The purpose of the website is to generate new book recommendations for users through an interactive quiz, culminating in a list of books provided by Chat GPT. Finding books online and sorting through vast libraries can sometimes result in choice paralysis for people interested in reading. It is also a large time investment and deters people from persisting with finding a new, good book. With my website, I provide 3 simple questions that allow for customized book recommendations through users' selections of genre, book awards, and age range. The quiz is engaging as users can easily select preferences and explore the powers of generative AI in a structured manner, as inputting effective or correct prompts into Chat GPT can sometimes be confusing for those with little experience with generative AI. The website is designed for people looking for quick book recommendations or people who are just curious about the applications of generative AI. The website was initially designed to require little input from the user which still results in high value for them as they do not need to search online and spend time curating book recommendations. Considering that the API key from Open AI is easily revoked, this website has become more targeted towards those interested in seeing the capabilities of Open AI's API within the context of finding more books to read and who have an API key.

Interactions Implemented:
- Take the Bookworm recommendations quiz
    - Taking the interactive quiz
        - Click on the "take the quiz" button on the home page
        - Walk through and answer each quiz question by selecting on the options displayed on the screen
        - Click "Continue" at the bottom of the screen after completing each question
    - Store or Remove preference selection
        - Select one or more options for each quiz question by clicking on each option
        - Click again to unselect option if you wish to remove it from your preferences
    - Generation of Book results via the Chat GPT API
        - After reaching the results page and entering in your correct, secret API key, hit the "Get Book recommendations!" button to see a list of 5 books generated that are tailored towards the preferences you selected

I chose to use the Chat GPT (Open AI) Web API as it has a large database of books prior to 2021 that it can search through to provide recommendations to users. An alternative would have been to scrape that data from the web myself as there are limited options with the power and capabilities of Chat GPT's models. After saving the user's preferences or options selected from the quiz, I inputted the array into a prompt that I sent via a request function to chat GPT. The prompt I used was "Give me a list of 5 book recommendations that have all of these features (Array of Preferences)". It provides high value to the experience of the website as people only need to answer a few questions and undergo a simple quiz to see the generative capabilities of Chat GPT.

I iterated on the prototype I designed prior to coding my website and made changes to reduce visual clutter and use color sparingly. My initial design had a lot of color and large boxes taking up real estate,

which can be visually overwhelming as it does not support scanning the options easily. As I heard this feedback during user testing and from peers, I decided to make the background color of the options within each quiz question white. My final website looked more minimalistic as a result, with colors used only to highlight sections on the website, selected options, and buttons. A challenge I experienced with the website was figuring out how to keep the secret API key a secret when deploying a public repository. I tried to make a private repository, use a .env file, and use .gitignore yet none of these solutions worked or were clear enough to implement. I ended up creating an input tag for the user to input their api key to receive their book recommendations. This was not how I initially envisioned the user to interact with the website as it requires them to go to a different website to create an API key which is not my target audience(i.e., the general public and anyone interested in reading books of all literate ages). Moving forward, I now know a little more about what it takes to work with APIs and will be mindful of how I design and create a website to incorporate these considerations and security measures.

Screen size to test: iPhone SE, 375 px by 667 px