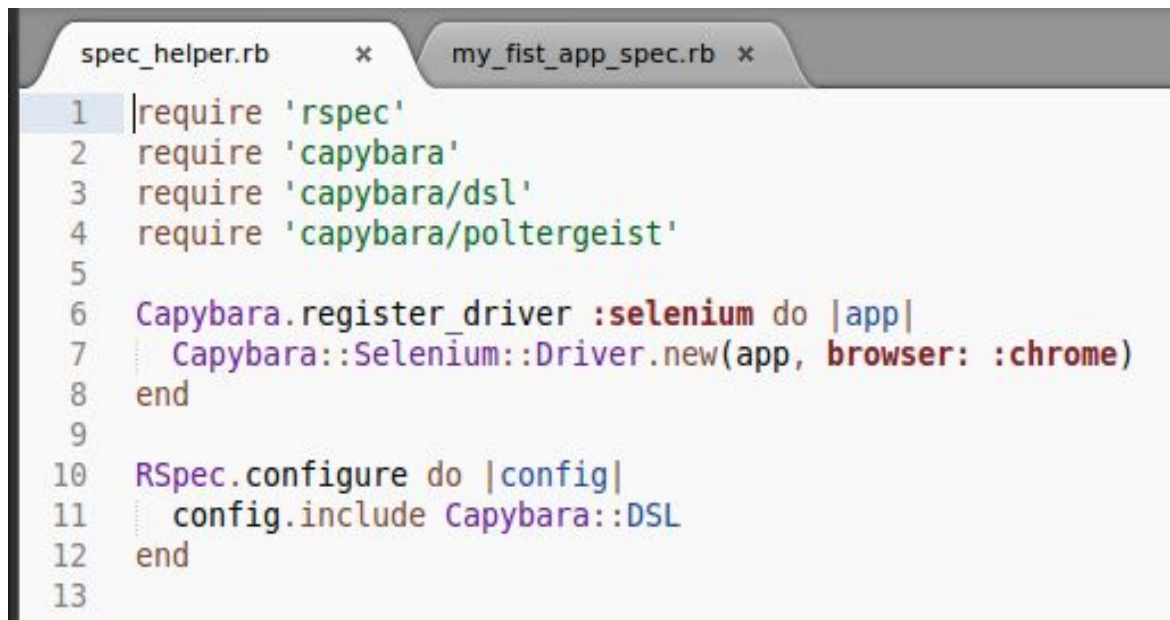   - my_fist_app_spec.rb
        - spec_helper.rb
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  - LICENSE
  - README.md

```
1   --color
2   --require spec_helper
3   |
```

spec_helper

```
spec_helper.rb    ×      my_fist_app_spec.rb  ×
1   |require 'rspec'
2    require 'capybara'
3    require 'capybara/dsl'
4    require 'capybara/poltergeist'
5
6   Capybara.register_driver :selenium do |app|
7     Capybara::Selenium::Driver.new(app, browser: :chrome)
8   end
9
10  RSpec.configure do |config|
11    config.include Capybara::DSL
12  end
13
```

Se incluye todo lo que necesitamos..

El RSpec debería incluir Capybara::DSL, un lenguaje que provee Capybara.

Tests

```ruby
   spec_helper.rb  ×        my_fist_app_spec.rb  ×

1   Capybara.default_driver = :selenium
2   # Capybara.default_driver = :poltergeist
3
4   Capybara.app_host = "http://localhost:3000"
5
6   describe "Course App" do
7
8     describe "visit root" do
9       before { visit '/' }
10
11      it "displays 'Afrikaans' (default)" do
12        expect(page).to have_content 'Afrikaans'
13      end
14
15      it "displays table element that has a row with 2 columns" do
16        expect(page).to have_selector(:xpath, "//table//tr[count(td)=2]")
17      end
18    end
```

Pasos previos

```
gem install rspec
gem install selenium-webdriver
gem install capybara
gem install poltergeist
gem install chromedriver-helper
```

Ejecución

```
→  sources git:(master) ✗ rspec --format documentation

Course App
  visit root
    displays 'Afrikaans' (default)
    displays table element that has a row with 2 columns
  visit recipes
    displays 'Bacon Wrapped Jalapeno Popper Stuffed Chicken when text=chicken
    displays table element that has a row with 3 columns
    column 1 should have the thumbnail inside img tag
  visit recipes with search
    displays 'Cookie Monster cupcakes when text=chocolate

Finished in 18.22 seconds (files took 0.26456 seconds to load)
6 examples, 0 failures
```

Poltergeist

```
spec_helper.rb  ×    my_fist_app_spec.rb ●
1    #Capybara.default_driver = :selenium
2  | Capybara.default_driver = :poltergeist
3
4    Capybara.app_host = "http://localhost:3000"
5
6    describe "Course App" do
7
8      describe "visit root" do
9        before { visit '/' }
10
11       it "displays 'Afrikaans' (default)" do
12         expect(page).to have_content 'Afrikaans'
13       end
14
```

```
→  sources git:(master) ✗ rspec --format documentation

Course App
  visit root
You're running an old version of PhantomJS, update to >= 2.1.1 for a better experience.
    displays 'Afrikaans' (default)
    displays table element that has a row with 2 columns
  visit recipes
    displays 'Bacon Wrapped Jalapeno Popper Stuffed Chicken when text=chicken
    displays table element that has a row with 3 columns
    column 1 should have the thumbnail inside img tag
  visit recipes with search
    displays 'Cookie Monster cupcakes when text=chocolate

Finished in 15.75 seconds (files took 0.32054 seconds to load)
6 examples, 0 failures
```