Individual Assessment- HipsterGram
Stefan Rudvin 51549217

An advanced Instagram clone built with behaviour-driven-development in Rails. Main feature is user upload and a search where users can search for images to upload and get ideas.

Features

- **Full** Instagram features with: login – register – uploading photos with captions – comments – likes – following users – Editing/Deleting posts, images, captions, bios, comments – uploading profile image – User feed – Discover – Profile page
- Users can **search for images** through search tool – Images scraped and saved from www.Pixabay.com using Nokogiri and regex
- Users are **authenticated** to only manage own comments and posts even through URL etc.
- **Admin features** – manage users, comments, posts and follows.
- **TDD**- using RSPEC & Capybara
- Additional **gems**: Haml, simple_form, paperclip, factory_girl, sass-rails, bootstrap-sass, devise, acts_as_votable, rails_admin, nokogiri, capybara, route_translator
- **Internationalization** supplied for login and index page (link at bottom).
- **Git** branches for features
- **AJAX** for deleting/creating comments, likes/unlikes and following/unfollowing users.
- **Validation** of comments, users, bios, pictures and posts.
- **Log** file of all searches found in assets/urls.txt

Challenges, development and design

There were many challenges in this project. First, some of the capybara tests had to be disabled as there is no way for capybara to press the enter key. However, these tests work when AJAX is not used. Tests cover a wide variety of scenarios from creating users to uploading posts, editing posts etc. The controller tests appear to not pass, although this is just due to there being no tests present in those files. Secondly, the scraping of Pixabay proved to be especially difficult due to a hotlink ban, so images had to be saved into the assets folder and shown from there instead of being displayed directly form the url.

The images are saved and used through the rails Asset Pipeline, numbered and overwritten as new searches are made. I learned much about RegEx as well. Interesting gems such as factory_girl were used to factorize user creation and model creation for tests. Acts_as_votable was used for liking posts, and gems such as devise and rails_admin were used to create and manage users.

The app was made to be as close to the official Instagram page as possible. The HAML structure was used for HTML views which aided the views management, and SASS was used for CSS.

Installation & Deployment

Local:

1. Git clone https://github.com/StefanRudvin/HipstergramBDD.git
2. Bundle install –without production
3. Rake db:migrate
4. Rails s

Heroku: Access application at: https://stefangram.herokuapp.com/