

# Prerequisite Document

**Title:** Online Book App

## Problem Statement

Traditional methods of purchasing or accessing books often require physical presence or navigating multiple platforms, making it inconvenient for users to discover and access a wide range of books. The need arises for a comprehensive, user-friendly digital platform to browse, purchase, and read books efficiently.

## Description

The app is built using Flutter, offering a solution to access a variety of books, manage personal collections, and make purchases with ease.

## Technology Stack

- **Frontend:** Flutter
- **Additional libraries, providers**

## Features

1. **User Authentication**
  - Secure login and logout using **Firebase Authentication**
  - Role-based access for administrators and users
2. **Book Browsing and Purchasing**
  - Search and browse books by genre, author, or title
  - Add books to cart and make secure purchases
3. **Reading Dashboard**
  - Access purchased books and manage personal library
  - Read books directly within the app using an inbuilt reader
4. **Wishlist and Recommendations**
  - Save books to a wishlist for future purchases
  - Get personalized book recommendations based on user preferences
5. **Offline Access**
  - Download books to read offline
  - Sync reading progress across devices

## Conclusion

The Online Book App provides a seamless and efficient platform for book lovers to explore, purchase, and read books digitally. By integrating robust features such as personalized recommendations, offline access, and a user-friendly interface, the app addresses the challenges of traditional book accessibility and enhances the overall reading experience.