

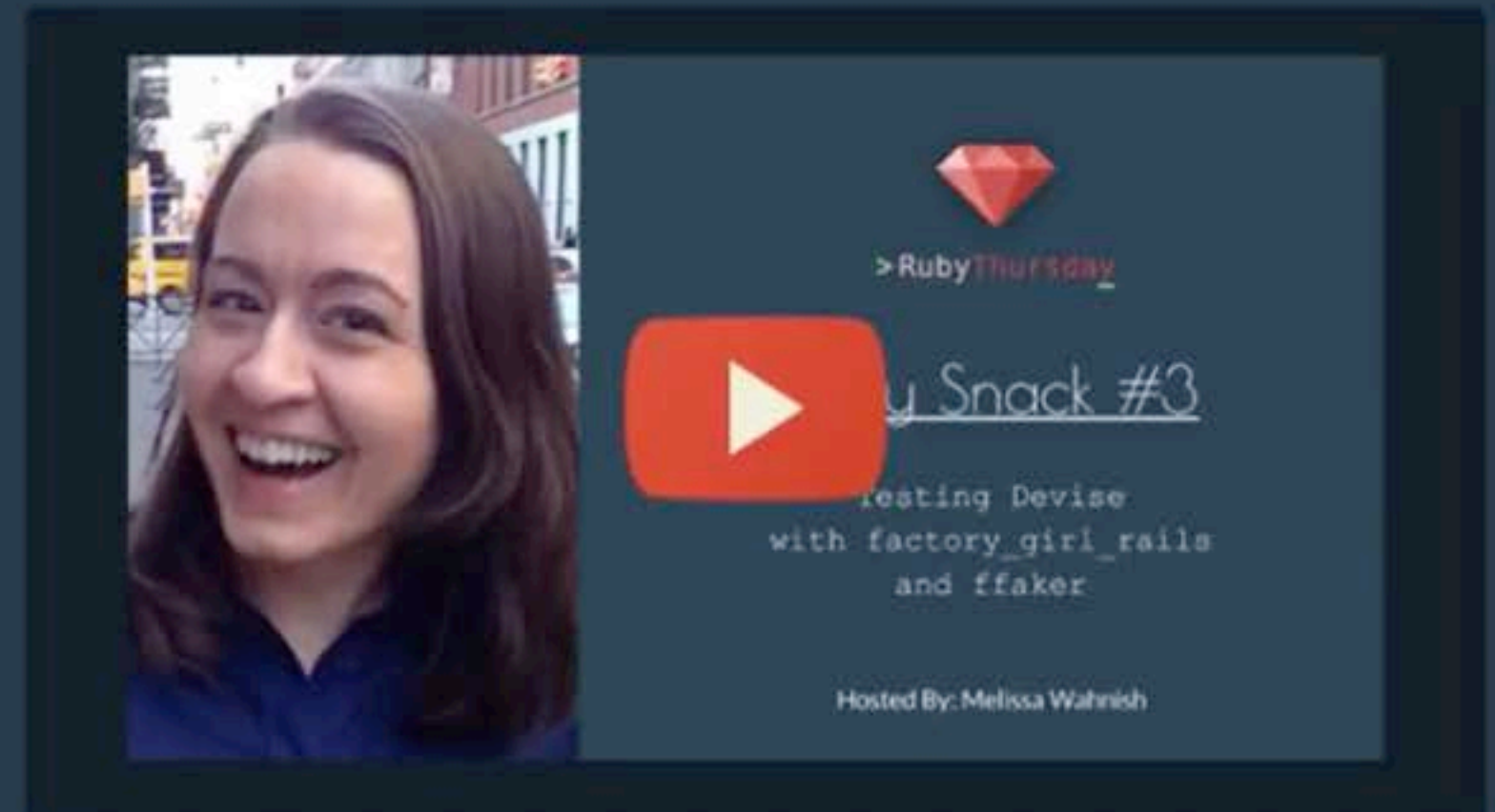
