**Project Overview**

* Collects user preferences (book titles/authors/reasons for liking).
* Provides personalized book recommendations based on these preferences.
* Uses Google Books API to enhance recommendations with metadata (images, descriptions) for selected books.
* Leverages GPT-based LLMs for recommendations.
* (from a developer perspective) Keeps maintenance/content updates low and optional. (set it and forget it)

**Currently**: I have a basic framework for users to enter book names and optional reasons. In return they will receive 3 recommended books. The front/backend are communicating. The MongoDB is setup but not really being used as all data is coming from googlebooks API or OPENAI API(recommendations).

**Goals/future features:**

**Must-Haves Before Launch**

* Autofill for book field- Book name and author should autofill when user begins typing.
* Purchase/affiliate links for recommended books- Links that lead to amazon, audible, Barnes n Noble etc. This should help the user, but also be a means for passive revenue.
* Safeguards against DDOS attacks, Token Over-use(*error with option stretch goal of monetization after x amount of uses).*

***Optional stretch goals***

* *More creative/personalized UI. Loading Animation on Get recommendation button, magical themes like a wizard or something to make feel fantastical, unique, or homey. (book nerds can appreciate) Less corporate more fun, but still simple and not overly distracting… h u m a n touch.*
* *A separate page for abstract prompting…prompting user something like “What are you in the mood for?” example response: “I’m in the mood for a relatively short book with adventure and action that will keep me on the edge of my seat while remaining intellectually engaging.”*
* *A separate “inspiration” page showing books currently popular, ideally top 5 overall. Top 5 by genre, top 5 by region. To keep maintenance low I will likely have to import this from somewhere else automatically. This feature is most likely going to require the most work/maintenance- last in line for development.*
* *Custum LLM trained for book recommendations(maybe trained on book review data, library data) model set with custom safeguards/behavioral parameters*