



Rails TDD

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Setting up your testing framework

We went over a couple of new gems in this chapter that require some configuration on our part the process of configuring your testing environment. We suggest to bookmark this window so t the rest of the assignments in this course.

Initializing the Rails application

You can skip this part if you're updating an existing application. Remember to add `-T` flag to o can skip the creation of the default test files.

```
rails new TheWall -T
```

Adding our Dependencies

Gemfile

```
group :development, :test do
  gem 'rspec-rails'
  gem 'factory_girl_rails'
  gem 'capybara'
end
```

Installing our Dependencies

```
dojo$ bundle install
dojo$ rails generate rspec:install
```

Configuring our Dependencies

This is our Rails Helper file without any of the default comments included. Make sure to add the environment. Notice how much simpler it looks now! I added a small description of some of the can use this example as a template for any of your future projects.

spec/rails_helper.rb

```
# This makes sure that we set our environment to test instead of development. This is so that we connect to c
# instead of our development database.
ENV['RAILS_ENV'] ||= 'test'
require File.expand_path('.../config/environment', __FILE__)
abort("The Rails environment is running in production mode!") if Rails.env.production?
require 'spec_helper'
require 'rspec/rails'

# This is set so that our testing database matches our development database after migrations.
ActiveRecord::Migration.maintain_test_schema!
RSpec.configure do |config|
  # Includes Factory Girl into our testing environment
  config.include FactoryGirl::Syntax::Methods
  # This is set so that the test database is cleared after our tests are complete.
  config.use_transactional_fixtures = true
  config.infer_spec_type_from_file_location!
  config.filter_rails_from_backtrace!
end
```

Adding Features Folder

Make sure to go to the root of your project directory and use the following commands. All we're folder inside of our spec folder. This is where all of your feature specs will be stored.

```
mkdir spec/features
```

Cheat Sheet

RSpec Methods

Always make sure that you're running your rspec tests from your root directory!

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Additional Resources

require "rspec"

RSpec.describe do

it "cheat sheet" do

expect(true).to be_truthy

expect(false).to be_falsey

expect("string").to eq("string")

expect("string").to_not eq("not")

expect(<valid_instance>).to be_valid

expect(<invalid_instance>).to be_invalid

end

end

Capybara Methods

require 'rails_helper'

feature "cheat sheet" do

scenario "navigation" do

visit new_user_path

visit "/users/new"

visit user_path(user_instance) #for show page

end

scenario "clicking" do

click_button "id-of-button or text-of-button"

click_link "id-of-link or text-of-button"

click "id-or-text-of-button-or-link"

end

scenario "filling our forms" do

fill_in "id-or-name-of-input", with: "oscar"

choose "id-or-name-of-radio-button"

check "id-or-name-of-checkbox"

select('Option', :from => 'Select Box')

click_button "id-or-value-of-submit-button"

end

scenario "expectation" do

expect(page).to have_content "content on page"

expect(page).to_not have_content "content shouldn't be on page"

expect(current_path).to eq("/expected/path")

end

end

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