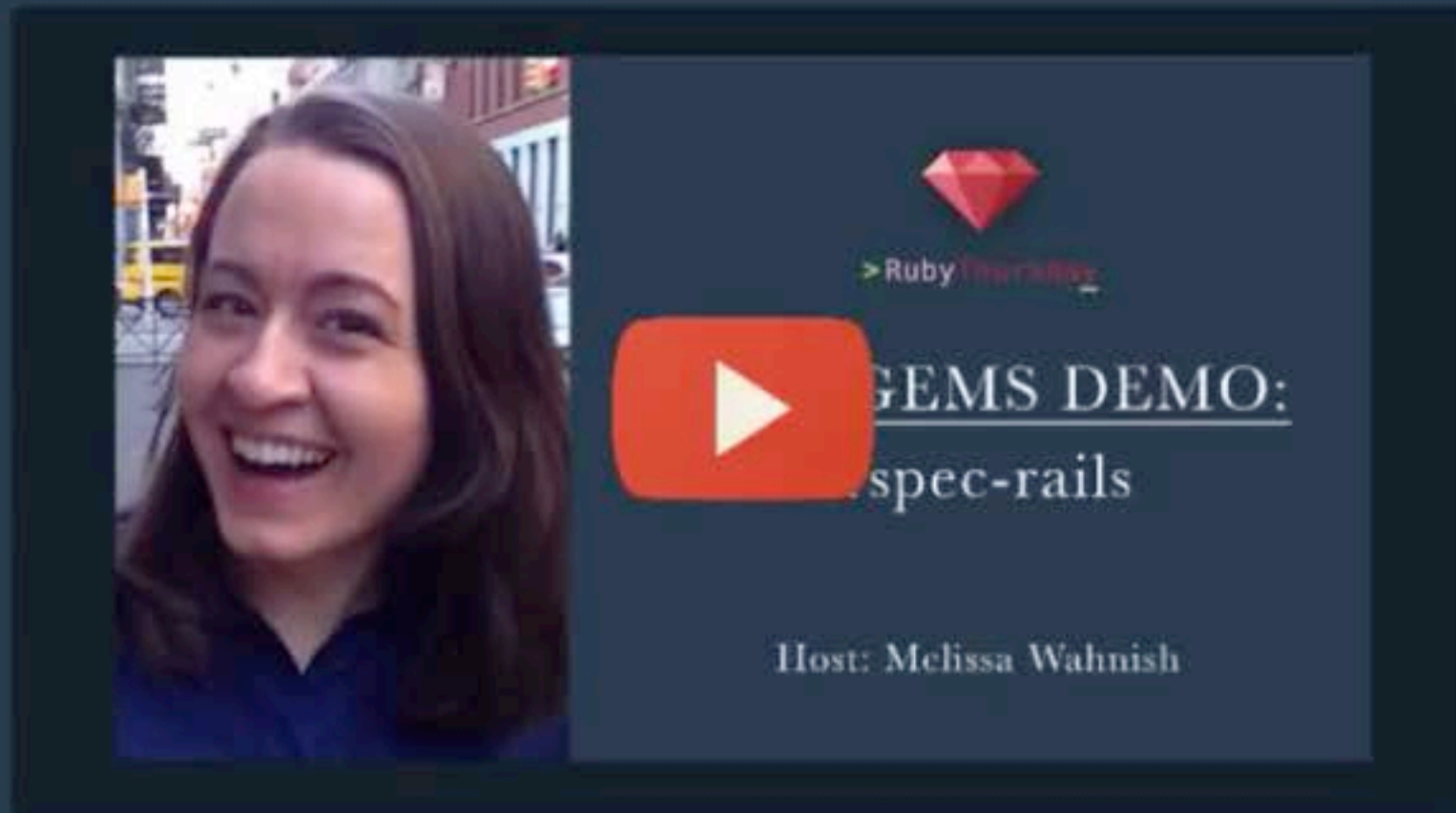
> Ruby\_

