

HW08 instructions

Ruby On Rails Course



Prerequisites

Create a new branch for working on this assignment

- ✦ Please create a new branch from the HW7 branch for working on this assignment called HW8 with the following command:
- ✦ `git checkout -b HW8`
- ✦ continue working in your `reddit_homework_03`



Assignments

Assignment #1: Setup RSpec and FactoryGirl

Setup RSpec

- ✦ Delete /test folder if you already have it
- ✦ Add rspec-rails gem (<https://github.com/rspec/rspec-rails#installation>)
 - ✦ add to :development and :test group
 - ✦ run bundle install
 - ✦ run rails generate rspec:install

Setup FactoryGirl

- ✦ Add factory_girl_rails gem (https://github.com/thoughtbot/factory_girl_rails)
 - ✦ add to :development and :test group
 - ✦ bundle install

Setup Shoulda Matchers

- ✦ Add shoulda-matchers gem (<https://github.com/thoughtbot/shoulda>)
 - ✦ add to :development and :test group
 - ✦ bundle install

Assignment #2: Create factories

Create User Factory

- ✦ create file spec/factories/user.rb
- ✦ define:
 - ✦ nickname
 - ✦ email (use sequence generator because of uniqueness)
 - ✦ password (minimum 8 characters)



Create Subreddit Factory

- ✦ create file spec/factories/subreddit.rb
- ✦ define:
 - ✦ name
 - ✦ description



Create Post Factory

- ✦ create file spec/factories/post.rb
- ✦ define:
 - ✦ title
 - ✦ content
 - ✦ user association
 - ✦ subreddit association



Create Comment Factory

- ✦ create file spec/factories/comment.rb
- ✦ define:
 - ✦ content
 - ✦ user association
 - ✦ post association



Assignment #3: Write model tests

User spec

- ✦ create file spec/models/user_spec.rb
- ✦ test validations
- ✦ test associations
- ✦ test token is generated on create

Subreddit spec

- ✦ create file `spec/models/subreddit_spec.rb`
- ✦ test validations
- ✦ test associations
- ✦ test order scope you have

Post spec

- ✦ create file `spec/models/post_spec.rb`
- ✦ test validations
- ✦ test associations
- ✦ test order scope you have



Comment spec

- ✦ create file `spec/models/comment_spec.rb`
- ✦ test validations
- ✦ test associations
- ✦ test order scope you have



Assignment #4: Write controller tests

Note for controller specs

- ✦ we have to sign in a user to test controllers
- ✦ add this line to spec/rails_helper.rb (inside configure block)

```
config.include Devise::TestHelpers, type: :controller
```

- ✦ now we can call sign_in in every controller test

```
RSpec.describe SubredditsController do
  let(:user) { FactoryGirl.create(:user) }

  before { sign_in user }

  ...
end
```



Subreddits Controller spec

- ✦ create file spec/controllers/subreddits_controller_spec.rb
- ✦ test methods:
 - ✦ index
 - ✦ new
 - ✦ create (when valid and invalid)
 - ✦ show
 - ✦ trending (it should render show)

Posts Controller spec

- ✦ create file spec/controllers/posts_controller_spec.rb
- ✦ test methods:
 - ✦ new
 - ✦ create (when valid and invalid)
 - ✦ show
 - ✦ edit
 - ✦ update (when valid and invalid)
 - ✦ destroy



Comments Controller spec

- ♦ create file `spec/controllers/comments_controller_spec.rb`
- ♦ test methods:
 - ♦ create (when valid and invalid + sends email)
 - ♦ tip: use `ActionMailer::Base.deliveries` to check if mail is added to the queue

Submit your solutions

Push to the remote repository on Github

- ✦ NOTE: I'm not going in depth how to do commits, please consult with already provided online resources.
- ✦ Once you finish each assignment create a final push to your branch:
- ✦ `git push origin HW8`
- ✦ You don't have to push it only once (i.e. when the whole assignment is over), you can do commits and pushes every time you make any significant progress such as finish an assignments.

Create a pull request

- ✦ Once you have pushed your finished assignments, you will have to create a pull request from your HW8 branch to your master branch
- ✦ Go to Github and position yourself in the HW8 branch
- ✦ If you can't find a way how to go to your branch, the URL should be: <https://github.com/InfinumAcademy/academy-#{name}-#{surname}/tree/HW8>
- ✦ Find the little green button on the left and create a pull request - it should point from branch HW8 to master

Reviewing your pull request

- ✦ if everything is good, we will merge it to the master branch and your work is done (awesome!)
- ✦ if we have some constructive comments about your solution, we will ask you to modify your solution and push again to the HW8 branch again (the pull request will be updated automatically with every commit pushed to the HW8 branch). After you've pushed your changes, just make a comment on Github mentioning us, (e.g. 'Hey @#{reviewer}, I've improved my solution!')