CMSC436 Project Proposal: TerpTales

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App Description

TerpTales is an e-book reader designed to enhance the reading experience for users across a variety of mediums, including textbooks, novels, and magazines. With TerpTales, users can navigate through their digital library, accessing a vast array of content at their fingertips.

Minimal Goals

1. Basic e-book reading functionality, including the ability to open, navigate, and display e-books in various formats.
2. Bookmarking feature to allow users to mark important pages.
3. Simple highlighting functionality to emphasize text.
4. Basic annotation feature for users to add notes to e-books.
5. User interface design for intuitive navigation and ease of use.

Stretch Goals

1. Text reader
2. Filter for sorting the books (i.e. alphabetically, genre, chronologically, etc.)
3. E-book store where users can purchase books in the app

Project Timeline

Milestone 1 (basic functionality)
- Researching and identifying suitable APIs for accessing e-book content, considering factors such as availability, documentation, and compatibility with the project requirements

- Implement a mockup of the app's interface, which includes basic functionality such as viewing the book covers
- Create functionality to open the books and view the corresponding pdf

Milestone 2

- Add recently added section and categories section in home page
- A bottom tab with functional icons for the home screen, explore page, and settings
- A settings page with help (FAQs) and a section for adjusting appearance and features

Milestone 3 (stretch)

- The minimal features will be fully implemented and nicely deployed
- At this point, we will begin our stretch goals
  - Text-to-speech text reader
  - Filter
    - Provide options for different filters:
      - Alphabetically ordered
      - Chronologically ordered
      - Date added ordered
  - E-book Store
    - Integration of online e-book store for easy purchasing and downloading of new tiles
    - A new icon will be added to the tab to view purchases

Final Submission

All our minimal goals will be fully implemented and functions, as well as our stretch goals. We will create a demo for the app.