

Cucumber and WATIR

Testing Web Applications

Integrating with Cucumber

Feature: Platform Registration

Scenario: Basic Registration

Given I visit the platform registration system

When I submit my information

Then I get a big thanks

Before **do** |scenario|

@browser = Watir::Browser.new 'safari'

end

After **do** |scenario|

@browser.close

end

Given(/**^**I visit the platform registration system\$/) **do**

@browser.goto 'bit.ly/watir-webdriver-demo'

end

When(/**^**I submit my information\$/) **do**

@browser.text_field(:id => 'entry_1000000').set 'your name'

@browser.select_list(:id => 'entry_1000001').select 'Ruby'

@browser.button(:name => 'submit').click

sleep 2

end

Then(/**^**I get a big thanks\$/) **do**

expect(@browser.text).to include 'Thank you'

end

Problems with WATIR

- Interacts with browser, we usually want to interact with a page
- Steps have knowledge of the implementation of a page
- May need to change many steps if an element id changes

Page Objects

- Page implementation abstracted from its presentation
- 1 class per page
- Only change the page class if the page implementation changes, not every test

Page Objects

```
class Survey
  include PageObject

  page_url "bit.ly/watir-webdriver-demo"

  text_field(:name, :id => 'entry_1000000')
  select(:language, :id => 'entry_1000001')
  button(:submit, :name => 'submit')
end

class SurveyResult
  include PageObject

  div(:response, :xpath => '//div[@class="ss-custom-resp"]')
end
```

Page Objects

```
include PageObject::PageFactory
```

```
Given(/^I visit the platform registration system$/) do  
  visit_page Survey  
end
```

```
When(/^I submit my information$/) do  
  on_page Survey do |page|  
    page.name = 'your name'  
    page.language = 'Ruby'  
    page.submit  
  end  
  sleep 2  
end
```

```
Then(/^I get a big thanks$/) do  
  on_page SurveyResult do |page|  
    expect(page.response).to include 'Thank you'  
  end  
end
```