Team Name: camelCase
Team #110-2

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Application Name:
FreeDrop

Application Description:
Location based file sharing is what we are planning on doing for our project. We will attempt to create our own database server on our personal laptops and try to use a geo-location finder on React Native. The reason we are planning on using React Native is that we will be able to integrate our code easily for mobile devices as well as PCs. Thus we will only need to develop our application once for use across Android, IOS, and web with the added feature of geo-location.

Our application will target young folks 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 as it is 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 will both create 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.

Vision Statement:
"To streamline file sharing and communication amongst
our users through location based file distribution."

Version Control Picture:
https://github.com/Ryan-Oroke/camelCase-project.git
https://github.com/Ryan-Oroke/camelCase-milestones.git
https://github.com/Ryan-Oroke/camelCase-meetinglogs.git
Ckc6cz - Chelsea's GitHub

Development Methodology:

We decided to use the Agile development methodology due to its usefulness in communication and timeline flexibility since we all have very different schedules. Our plan to start our project is to use a geo-location based app so we would start by looking at what front end has the geo-location for ease of use. Then we will look at making a way to make the user login and making an app page that shows your location and you can find your location for the drop. After we will start to dwindle down the close location of the person to drop something in that radius.

Communication Plan:

For the purpose of communicating for our project, we have a few systems in place. To begin, we have established a GroupMe chat which is to be used for scheduling meetings, communicating unforeseen problems, making sure everyone is on the same page. In addition to GroupMe, we are planning to meet face-to-face every Wednesday from 6 pm to 8 pm for the purpose of scheduling, troubleshooting, and further developing our application. As our project progresses we're planning to use Google Docs and Google Sheets to distribute tasks and create a timeline for development as well as use GitHub to combine our individual contributions to our application and for revision control.

Proposed Architecture:

For full stack development we plan to use React Native, whose write once, run anywhere framework will allow us to use one code base for both IOS, Android, and the web. For server-side development, we plan to use Flask with Python. This will handle get and post requests from the React app, interface with a no-SQL database (perhaps MongoDB), and handle multiple users.

Meeting Plan:

Day: Wednesday
Time: 6:00 - 8:00 PM
Mode: Face-face || FaceChat
Location: On campus study room in ITLL