



**ULAB**  
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**Course Title:** Smartphone Development Application

**Section:** 01

**Report on:** Smarter Reading

**Submitted By:**

Name	ID
Raisa Ahmed Farhin Shifa	201014009
Kaniz Amena Anjona	201014025
Nayla Muqim	201014100

**Submitted To:**

Sakib Mahmud Dipto

Lecturer

Department of Computer Science and Engineering (CSE)  
University of Liberal Art Bangladesh, Dhaka

# **Software Requirements Specification (SRS)**

## **1. Introduction**

### **1.1 Purpose:**

The name of our Book search app is SMARTER READING. The purpose of our book search app is that - A book search app helps users discover and locate books based on various criteria such as title, author, genre, or keywords. It facilitates efficient searching across a vast database of books, making it easier for readers to find specific titles or explore new ones. Additionally, these apps may provide details like reviews, ratings, and availability, enhancing the overall book exploration and selection process. Besides, it is also cost effective and less time consuming.

### **1.2 Scope:**

The scope of our SMARTER READING app is that it typically involves providing users with a platform to search for, discover, and access information about various books. This can include features such as book recommendations, reviews, author details, and the ability to purchase or download free books. Moreover, some apps may incorporate social features, allowing users to share their reading preferences and connect with others. The scope can vary, encompassing everything from a basic search functionality to more advanced features like personalized recommendations based on user preferences and reading history.

## **2. Functional Requirements**

### **2.1 Log in**

The user login page in our book search app "Smarter Reading" is typically where users enter their credentials, such as username and password, or they can also login with their email addresses to access personalized features like saved book lists, search for new book updates, preferences, or account settings. It ensures secure access to individual user accounts and allows for an interactive experience within the app. The system will function without issue once you login in our app, thanks to the simplified procedure.

## **2.2 Home page:**

The homepage of our book search app typically features a search bar importantly, allowing users to search for books. It may also include layout book recommendations, featured genres, and navigation options to browse different categories. Our well-designed book search app homepage also often includes sections for trending books, new releases, and personalized recommendations based on the user's preferences or search history. Our goal is to provide a user-friendly interface that encourages exploration and discovery of books.

## **2.3 Category:**

The category page in our book search app organizes books into specific genres or topics. Users can explore various genres such as academic, horror, comedy, liberty, fiction, non-fiction, mystery, romance, science fiction, and more. This helps users narrow down their search and discover books within their preferred genres or areas of interest. It's a way to efficiently browse and find books that align with specific themes or genres.

## **2.4 Free book page:**

The free book page in our book search app typically displays books that are available for free. These could be public books, promotional offers, or books made available for free by authors or publishers. It's a convenient way to discover and access books without any cost in our book search app.

## **2.5 Purchase page:**

The purchase system in a book search app typically refers to the functionality that allows users to buy or acquire books directly through the application. This system may involve integrating with online bookstores, facilitating secure payment transactions, and providing users with options to browse, select, and purchase books seamlessly within the app. Additionally completing the transaction through the app such as Bkash, Nagad, credit/debit cards and get their desired books in their purchased books category and can print it if they want to.

## **2.6 Search bar:**

A search bar in a book search app is a user interface element that allows users to input text queries and search for specific books or information within the app's database. Users can type keywords, book titles, author names, or any relevant terms into the search bar. When a search query is submitted, the app processes the input and retrieves relevant results from its book database, displaying them to the user.

## **2.7 Notification bar:**

The notifications bar serves as a convenient way for users to stay informed and engaged with the app's content and features without actively using the application. Users can typically access these notifications by tapping on the notifications icon or by pulling down the notifications panel within the app's interface such as updates on books availability, recommendations, transaction status, reminders, app updates

## **2.8 Profile:**

Our user profile page in book search app typically contains information about the user's account. This can include details such as the user's name, reading preferences, favorite genres, downloaded books, purchased books and a history of books they have read or marked as "my-wishlist." Besides, it might display ratings, notifications or reading statistics. The user profile is a personalized space where individuals can manage their preferences within our book search app.

## **3. Non-Functional Requirements**

### **3.1 Performance:**

- The system responds quickly.
- The tool for altering clothing must provide a responsive and enjoyable user experience.

### **3.2 Security:**

- Passwords for users are entirely secure.
- The system encrypted sensitive data and user accounts.

### **3.3 Usability:**

- The usability of our book search app refers to how easily and simultaneously users can interact with and navigate the app to find the books they're looking for.
- Regular updates and responsiveness to user feedback also contribute to improved usability over time.

