BOOK LAND

Group Members

1. **Name**: Md. Sakib Ahmed

Id: 180042120

2. **Name:** Fatema-tuz-zohora Sananda

Id: 180042124

3. **Name:** Md. Aseer Intiser

Id: 180042128

Identifying Stakeholders:

Student of IUT : The main stakeholders and target audience of our application would be the students of Islamic University of Technology (IUT).

Business Value:

When it comes to selling items that are found in book stores, there can indeed be a wide range of available customers. But as mentioned above, our target market will be restricted to just a group of people. One thing is certain; we will ensure that we only retail quality and affordable items in our book store.

In view of that, we have positioned our book store to give service to the students of Islamic University of Technology (IUT). We have conducted our market research and we have ideas of what our target market would be expecting from us. When the books will be delivered through us, we will keep some profits as a delivery charge.

Existing Solutions:

Our application has some existing solutions such as 'Rokomari', 'BoiBazar', 'eBoighar'. But those solutions are mainly focused on delivering the books throughout the whole country where our application is designed especially for the students of Islamic University of Technology (IUT). It will be beneficial for them to get the delivery in short time.

Defining the Problem:

Usually in every semester we need to buy some books which we don't need after that particular semester. So, we thought to make an android app by which people can sell their books, and others can buy those books if they need. Besides, the academic books, the story books are also included.

In some cases, required books are not available in IUT library. Also, sometimes it is difficult for the girls living in IUT dormitory to go outside and buy their necessary books from physical bookstore. In this method time as well as physical work is required, among which time is something that no one has an ample amount. That is why we have come with this idea where people can order the books which they want and even they do not need to bother about the location and do not worry about picking it up from the store. This system will help them to get the book from the store to their home just by a single click. We can also make the payment after delivery of the book which will make our customers feel safe regarding their money.

List of Customers:

At first, we are providing the service int the IUT campus, so the customers and users will only be the the students of Islamic University of Technology (IUT). There will be two roles among the customers. We, the admins, will contact with two halves of our users. First ones will be the buyers, and the other ones will be the sellers. The admins will contact with the buyers so that they can confirm which books to buy, delivery place, time and the other necessary information. The sellers will be communicated to maintain the collection of books. According to their additions, the admin panel will add the books to the catalogue.

Technical Environment:

- · Android Studio: To build the whole application.
- · Firebase: To add the database section in the application.
- · Adobe XD: To work on the UI/UX section of the application.

Domain Constraints/ Limitations:

As ours is an android platform-based application, it will not support in Windows, Linux, iOS or any other cross-platform. The system should have up to 1 GB ram minimum requirement for the application. The application should be installed on the system. Internet Connectivity is must for this purpose.

Admin & Users Functionalities:

First ones will be the buyers, and the other ones will be the sellers.

Admin will use this application to give access to the person who wants to purchase books and make a contribution by selling old books, the even admin will add new data regarding books so that the user can easily access it and purchase the books on demand. Whenever you want to purchase or sell the book you just need to send the request to the admin and he will approve your request by looking to the requirement and information provided by you at the location or contact number. The admins will also contact with the buyers so that they can confirm which books to buy, delivery place, time etc.

The sellers will be communicated to maintain the collection of books. According to their additions, the admin panel will add the books to the catalogue.

Moreover, the user can also upload his data related to his personal information such as name, sex, age, writers and kind of books we like to read such as textbook, romantic, drama, comedy or an autobiography.

Customers can check new information related to books through the application which will motivate them and all these things would be uploaded from the Admin's end.

Usage Scenario:

The book store has three kinds of users: a admin, a seller and a buyer. The admin will control the whole system. He/she can accept the request of the seller and confirm the order of a buyer.

Every user needs to be authenticated to enter into the system with a valid phone number. He/she needs to provide some information during registration

- · User's full Name
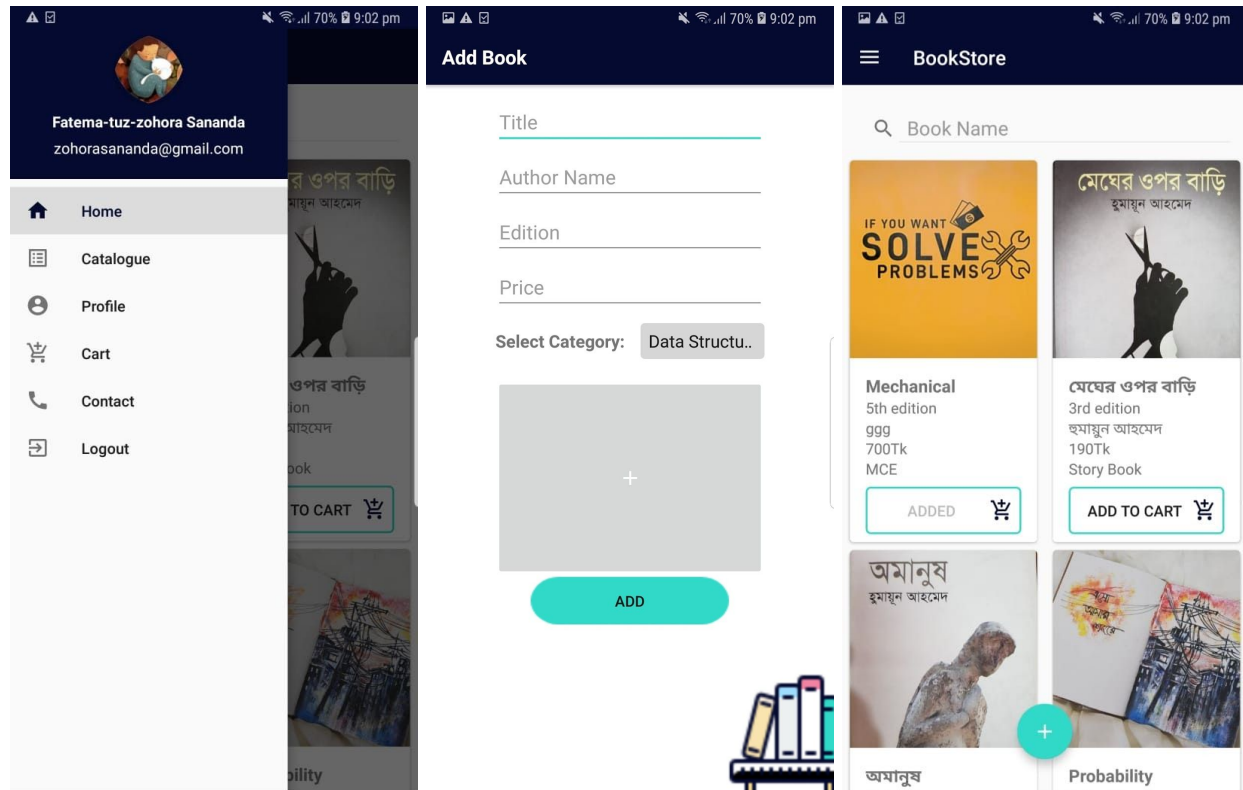
- · User's valid phone number

