



**EAST WEST UNIVERSITY**

# **Project Report**

**E-Book App**

**Course:** CSE489 (Mobile Application Development)

**Section:** 1

**Semester:** Spring 2024

**Submitted By:** Group-2

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**Submission Date:** 01-04-2024

**Submitted To:**

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# Introduction

Welcome to our E-book application, designed to redefine your reading experience and make accessing literature more convenient and enjoyable than ever before. Our app aims to bring the world of literature to your fingertips, anytime and anywhere.

## Motivation

The motivation behind our app arises from a passion for literature and a desire to make it more accessible to everyone. We understand the struggles of modern life, where hectic schedules and constant distractions often make it difficult to find the time to indulge in reading. But we believe that literature has the power to enrich our lives, broaden our horizons, and ignite our imaginations. That's why we are proposing this app – that will inspire and empower readers to explore new worlds, learn new things, and escape into the realms of imagination, no matter where they are or how busy their lives may be.

## Benefits and Usage

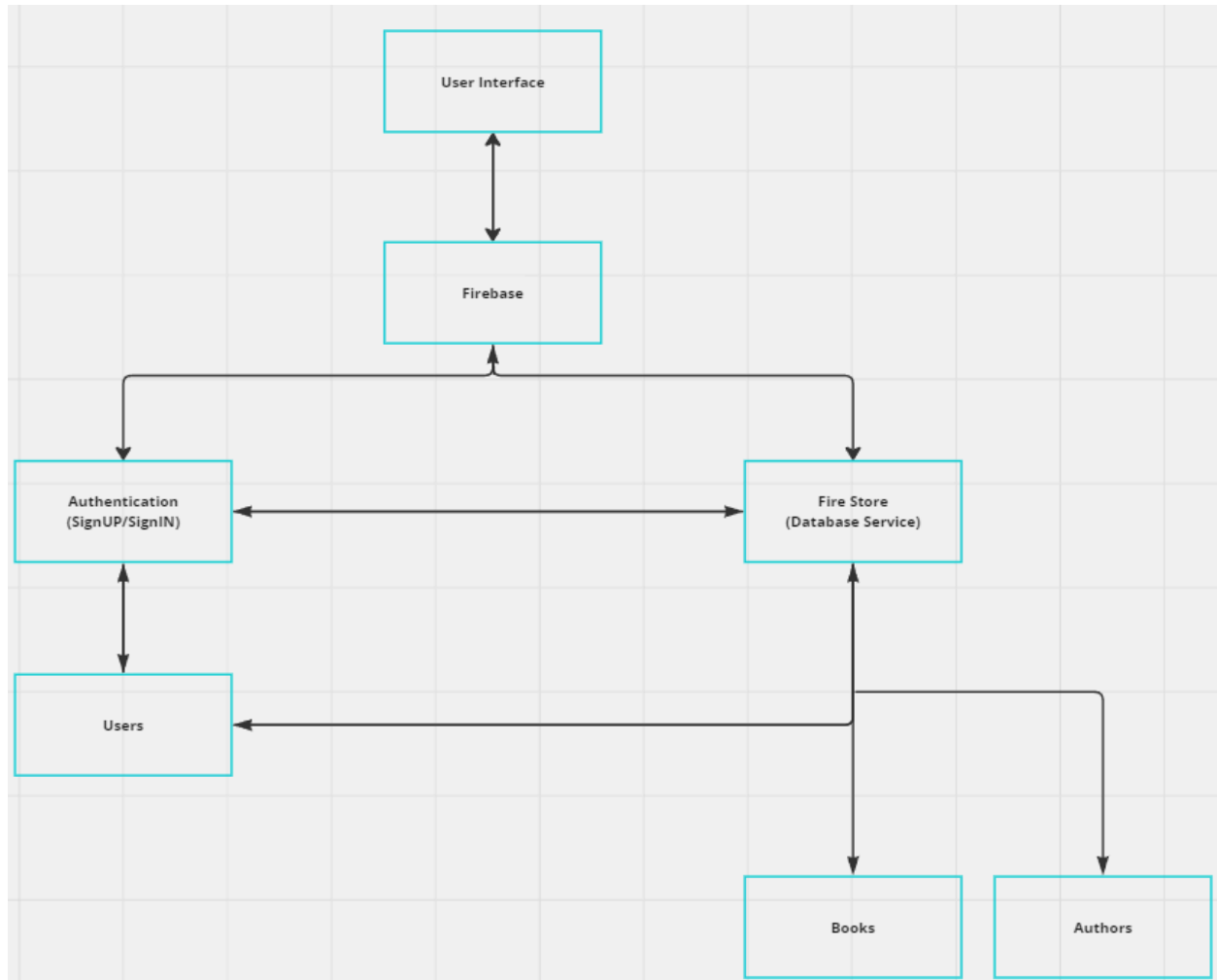
With our app, you'll enjoy a range of benefits that enhance your reading experience in ways you never thought possible. Here are just a few:

**1.Access to a Vast Library:** Our app grants you access to an extensive library of e-books spanning various genres, whether you're into fiction or non-fiction, you'll find something to suit your tastes.

