

Mobile App Development  
Tiffani Singleton  
Ryan Boupheing  
Louis Henry  
April 18, 2025

#### Proposed Group Members

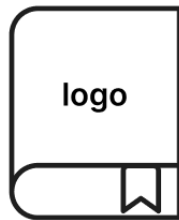
- Tiffani Singleton
- Ryan Boupheing

#### Project Summary

- We are developing a book app for android using Flutter that will serve as an interactive platform for readers. The app will allow users to search for books based on titles, authors, or genres, and view detailed information about each book. Users will also be able to create and manage custom reading lists to help them track their reading progress.
- In addition to book management features, the app will include a community-driven message board where users can participate in discussions about specific books, genres, or literary topics. This feature will foster a sense of community and encourage thoughtful conversations among users who share similar reading interests.
- To support our functionalities, we will use Firebase for the backend. Firebase Firestore will be used for database management. Firebase Authentication will handle user login and registration, while Firebase Cloud Messaging will facilitate messaging.

#### Mockups

## Home Page



Welcome User!

 My Reading Lists

 Search

 Message Boards

Android Compact - 1

Search

Keyword

x

Popular

Banned Book List

Springtime

BookTok

Recent

Zora Neale























French Cooking

Atomic Habits

Space Odessy

Android Compact - 2

"Banned Book List"

	Title	Author	
	Title	Author	
	Title	Author	
	Title	Author	
	Title	Author	
	Title	Author	
	Title	Author	
	Title	Author	
	Title	Author	
	Title	Author	
	Title	Author	

Reading List

To Read

	Book Title	Author	
	Book Title	Author	
	Book Title	Author	
	Book Title	Author	
	Book Title	Author	
	Book Title	Author	
	Book Title	Author	
	Book Title	Author	

In Progress

	Book Title	Author	
	Book Title	Author	

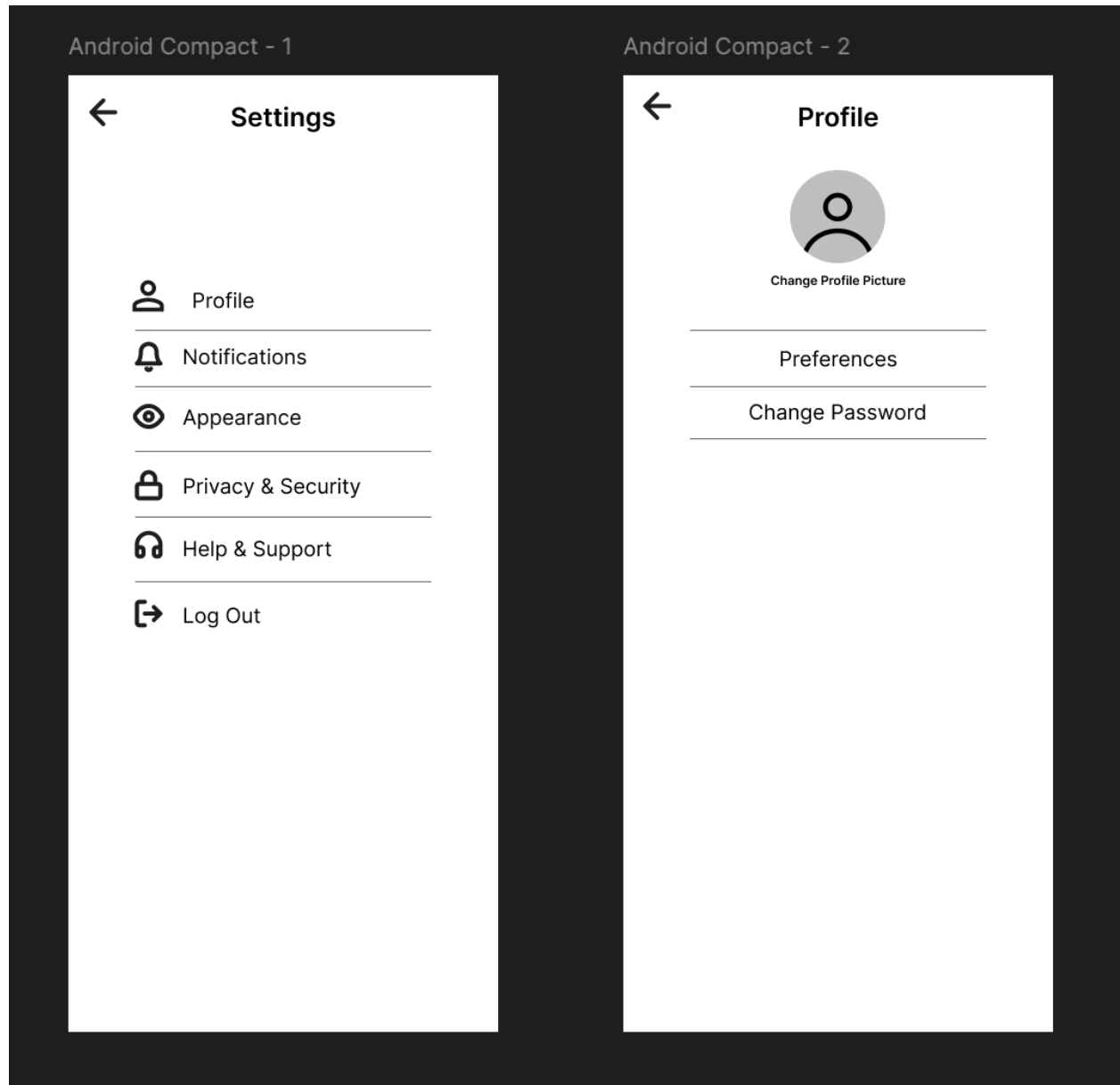
Book Title

Author

Genre

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts. Separated they live in Bookmarksgrove right at the coast of the Semantics, a large language ocean. A small river named Duden flows by their place and supplies it with the necessary regelialia. ...





#### Proposed AI

- Google Books API - We will use this to gather information about books.
- OpenAI API - We will use this to possibly summarize or analyze information about a book..

#### Github Link

- <https://github.com/TJs87474/Book-app-Project-2>

Statement:

We, the undersigned members of the group, acknowledge that we understand the conditions outlined in this proposal. We are committed to actively participating in the implementation of the group project from start to finish. We understand that individual grades may vary based on our contributions and performance, and we agree to present an important phase of the work collectively.

Signed proposal:

Name: Tiffani Singleton

Name: Ryan Boupheng

This proposal delineates our strategy for crafting an engaging interactive website, emphasizing the utilization of Flutter to orchestrate captivating user experiences. We contend that this initiative resonates deeply with the core tenets of the Flutter framework, particularly its focus on seamless UI development, widget-based architecture, and expressive animations. By harnessing Flutter's robust capabilities, including its rich widget library, reactive framework, and hot reload feature, we aim to deliver an immersive digital platform that seamlessly integrates visually stunning designs with fluid user interactions. We are enthusiastic about the prospects of this endeavor and are eager to embark on this journey to materialize our vision.