

Team Name: ASK 4 Solutions

Team Members: Axel Fernandes-Spencer, Sebastian Oquendo, Kevin Andrade

Business Opportunity/Problem:

- **Opportunity:** Creating a means to organize and track books for a personal library.
- **Problem:** Lack of efficient tools to manage personal book collections, leading to disorganization and difficulty in tracking reading progress and preferences.

Users:

People who enjoy reading books and have basic knowledge of using mobile applications.

High Level User Requirements:

- Ability to scan books
- Search functionality (by title, author, genre, ISBN)
- Adding books to favorites
- Managing the status of books (e.g., not read, reread, read, in progress, did not finish, etc.)
- Managing personal ratings for books
- Managing formats (e.g., paperback, ebook, etc.)
- Landing page featuring recommended books

Technology that will be used:

- ReactNative: For building a cross-platform mobile application.
- CSS: For styling the user interface components.
- MySQL: For storing user and book data in a relational database.
- Book API: To fetch book information such as title, author, and genre.

High Level Database Architecture:

- **User Table:**
 - Fields: UserID, Username, Password, Email, etc.

- **Bookshelf Table:**
 - Fields: BookID, UserID, Title, Author, Genre, ISBN, Status, Rating, Format, etc.
- **Relationships:**
 - One user to many books