

Team Name: camelCase

Team #110-2

Ryan Oroke, Siyuan Huang, Felipe Lima, Ilya Zinyakin, Zack Jorquera & Nadiv Gold Edelstein

Project Title:

FreeDrop

Project Description:

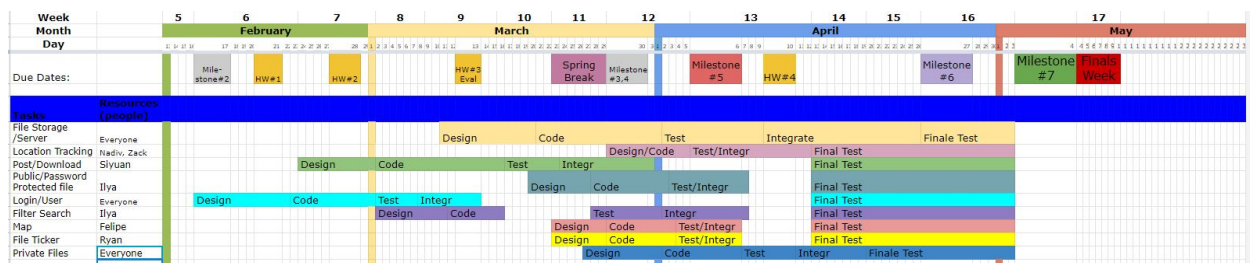
Ever since the beginning of file-sharing software users have uploaded millions of files which are only important for a short period of time, and then needlessly occupy server spaces despite becoming irrelevant. Here at Free Drop, we have set out to revolutionize the way we use file-sharing systems by allowing users to limit their file distribution over a limited time frame and in a limited location. With this twist on file-sharing, Free Drop not only makes your sharing experience more efficient, easier, and more secure. Try Free Drop for free today!

Our web app targets professionals and students who will be required to give the app access to their location in order for the application to function properly. The application will be able to support a variety of different file types, including images, videos, etc. The web server will be built using Flask with MongoDB as they are useful for getting the files to the users and sending them back to the correct location.

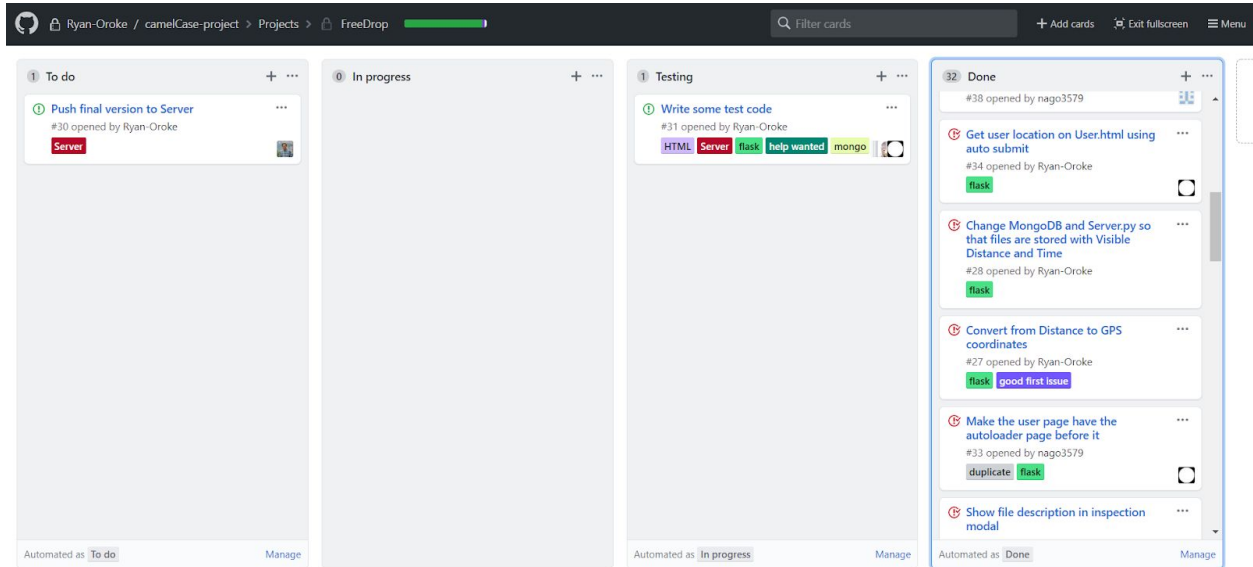
By allowing users to not only publish images and text but PDFs and other files to our application's server, we created both a new form of social media sharing as well as a useful tool for our users. By founding the sharing of files in a location-based methodology we eliminate the need for users to share links to particular websites or navigate through overly complex web-based storage systems and rather allow them to retrieve files simply and easily.