**2.Convenience and Portability:** Our app allows you to carry thousands of books with you wherever you go, so you can indulge in reading during your daily commute, while waiting in line, or even in the comfort of your own bed.

# App Overview

Below is the block diagram of the eBook app, it focuses on the key interactions between the user interface, Firebase services.



- 1. User Interface (UI):** The UI sends user requests to Firebase and receives data and responses, ensuring real-time updates and interactions for logging in, browsing books.

2. **Firebase:** Manages all communications between the UI and the various functionalities (authentication, data storage).
3. **Authentication:** Handles the two-way process of authenticating users, verifying credentials, and returning user profile information.
4. **Firestore:** Manages collections such as user profiles, book data, premium membership status with two-way data flow for storing and retrieving information in real-time.
5. **User Profiles:** Stores and updates user-specific data, allowing the app to personalize the user experience based on their profile and preferences.
6. **Books And Authors:** Contains and updates data about authors and books available in the app, providing content for browsing and reading.

# Business Model: Subscription

## Advantages:

- Steady Revenue Stream: Provides predictable, recurring income and encourages customer retention.
- Continuous Content Access: Users enjoy a vast library of eBooks for a flat monthly fee, promoting exploration and diverse content consumption.
- Enhanced User Experience: Offers seamless access and premium features like offline reading and personalized recommendations.
- Data Insights and Personalization: Collects data on reading habits to deliver tailored recommendations and improve content curation.
- Marketing and Promotions: Facilitates free trials, discounts, and incentives to attract and retain users.

## Disadvantages:

- User Acquisition and Retention Challenges: Convincing users to commit to recurring payments

- Content Licensing Costs: High investment in content acquisition and complex negotiations with publishers.
- Market Competition: Intense competition from established players requires continuous investment in features and marketing.
- Customer Expectations: High expectations for ongoing value and premium features.
- Operational Costs: Maintaining robust infrastructure and providing customer support.

# Usability

## Limitations:

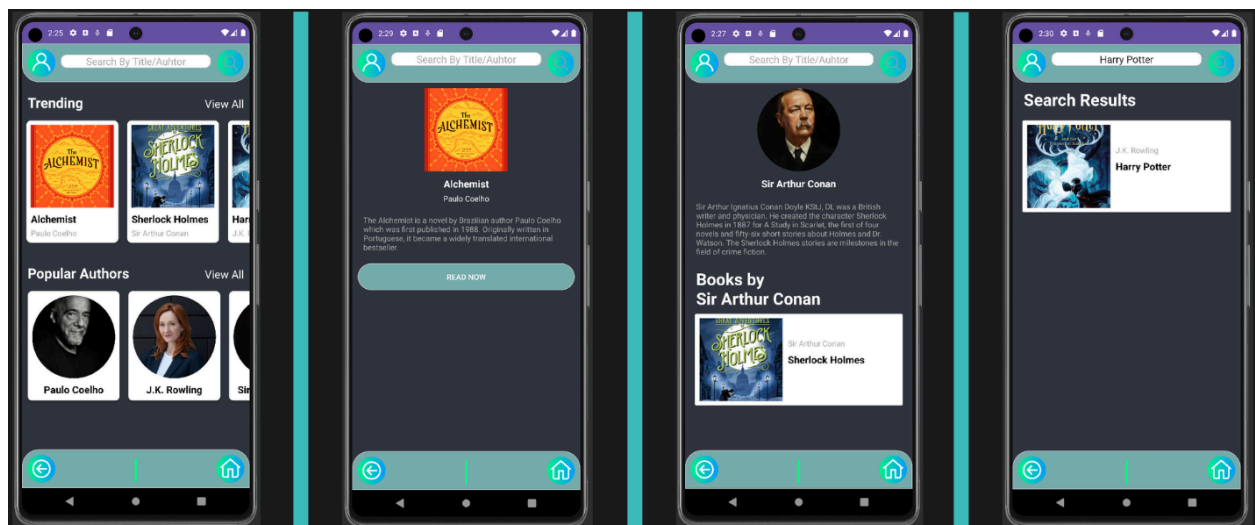
- Content Availability: Content Licensing is not done yet.
- Performance Issues and Bugs: Occasional slow load times and stability issues.
- User Engagement: Limited engagement features beyond basic reading.
- Lack of Recommendation System: Not enough data for the recommendation generation.

## Future Plans:

- Expanding Content Library: Partnering with publishers to increase book selection.
- Performance Improvements and Bug Fixes: Optimizing app performance and enhancing stability.

- Enhanced Personalization: Using AI for accurate recommendations.
- Increased User Engagement: Adding more interactive features.
- Accessibility Enhancements: Implementing robust accessibility features and meeting international standards.

## Screenshots





## Conclusion

Our eBook app effectively leverages the subscription model to deliver continuous content access and a personalized reading experience. By addressing current limitations and implementing strategic future plans, we aim to position our app for growth and sustained user engagement, providing a valuable tool for avid readers.

## Work Responsibilities

Fahamidul Hasan (2018-3-60-089)	Tanjela Rahman Rosni (2020-1-60-018)
Implementation of the App	Wireframing, Bug Testing, Designing Diagrams and presentations slides as well as writing the report.