**short(!) overview**
**Personal Library App**
My project is now focusing on just the user's personal library catalog. It is not about buying books or anything like that, it is just for those people who like to have a running list of all their books and where/if they own them!
Things I have done so far:
- Connected to the OpenLibrary API
- Created the function to look up and store books to your personal library
- Made the ability to view the whole library

**It is a pretty straight forward process:**
1. You are presented with a menu

   a.
   ```
   Menu Options
   1. Add book
   2. View library
   3. Search for a book
   Please enter a number corresponding to your menu option:
   ```
2. You select what you would like to do (in this case we are looking for a book to add)

   a.
   ```
   Menu Options
   1. Add book
   2. View library
   3. Search for a book
   Please enter a number corresponding to your menu option:3
   You selected option: 3
   Enter the title of the book you want to search for: Little Prince
   Dinah Maria Mulock Craik
   1800
    Do you want to add this book to your library?
   Enter 'yes' or 'no':
   ```
3. Verify your book has been added

```
3. Search for a book
Please enter a number corresponding to your menu option:2
You selected option: 2
                        title                    author      type
0                        Alex                        25     paper
1                         Poe                         5     audio
2                       title                    author      type
3                       Dylan                       252   digital
4                       Janie                        15      book
5                       Dylan                       252   digital
6                       Janie                        15      book
7                         NaN                       NaN       NaN
8                       Tiana                       Mom     audio
9                       Sarah                  Mr.Beans   digital
10                LittlePrince               Alex Brent     paper
11          Running with Wolves              Albi Wale    digital
12                         yes               Carl Hiaasen    audio
13                     dracula               Bram Stoker    paper
14                      hamlet        William Shakespeare    paper
15                        hoot               Carl Hiaasen    audio
16                        hol                Louis Sachar   digital
17                  Good Omens                Neil Gaiman    audio
18                Little Prince  Dinah Maria Mulock Craik    paper
```
a.

## Issues I faced

- I struggled a lot in the beginning just trying to wrap my head about the code stuff. I kept trying to just use what we had already done and was worried about trying new things. I eventually had to just start from scratch and reorganize how I was handling things.
- I could not figure out how to make an API work at first. I initially just scraped a site for books and was using that for my search database set. I never figured out the whole Google Books API but I searched for alternatives and found the OpenLibrary one and it was super straightforward to implement.
- At the moment I am not hitting any major issues! I have to add a notes input to the users library and maybe some sort of edit where they can update a book they already own, but those things seem pretty straightforward. I am going to just add a notes field and input to the set. Then I will probably use the _append option to allow users to edit what is currently in their library.

## Milestones

- Error Reports
  - I need to identify where things could go wrong and create some sort of response. I am thinking of just creating a function and having it start if someone does something the app does not like.
- Have a Visual
  - I need to start working on how to visualize this app. While it works currently I think I need to work on creating a basic interface for it.

- More DATA!
  - I want to try and pull the covers of books in and also maybe make different datasets so users have multiple "shelves" to organize their collection. I think that could be really cool. But will need to figure out how to feed them all into the one main dataset.
- Toggles and Buttons and Inputs OH MY
  - I think the whole process could be made cleaner if there were not so many input fields. I think we can add some different fields to make everything feel a bit smoother.
- Gussy her up
  - I want to make it nice to look at for the users as they are going through.

Self Reflection
- I feel really good about my progress so far! I have learned a whole lot. I was really proud of myself that I accepted that what I had was not working and took a step back to reassess and come up with what I currently have which is much cleaner and smoother.
- I think I can definitely have a finished project. It might not be the most complex thing, but I think it will be what I was envisioning to a degree.
- Making all the inputs and interactions with users was way more straightforward than I thought it would be. The datasets were so confusing to me! I could not figure how to save or edit or delete and it was all suuuuper annoying.
- Nothing jumps out at me as a lightbulb moment. There was that day I spent like 3 hours trying to figure out why something was not working and it turns out I had commented out a line I didnt mean to…