Space Force

- Dylan Bossie
- Mikayla Pickett
- Sang-Joon Song
- John Mulligan
- Drew Turner
- Andrea Martorano

Project Description: **Photo Album Tagging/Searching Software**
Our application will provide users with a webpage displaying a login prompt to access an interactive photo album database. A database of user information is used in order to allow them access to their respective albums.
Initially, their personal photo database will be empty. The website will allow users to upload their photos and prompt them to tag them during the upload in a user interface. However, the user does not need to tag them at the time of upload. The user will also be able to tag individual photos, groups of photos, or an entire album any time after they upload them. Photos and albums will have the capability to be attributed with multiple tags. Within an album or their full database, the user will be able to search a tag to find their desired photos.

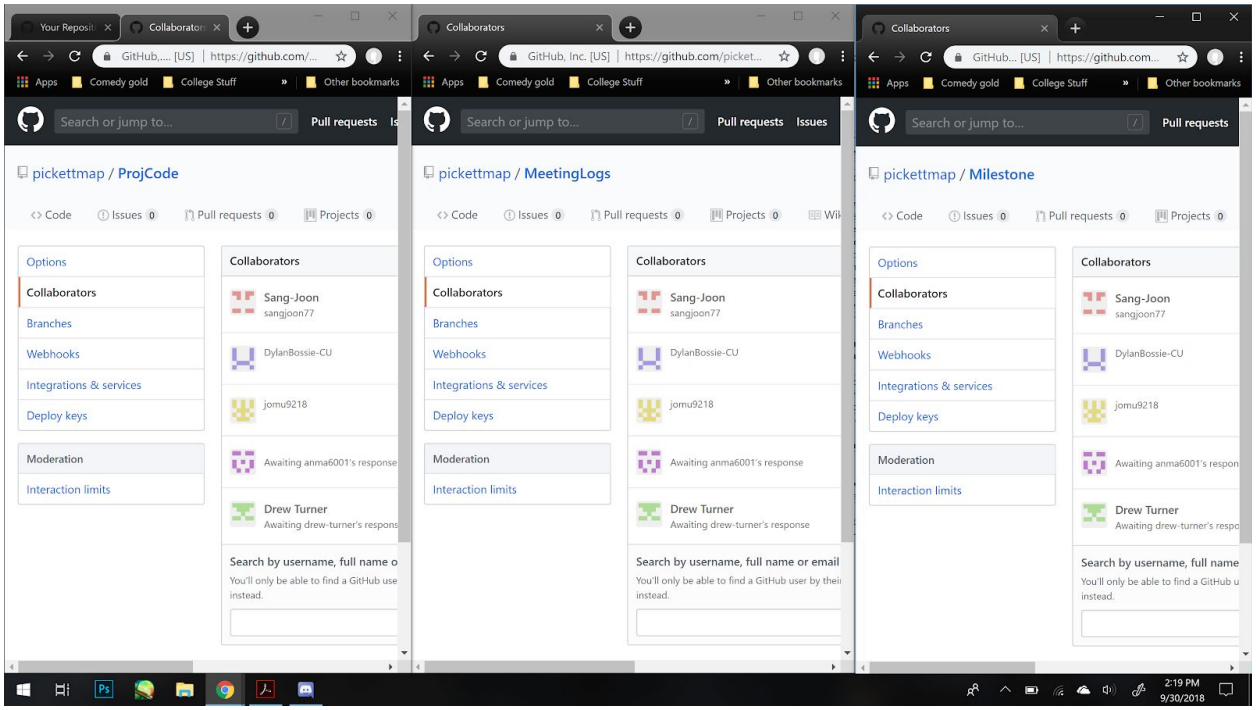
Vision Statement:
Give users a place to easily organize their memories.

Motivation:
There is not much useful information that a photo carries when the file is uploaded by the user. It can be difficult to remember the different aspects and the pretext behind a photo when going back to it.To facilitate photo organizing, an application was needed to embed photos with information in order to classify them and so that it is easier to remember the little details about the photo.

Risks:
Group members will need to learn new languages, and their applications to frontend and backend software architecture. The group will also need to learn how to integrate each layer of the stack, and communicating information between them. The main risk of this is fitting this learning process into the limited time frame available.

Risk Mitigation Plan:
Our group will work to have a carefully designed scope, with a balance between providing valuable learning opportunities, while also setting limitations on features to ensure the application can be developed within the limited time frame. We'll adopt and refine our architecture early on so we staying moving forward.

Version Control:



Development Method:

- *Agile*

The group will use *Asana* to manage the Kanban board.
The group will meet bi-weekly during weekly sprints. The meeting on Sunday will define the sprint for the week, using scrum methodology to organize the work. An online Kanban board will be used to organize Todo, In progress, and Done. Backlog will be neglected due to the limited timeframe, and every task must be completed in a timely manner. Based on the weekly sprint goal, the Kanban board will be populated, and group members will be self-assigned either based on their skillset or their interest.

Collaboration Tool:
Discord - Communication
Github - Version Control
Google Drive - File Management (outside of what is shared on GitHub)
Asana - Agile Project/Task Management

Proposed Architecture:
Front end - html, javascript, css
Integrating layer - html, javascript
Back end - Python, SQL database