Mina Rizk

Capstone Step 2: **Project Proposal**

## Description

The Book Search and Wishlist Application is designed to assist book enthusiasts in managing their reading lists and personal book collections. By integrating with the Google Books API, users will be able to search for books, organize them into wishlists, track their reading history, and manage their collections through a user-friendly web interface. The application aims to enhance the book management experience with powerful search capabilities and intuitive design.

## Stack Focus

- **Front-end UI**: The focus will be on creating a dynamic and engaging front-end experience using React, ensuring an intuitive user interface and seamless interaction.
- **Back-end**: Node.js with Express will be used to handle server-side logic, including API integrations and user authentication. MongoDB will be employed to manage user data and book collections.
- **Full-stack Balance**: The project will be evenly focused on both front-end and back-end development to create a cohesive and functional application.

**Type:**

- Website

**Goal:**

The goal of the Book Search and Wishlist Application is to provide users with an effective tool for discovering, managing, and organizing books. The application will facilitate book searches, wishlist management, and tracking of reading progress, aiming to enhance the overall book management experience.

**Users**

The application targets avid readers, book collectors, and individuals who want to keep track of their reading habits. The demographic includes casual readers and serious book enthusiasts who value organization and easy access to book information.

**Data**

- Book Data: Retrieved from the Google Books API, including book titles, authors, descriptions, cover images, and other relevant details.
- User Data: Includes user profiles, wishlists, reading history, and personal notes. This data will be stored in MongoDB.
- Collection: The application will fetch book data from the Google Books API and manage user-generated data in the database.