Team Name: camelCase
Team #110-2

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

Project Feature List

- **File Storage/Server –**
  - We have a way for storing the files. This can be done using the servers OS file system and have the DB store locations.
- **Location Tracking – Geo-location**
  - Gets user location and queries server to find files in range
- **Post/Download – Posting requires logging in / download doesn't**
  - Access restrictions
  - Messages
  - Time spam
  - Distance from the file/radius
  - Categories
- **Public/Password Protected file**
  - Let users choose between uploading their files so that anyone in the provided radius can download them or require that users add a password to their file so that only certain users, those with the password, can download the file.
- **Login/User**
  - Logs user in to post files and access private files
- **Filter Search**
  - Search through uploaded files by name, tag, upload date, uploader, or filetype
- **Map**
  - Map feature lets you search for files based on the map view
- **File Ticker**

  - Shows number of files uploaded and where
- **Private Files**
  - Restrict users that can view files

Requirements:

- **File Storage/Server**
  - Functional:
    - Can store files uploaded from users
  - Non-Functional:
    - Fast storage and retrieval of file. Has the capacity of 10 Gb of data at a min.
- **Location Tracking - Geo-location**
  - Functional: If the user gives permission for the site to access their location, the application can place the user on a map and store their location
  - Non-Functional:
- **Post/Download - Posting requires logging in / download doesn't**
  - Functional
    - Users can post files with location data and user info of poster
    - Users can retrieve files within a location
  - Non-Functional
    - Can search for and retrieve valid files within the range in under 1 sec (easy)
- **Public/Password Protected file**
  - Functional
    - Users can mark files public
    - Users can add unique passwords to their files, where only other users that have the password can view or download.
  - Non-Functional
    - Password protected files are encrypted
- **Login/User**
  - Functional
    - Users can restore their password if they forget.
    - Password reset with a security question
    - Users can log in to their accounts to post files to the server.
  - Non-Functional
    - New passwords are sent to the user's email that was used to sign up
    - Users set up a security question when they sign up. This question will allow the user to reset their question.
    - Passwords are encrypted when stored.
- **Filter Search**
  - Functional:
    - Users can search for files based on label/size/file type/age
  - Non-Functional:
    - Scalable with 100 or less files

Project Plan:

https://docs.google.com/spreadsheets/d/1ElcudInz35g4Y0aGILyyjCRXrcgONZTVpj_ic179K68/edit?usp=sharing

Drive Folder:
https://drive.google.com/drive/folders/1cBhDLTk3Cn8cm8Iv4hHn6Xt8ew7g6-Hp?usp=sharing

The project plan to be filled out in the future is under the "Projects" tab on the GitHub repo
https://github.com/Ryan-Oroke/camelCase-project/projects/1