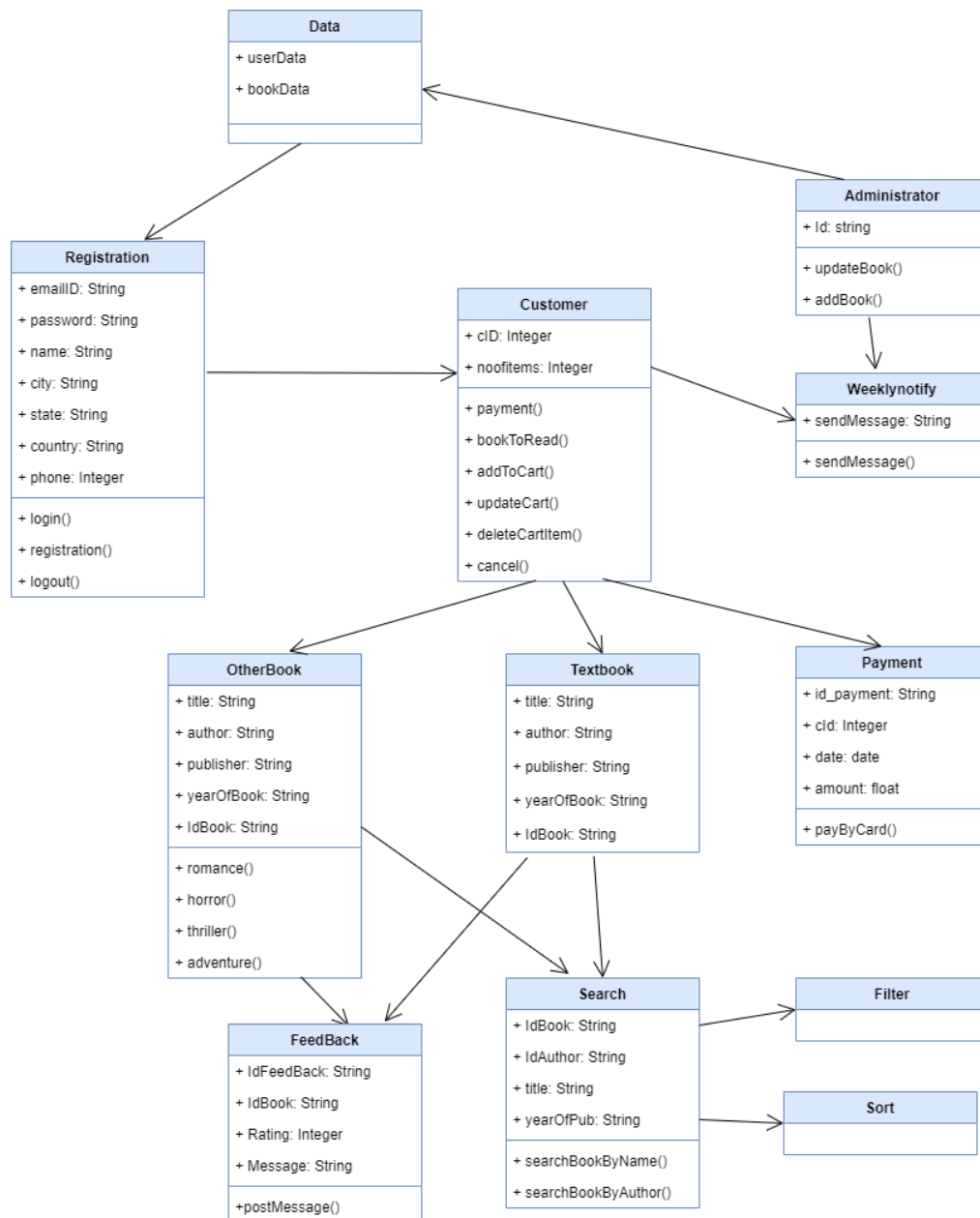
### **3.4 Scalability:**

- Our book search app scalability is that a lot of users should be able to use the system without any issues.
- The scalability of our app will maintain performance and responsiveness even when there is a significant increase in the number of users searching for books or accessing the application concurrently.

## 4. Constraints:

- It is an android application.
- The system should be developed by flutter.

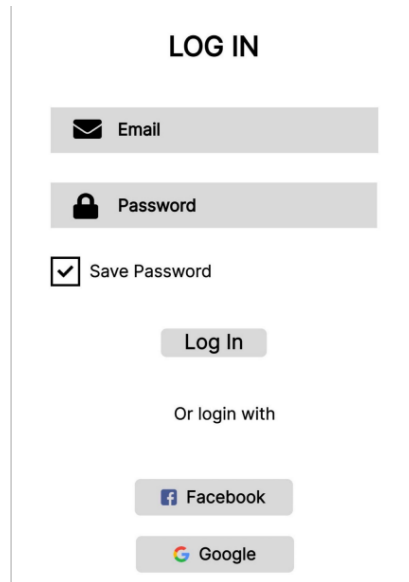
## Class Diagram:



## Demo:

### Log In:

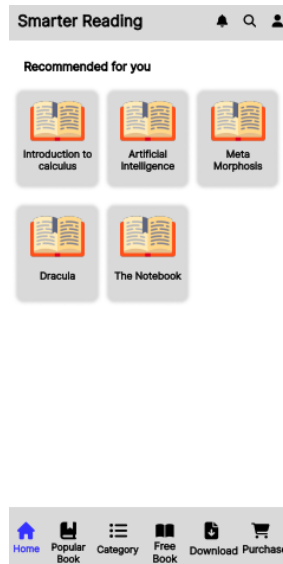
When the app launches, the login page first appears. Users must enter their email address and password to log in. Users can display the home page after logging in.