Project Tracker:

[Gantt Chart](#)



GitHub Project

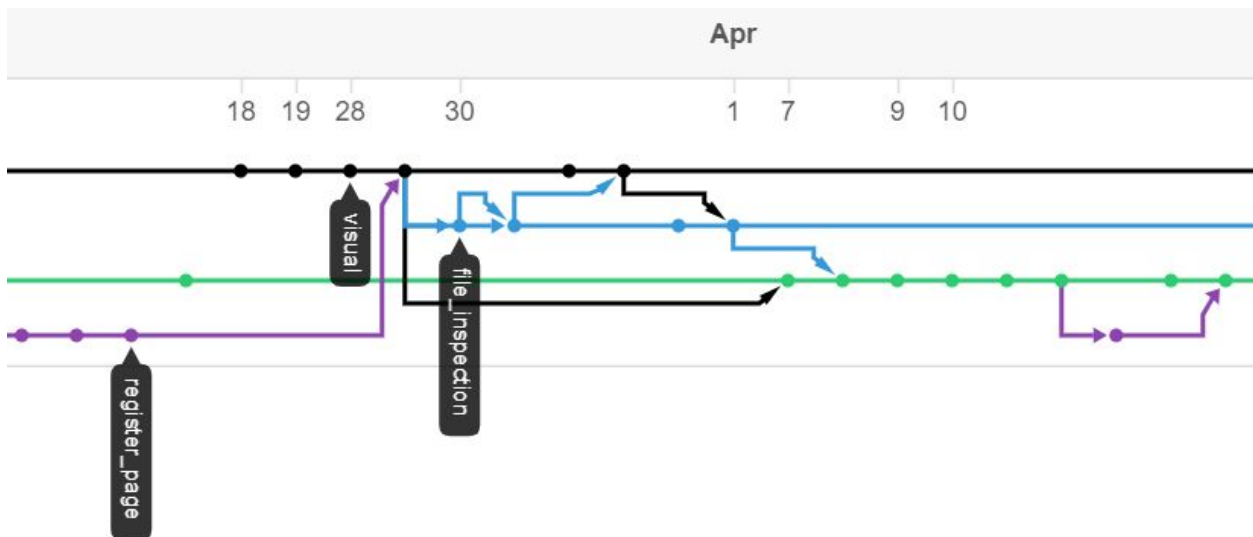


VCS:

[GitHub Project Repo](#)

Network Graph:

<https://github.com/Ryan-Oroke/camelCase-project/network>



Contributions:

Ryan Oroke: Worked primarily on Front End HTML/JS during first half of project. Later shifted to integration layer (Flask) page requests and backend (MongoDB) file and user manipulation.



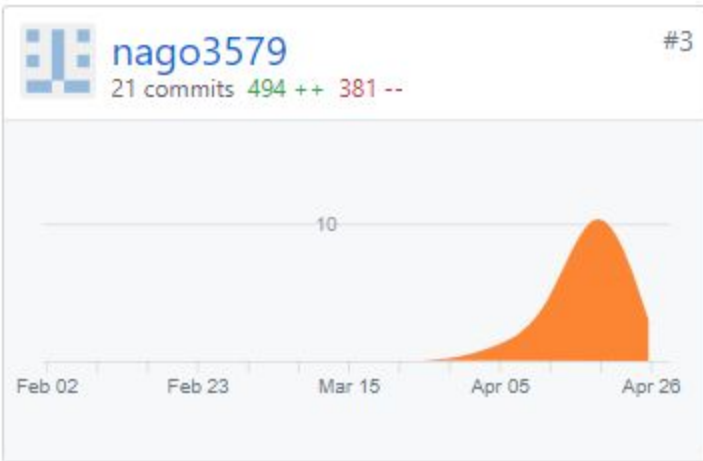
Felipe Lima: I worked mainly on the front end HTML/JS.



Ilya Zinyakin: Worked on front-end main page google maps and Google APIs



Nadiv Gold: I had the original idea, and worked on the flask frontend



Zackary Jorquera: I worked on parts of the flask backend in general and with MongoDB



Siyuan Huang:



Deployment:

In order to deploy our application, we port forwarded our localhost using HTTPS so users can connect directly to our server. We also set up SSL/TLS. We did not register our SSL key so you will get a warning saying “Your connection is not private.” You will have to tell chrome/firefox that you trust our website by clicking advances and then “Proceed to 67.166.25.137:5000 (unsafe)”. You’ll also need to allow location data in the popup.

<http://buffs.myddns.rocks/>

<https://youtu.be/PwW4MvKwm90> (Demo)