# Want To Code Along?



1. Rails app created
2. RSpec installed and set up
3. User (aka Hacker) model created
4. Devise installed and set up

Check out these videos...



# Gemfile Recap



```
group :development, :test do
  gem 'better_errors'
  gem 'capybara-webkit'
  gem 'factory_girl_rails'
  gem 'ffaker'
  gem 'database_cleaner'
  gem 'letter_opener'
  gem 'rspec-rails'
  gem 'pry'
  gem 'pry-nav'
  gem 'pry-rails', '~> 0.3.2'
  1 gem 'simple_bdd'
  gem 'shoulda-matchers'
  gem 'spring'
end
```





“Simple BDD offers basic Behaviour Driven Development language syntax. It enables tests to take steps to become more declarative than imperative by hiding the implementation and revealing test intent. It can be used in any test framework as it's just a way to keep the collaborative business language within a test by calling methods which directly relate to the step in the test.”

It's about communicating quickly the purpose of the test.



lib	Bump version	8 months ago
spec	Fix spec wording	8 months ago
.gitignore	Init	2 years ago
.rspec	Dependencies and rspec	2 years ago
Gemfile	Init	2 years ago
LICENSE.txt	Init	2 years ago
README.md	Add simple_bdd/rspec shorthand	a year ago
Rakefile	Set the default rake task to run the rspec build.	2 years ago
simple_bdd.gemspec	Rename from Jerkin to SimpleBdd	2 years ago

## README.md

# Simple BDD

Simple BDD offers basic Behaviour Driven Development language syntax. It enables tests to take steps to become more declarative than imperative by hiding the implementation and revealing test intent. It can be used in any test framework as it's just a way to keep the collaborative business language within a test by calling methods which directly relate to the step in the test.

## Installation

Add this line to your application's Gemfile:

[Pulse](#)[Graphs](#)**SSH** clone URL`git@github.com:rc`

You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

[Download ZIP](#)

# Setup:



```
/spec/rails_helper.rb  
require 'simple_bdd'  
  
config.include SimpleBdd, type: :feature
```



# Admin Spec: `/spec/features/admin_spec.rb`



```
require 'rails_helper'

feature "Admin" do

  #communicate purpose upfront
  scenario "admin sees hackers after login" do
    Given "admin is signed in"
    When "admin views all hackers"
    Then "admin sees the first hacker"
  end

  #set up objects
  let!(:admin) { FactoryGirl.create(:admin) }
  let!(:hacker) { FactoryGirl.create(:hacker) }
```

# Admin Spec(cont.): /spec/features/admin\_spec.rb



```
#define methods from scenario
def admin_is_signed_in
  visit root_path
  click_link "Admin Sign in"
  fill_in "admin[email]", with: admin.email
  fill_in "admin[password]", with: admin.password
  click_button "Log in"
end

def admin_views_all_hackers
  click_link "View Hacker List"
  expect(page).to have_content("Hacker List")
end

def admin_sees_the_first_hacker
  expect(page).to have_content(hacker.email)
end

end
```



## FOLDERS

## ▼ ruby\_thursday

- ▶ app
- ▶ bin
- ▶ config
- ▶ db
- ▶ lib
- ▶ log
- ▶ public
- ▼ spec
  - ▶ controllers
  - ▶ factories
  - ▼ features

admin\_spec.rb

home\_spec.rb

signin\_spec.rb

▶ helpers

▶ models

▶ views

rails\_helper.rb

spec\_helper.rb

▶ tmp

▶ vendor

.gitignore

.rspec

Gemfile

Gemfile.lock

README.rdoc

Rakefile

config.ru

admin\_spec.rb

```
14 let!(:hacker) { FactoryGirl.create(:hacker) }
15
16 #define methods from scenario
17 def admin_is_signed_in
18   visit root_path
19   click_link "Admin Sign in"
20   fill_in "admin[email]", with: admin.email
21   fill_in "admin[password]", with: admin.password
22   click_button "Log in"
23 end
24
25 def admin_views_all_hackers
26   click_link "View Hacker List"
27   expect(page).to have_content("Hacker List")
28 end
29
30 def admin_sees_the_first_hacker
31   expect(page).to have_content(hacker.email)
32 end
33
34 end
```

# Run the Spec:



```
$ rspec spec/features/admin_spec.rb
```



```
(master)~/Sites/ruby_thursday$
```

```
(master)~/Sites/ruby_thursday$ rspec spec/features/admin_spec.rb
```

```
F
```

## Failures:

- 1) Admin admin sees hackers after login

Failure/Error: click\_link "Admin Sign in"

Capybara::ElementNotFound:

Unable to find link "Admin Sign in"

# /home/melissa/.rvm/gems/ruby-2.2.1/gems/capybara-2.4.4/lib/capybara/node/finder.rb:41:in `block in find'

# /home/melissa/.rvm/gems/ruby-2.2.1/gems/capybara-2.4.4/lib/capybara/node/base.rb:84:in `synchronize'

# /home/melissa/.rvm/gems/ruby-2.2.1/gems/capybara-2.4.4/lib/capybara/node/finder.rb:30:in `find'

# /home/melissa/.rvm/gems/ruby-2.2.1/gems/capybara-2.4.4/lib/capybara/node/actions.rb:27:in `click\_link'

# /home/melissa/.rvm/gems/ruby-2.2.1/gems/capybara-2.4.4/lib/capybara/session.rb:676:in `block (2 levels) in <class:Session>'

# /home/melissa/.rvm/gems/ruby-2.2.1/gems/capybara-2.4.4/lib/capybara/dsl.rb:51:in `block (2 levels) in <module:DSL>'

# ./spec/features/admin\_spec.rb:19:in `admin\_is\_signed\_in'

# /home/melissa/.rvm/gems/ruby-2.2.1/gems/simple\_bdd-0.1.0/lib/simple\_bdd.rb:21:in `block (2 levels) in <module:SimpleBdd>'