The login page is titled "LOG IN" in bold black text. It features two input fields: "Email" with an envelope icon and "Password" with a lock icon. Below these is a checkbox labeled "Save Password" which is checked. A "Log In" button is centered below the checkbox. Underneath the button is the text "Or login with". At the bottom, there are two buttons: "Facebook" with the Facebook logo and "Google" with the Google logo.

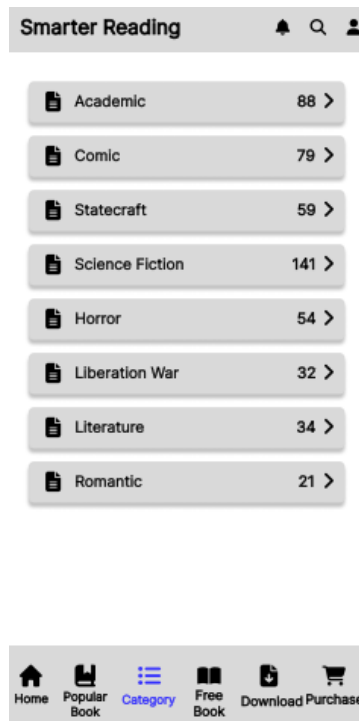
### Home:

Book search app homepage will show the sections for trending books, new releases, and personalized recommendations based on the user's preferences.



## Category:

The category page in the book search app organizes books into specific genres or topics.



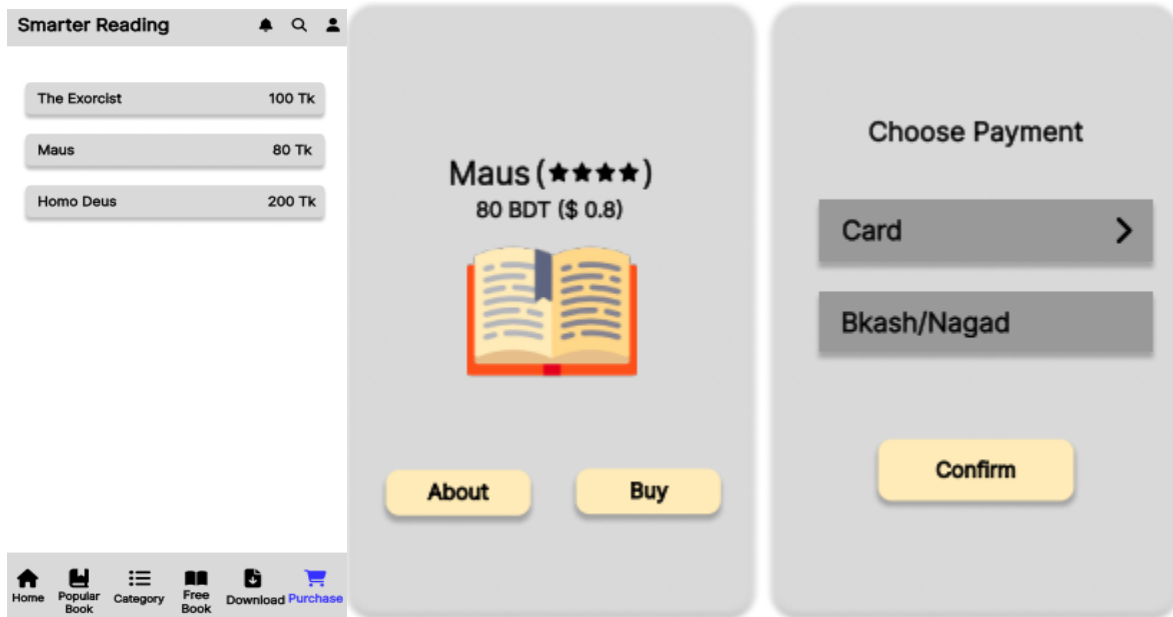
## Free books:

The free book page in the book search app typically displays books that are available for free.



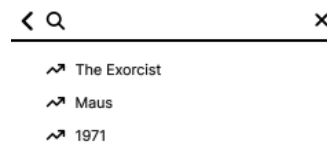
### Purchase page:

It refers to the functionality that allows users to buy or acquire books directly through the application.



### Search bar:

In the app users can search the book by the books name and that will be saved in the history.





### Profile:

Book search app contains information about the user's account include details such as the user's name, reading preferences, favorite genres, downloaded books, purchased books and a history of books.



### Notification bar:

The notifications bar serves as a convenient way for users to stay informed and engaged with the app's content and features without actively using the application.

Today's uploaded book.

Id:23590 rated the Maus book.