Case Study - React Native Book Explorer App

Background

Our company is working on a mobile app that allows users to explore information about books and ratings. The app should be developed using React Native and integrate with public APIs to fetch book-related data.

Requirements - Use TypeScript and Expo

1. Book Information:
   - Utilize the [Open Library API](#) or [Google Books API](#) to fetch and display details about books.
   - Include information such as book title, author, publication year, and cover image.

2. User Ratings:
   - Integrate a book rating API (e.g.,NYTimes API) to display user ratings and reviews for each book.

3. Search Functionality:
   - Implement a search feature that allows users to search for books and authors.
   - Display search results dynamically as the user types.

4. Error Handling:
   - Implement proper error handling for API requests.
   - Display meaningful error messages to the user in case of issues.

5. Testing:
   - Write unit tests for critical components.
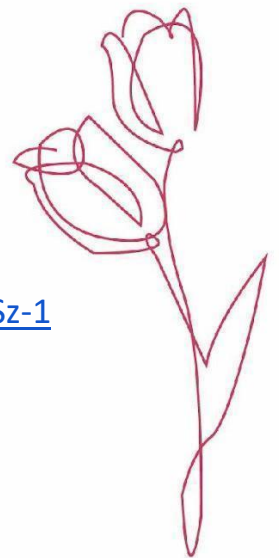   - Ensure the app works seamlessly on Android devices.

Figma Design:
https://www.figma.com/file/3zSEzuEqeAdjnsYTEzPrYE/Book-Explorer-App?type=design&node-id=0%3A1&mode=design&t=dvmXe4VkWfXhxRSz-1

Deliverables
   ● GitHub repository with well-organized and documented code.
   ● README documentation explaining the project setup and usage.
   ● Video recording to demonstrate the app's functionality
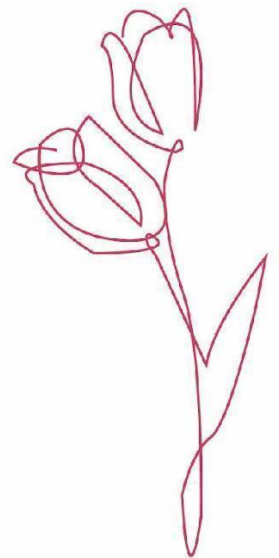   ● Apk that we can install and test at our end

Contact info

Evaluation Criteria
- Effective use of React Native for cross-platform development.
- Seamless integration with book listing and review APIs.
- Implementation of features like search and user ratings.
- Code quality, readability, and testing coverage.

Submission and Evaluation
Submit your response on this email ali.raza@shadiyana.pk till **23rd February, 2026 (11.59 pm).**
Please submit them in a clear and concise manner. Any responses that appear to be generated by ChatGPT or other AI tools will not be considered.