# ./spec/features/admin\_spec.rb:7:in `block (2 levels) in <top (required)>'

HTML: /app/views/layouts/application.html.erb



```
<%= link_to('Admin Sign in', new_admin_session_path) %>  
  
<% if admin_signed_in? %>  
  <%= link_to('View Hacker List', admin_hacker_list_path) %>  
  
<% end %>
```



## FOLDERS

## ▼ ruby\_thursday

## ▼ app

- ▶ assets
- ▶ controllers
- ▶ helpers
- ▶ mailers
- ▶ models
- ▼ views
- ▶ admin
- ▶ home
- ▼ layouts

application.html.erb

## ▶ bin

## ▶ config

## ▶ db

## ▶ lib

## ▶ log

## ▶ public

## ▼ spec

## ▶ controllers

## ▶ factories

## ▼ features

admin\_spec.rb

home\_spec.rb

signin\_spec.rb

## ▶ helpers

## ▶ models

## ▶ views

rails\_helper.rb

spec\_helper.rb

## ▶ tmp

## ▶ vendor

.gitignore

.rspec

Gemfile

admin\_spec.rb

application.html.erb

```
4 <title>RubyThursday</title>
5 <%= stylesheet_link_tag 'application', media: 'all'
  , 'data-turbo-links-track' => true %>
6 <%= javascript_include_tag 'application', 'data-
  turbo-links-track' => true %>
7 <%= csrf_meta_tags %>
8 </head>
9 <body>
10 <p class="notice"><%= notice %></p>
11 <p class="alert"><%= alert %></p>
12
13 <%= link_to('Sign in', new_hacker_session_path) %>
14 <%= link_to('Admin Sign in', new_admin_session_path
  ) %>
15 <% if admin_signed_in? %>
16 <%= link_to('View Hacker List',
  admin_hacker_list_path) %>
17 <% end %>
18
19 <%= yield %>
20
```

# Generate model:



```
$ rails g devise Admin
```

```
$ rake db:migrate
```



```
(master)~/Sites/ruby_thursday$ rails g devise Admin
```

```
  invoke  active_record
```

```
  create  db/migrate/20150511180353_devise_create_admins.rb
```

```
  create  app/models/admin.rb
```

```
  invoke  rspec
```

```
  create  spec/models/admin_spec.rb
```

```
  invoke  factory_girl
```

```
  create  spec/factories/admins.rb
```

```
  insert  app/models/admin.rb
```

```
  route  devise_for :admins
```

```
(master)~/Sites/ruby_thursday$ rake db:migrate
```

```
== 20150511180353 DeviseCreateAdmins: migrating =====
```

```
-- create_table(:admins)
```

```
-> 0.1299s
```

```
-- add_index(:admins, :email, {:unique=>true})
```

```
-> 0.0333s
```

```
-- add_index(:admins, :reset_password_token, {:unique=>true})
```

```
-> 0.0336s
```

```
== 20150511180353 DeviseCreateAdmins: migrated (0.1971s) =====
```

```
(master)~/Sites/ruby_thursday$
```

# Create Factory:

/app/spec/factories/admins.rb



```
FactoryGirl.define do

  factory :admin do
    email { FFaker::Internet.email }
    password { Devise.friendly_token.first(8) }
  end

end
```



## FOLDERS

## ▼ ruby\_thursday

## ▼ app

- ▶ assets
- ▶ controllers
- ▶ helpers
- ▶ mailers
- ▶ models
- ▼ views
  - ▶ home
  - ▼ layouts
    - application.html.erb

## ▶ bin

## ▶ config

## ▶ db

## ▶ lib

## ▶ log

## ▶ public

## ▼ spec

## ▶ controllers

## ▼ factories

admins.rb

hackers.rb

## ▼ features

admin\_spec.rb

home\_spec.rb

signin\_spec.rb

## ▶ helpers

## ▶ models

## ▶ views

rails\_helper.rb

spec\_helper.rb

## ▶ tmp

## ▶ vendor

.gitignore

.rspec

admin\_spec.rb

application.html.erb

admins.rb

```
1 FactoryGirl.define do
2   factory :admin do
3     email { FFaker::Internet.email }
4     password { Devise.friendly_token.first(8)}
5   end
6
7 end
8
```

```
(master)~/Sites/ruby_thursday$ rspec spec/features/admin_spec.rb
```

