CS/VT 4990: Advanced Web Development with Django

Assignment: Pinterest Clone

Objectives

Building on what you’ve learned with class based views, user registration, multi-user sites, and ajax, you’ll be building a Pinterest clone. In fact, the Pinterest site is developed in Django. If you have been successful with the Time Clock assignment, this assignment should be easier to manage.

Requirements

• User Stories:
  • A user can join the website and create his or her own pin board
  • A pin is made up of a photo, link to a site (optional), private / public designation, date posted, and a description
  • Pins can be put into multiple groups called pinboards. Pinboards have a name and an owner.
  • All public pins are available to outsiders
  • A user can re-pin another user’s pin
  • When viewing pins, you can see the user’s Gravatar (profile picture)
  • The home page contains a list of the latest public pins
  • Logged in users can leave a comment on a pin
  • A user should be able to edit and delete his or her own pins
  • Scrolling down on a long page should automatically load more pins (infinite scrolling)
• Tests
  • You can’t edit, delete, etc. someone else’s pins

Extra Credit Ideas

• Have image uploads go to and serve from an Amazon S3 account by using the S3 storage backend
• List of users allowed to view a pin board

Hints

• Use http://github.com/nvie/django-gravatar to generate the avatar picture for the user