

Github Accounts:

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What are we going to put for the github link?

1. Define Objectives:

- a. Learn about data structures and improve at Python
- b. Learn how to integrate GUI tools into our project
- c. Provide an efficient, easy-to-use tool for (hypothetical) users
- d. Make it look pretty

2. Select Technologies and Tools:

- a. GUI Tools
 - i. Tkinter
 - ii. PyQt5/6
- b. Spyder IDE
- c. Excel (?) - for creating our dataset?

3. Project Timeline

- a. V1 - Implement a basic Book object, make a sortable inventory of books that can be searched by author name, title
- b. V2 - Add library accounts (make a User object), allow users to check out books (change the availability of book), and add a waitlist for checked out books

- c. V3 - Add recommendation feature for related books, expand search and filtering options
- d. V4 - Create a GUI

Tasks

1. Information to store about books
 - a. Author, Title, ISBN, Date Published, isAvailable(?), Genre
2. Search Feature
 - a. Author Name, Genre, Book Title, ISBN, keywords/tags
3. Waitlist for books that are checked out
4. Library Account System - track who has a book checked out
5. Find a dataset of books or make our own
 - a. How many books should be in our system?
6. Related/Recommended Books
7. Graphical Interface