## Failures:

- 1) Admin admin sees hackers after login

```
Failure/Error: expect(page).to have_content(hacker.email)
expected to find text "alejandrin@beahan.us" in "Sign in Admin Sign in View Hacker List"
```

```
# ./spec/features/admin_spec.rb:31:in `admin_sees_the_first_hacker'
# /home/melissa/.rvm/gems/ruby-2.2.1/gems/simple_bdd-0.1.0/lib/simple_bdd.rb:21:in `block (2 levels) in <module:SimpleBdd>'
# ./spec/features/admin_spec.rb:9:in `block (2 levels) in <top (required)>'
```

```
Finished in 1.69 seconds (files took 9.36 seconds to load)
```

```
1 example, 1 failure
```

## Failed examples:

```
rspec ./spec/features/admin_spec.rb:6 # Admin admin sees hackers after login
```

```
(master)~/Sites/ruby_thursday$
```

# Admin Controller:

/app/controllers/admin.rb



```
$ rails g controller Admin hacker_list
```

```
class AdminController < ApplicationController
  def hacker_list
    authenticate_admin!
    @hackers = Hacker.all
  end
end
```



(master)~/Sites/ruby\_thursday\$ rails g controller Admin hacker\_list

**create** app/controllers/admin\_controller.rb

**route** get 'admin/hacker\_list'

**invoke** erb

**create** app/views/admin

**create** app/views/admin/hacker\_list.html.erb

**invoke** rspec

**create** spec/controllers/admin\_controller\_spec.rb

**create** spec/views/admin

**create** spec/views/admin/hacker\_list.html.erb\_spec.rb

**invoke** helper

**create** app/helpers/admin\_helper.rb

**invoke** rspec

**create** spec/helpers/admin\_helper\_spec.rb

**invoke** assets

**invoke** coffee

**create** app/assets/javascripts/admin.coffee

**invoke** scss

**create** app/assets/stylesheets/admin.scss

(master)~/Sites/ruby\_thursday\$



# Hacker List HTML:

/app/views/admin/hacker\_list.html.erb



```
<h1>Hacker List</h1>

<thead>
  <th>Email</th>
  <th>Join Date</th>
</thead>
<tbody>
  <% @hackers.each do |hacker| %>
    <tr><%= hacker.email %></tr>
    <tr><%= hacker.created_at.to_date %></tr>
  <% end %>
</tbody>
```

## FOLDERS

- ▼ ruby\_thursday
  - ▼ app
    - ▶ assets
    - ▼ controllers
      - ▶ concerns
      - admin\_controller.rb
      - application\_controller.rb
      - home\_controller.rb
    - ▶ helpers
    - ▶ mailers
    - ▶ models
    - ▼ views
      - ▼ admin
        - hacker\_list.html.erb
      - ▶ home
      - ▼ layouts
        - application.html.erb
    - ▶ bin
    - ▶ config
    - ▶ db
    - ▶ lib
    - ▶ log
    - ▶ public
    - ▼ spec
      - ▶ controllers
      - ▼ factories
        - admins.rb
        - hackers.rb
      - ▼ features
        - admin\_spec.rb
        - home\_spec.rb
        - signin\_spec.rb
      - ▶ helpers
      - ▶ models

```
admin_spec.rb x application.html.erb x admins.rb x admin_controller.rb x hacker_list.html.erb ●
1 <h1>Hacker List</h1>
2
3 <thead>
4   <th>Email</th>
5   <th>Join Date</th>
6 </thead>
7 <tbody>
8   <% @hackers.each do |hacker| %>
9     <tr><%= hacker.email %></tr>
10    <tr><%= hacker.created_at.to_date %></tr>
11    <% end %>
12 </tbody>
13
```

melissa@melissa-Inspiron-3542: ~/Sites/ruby\_thursday

melissa@melissa-Inspiron-3542: ~/Sites/ruby\_thursday 80x26

```
(master)~/Sites/ruby_thursday$ rspec spec/features/admin_spec.rb
```

.

Finished in 0.86359 seconds (files took 2.46 seconds to load)

1 example, 0 failures

```
(master)~/Sites/ruby_thursday$
```

# Helpful Links



- <http://blog.pivotal.io/pivotal-labs/labs/introducing-simple-bdd>
- <http://blog.pivotal.io/pivotal-labs/labs/thoughts-on-simple-bdd>





# This Week's Challenge:

/app/spec/features/admin\_spec.rb



Refactor to be easily reused:

```
def admin_is_signed_in
  visit root_path
  click_link "Admin Sign in"
  fill_in "admin[email]", with: admin.email
  fill_in "admin[password]", with: admin.password
  click_button "Log in"
end
```



> RubyThursday