After registration, if a user wants to sell a book he/she will go to the add section and provide some information like

- · Book's Name

- · Author's Name

- · Book's Edition
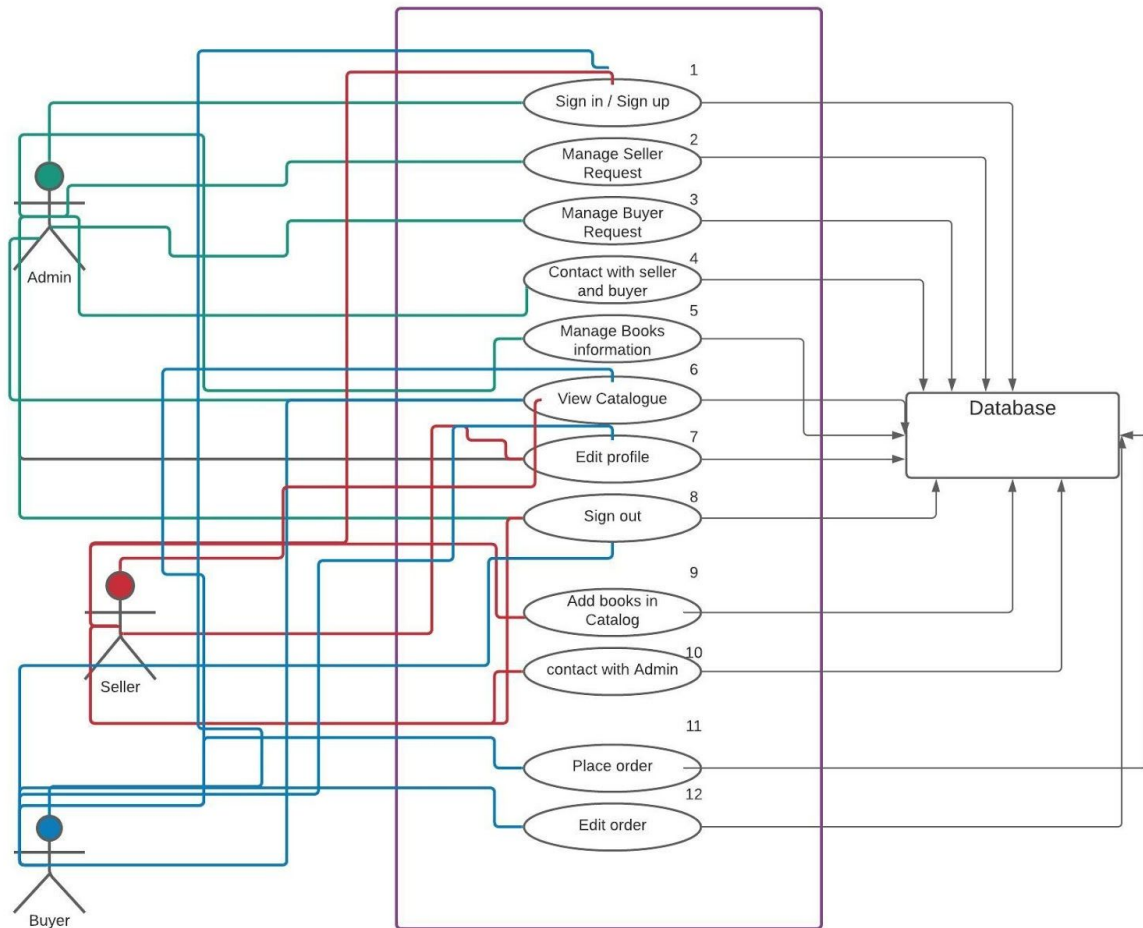
- · Selling Price

- · A photograph of the cover page

By confirming these a request will be sent to the admin and admin will add that book in the catalogue by checking all the information.

On the other hand, if a user wants to buy a book he/she will go to the catalogue section, choose their desired book and confirm it. After that the admin will confirm the order and contact with the buyer and seller for delivery.

App View :

Use Case Diagram:

Use Case Level 0