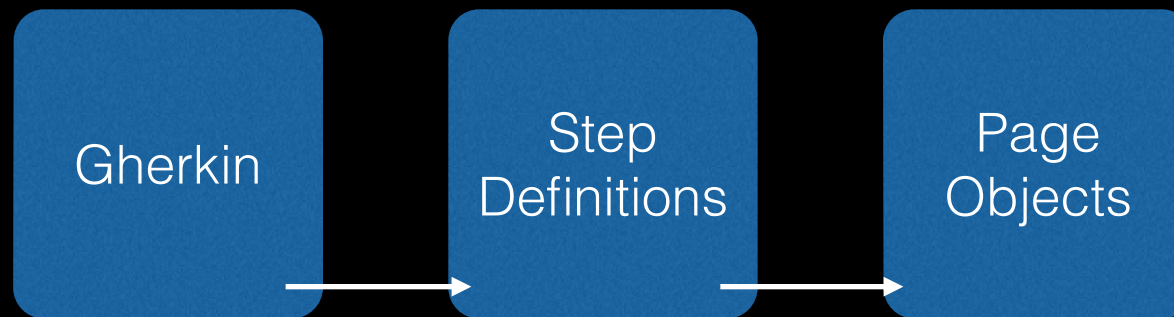


Literate Functional Exploration with Cucumber and WATIR

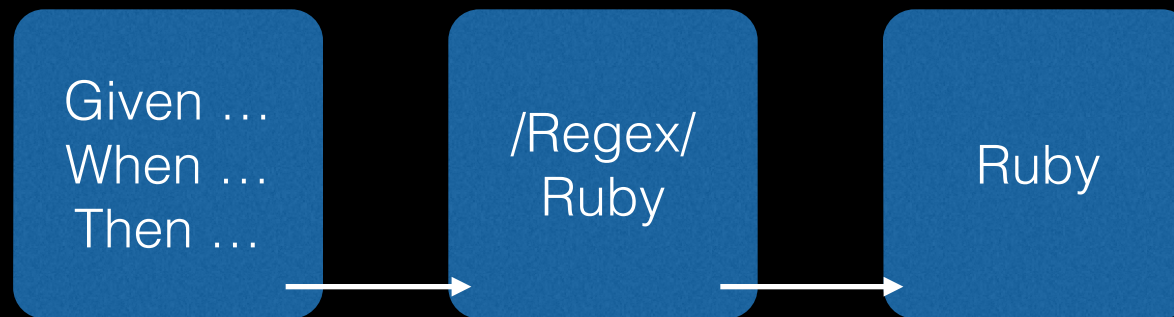
Chad Brewbaker
@cbrewbs

<https://github.com/chadbrewbaker>

Cucumber model



Cucumber model



Gherkin

Create your own DSL

```
Scenario: Can I haz Cheezburger  
  Given I open Google  
  When I search for cats  
  Then I take a screenshot
```

Step Definitions

Match your DSL steps to code

```
When /^I open Google$/ do
  GooglePage.open
end
```

Page Object

Code to interface with the page

```
module GooglePage

  def self.open
    $browser.url 'http://www.google.com'
  end

end
```

Tips

:hash => defaults

```
def self.add_book( opts ={} )
```

```
  h ={ 'title'=>'Moby Dick', 'author'=>'Melville'}
```

```
  h.merge(opts)
```

```
  $browser.text_area(:id, 'title').value = h['title']
```

```
  $browser.text_area(:id, 'author').value = h['author']
```

```
end
```


Rubular

<http://www.rubular.com>

Mr. Data Converter

<http://shancarter.github.io/mr-data-converter/>

Nokogiri

```
require 'nokogiri'
```

```
def css_select( string)  
  page_html = Nokogiri::HTML.parse($browser.html)  
  return page_html.css(search_string)  
end
```

javascript alerts

```
def js_alert  
  $browser.execute_script(  
    %{alert("Paused. Click to resume the test.");}  
  )  
end
```

Flavors of WATIR

WATIR-classic: IE integration

WATIR-webdriver: Selenium backend

phantomjs

Headless webkit browser

phantomjs setup

- `gem install watir-webdriver`
- `gem install selenium-webdriver`
- `gem install cucumber`
- `npm install -g phantomjs`

hello_phantom.rb

```
require 'watir-webdriver'  
b = Watir::Browser.new :phantomjs  
b.goto "www.google.com"  
puts b.url  
puts b.title
```


Kata

