



Lend Indeed

Jatinderpal Singh (1896383)

Sahil Sachdeva(1896477)

Jatinder Singh Mann(1896568)

Arshpreet Kaur Sidhu(1894834)

Gagandeep Kaur(1896910)

MAD-314

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Introduction

1.Introduction

The purpose of this project is to create an Android Mobile Application which will help the students (who will be the user of our application) to borrow the items such as Books, Computers, laptops, etc. Students and Admin will be the primary users of our application.

Admin and Students both have their own login access and both have their own different dashboards and features. The purpose of this documentation is to define the overall project specification as well as the general direction of the prototype development. In this case, the targeted readers of the document are the stakeholders, who are interested in the utilization of the application as well as the developers that will be creating the application.

PROJECT DESCRIPTION

2. Project Description

The Lend System Application is built to let the student find the items and borrow it according to their desire. The application is being developed on Android Studio using java language. Xml files are also used just to design for application. For connectivity, we will use a firebase database to store the information and data into it.

Throughout the application development, we will use Scrum Agile and also use Github. We will divide into four sprints and the time period of each sprint will be two weeks. After two weeks, we will present the progress to our coordinator and get feedback from them.

2.1 Planned Sprint Timeline

Sprints	Start Date	End Date
1	05-05-2020	24-05-2020
2	25-05-2020	07-06-2020
3	08-06-2020	28-06-2020
4	29-06-2020	14-07-2020

Requirements

3. Requirements

3.1. Functional Requirements:

ID	Description	Comments
F01	The application must have a Splash screen.	To show the logo.
F02	The application must have a Login screen and Sign-up page for both admins as well as for users.	To access the account for application and password must be greater than 8.
F03	The application must have a page where users can see their information like student id, total no of items, no of borrowed items, favorite.	To display information for students.
F04	The application must have a page to recover their password in case of forgetting the password.	To secure the account for users and admin.
F05	The user must get the notification like when will the items again be available if the item will be borrowed by someone but not see the name of the borrowed person.	To get updated with an application.
F06	The student can search for a particular item by filters like date, type, and request admin for a particular item.	A list of items will be displayed and filter out items.
F07	The application must have a page where the admin can manage all the data like a list of items and borrowed items and a list of students etc.	Allow them to manage and save data in files.
F08	The application must show the deadline of borrowed items in the student profile as well as administration data record.	Allow returning items before deadlines.

3.2 Non-functional Requirements:

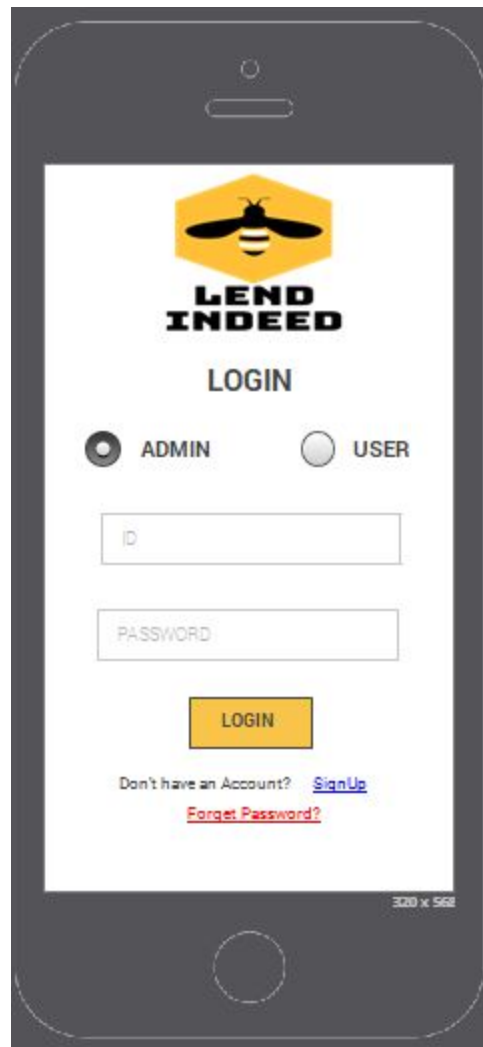
ID	Description	Comment
NFR-01	The user and admin confirm the email address to protect data from unauthorized users.	Other Operating System not covered
NFR-02	The users have their own Android Operating System.	Other operating must will not work
NFR-03	Internet connection is must before accessing application.	To avoid unnecessary charges
NFR-04	The system must logout automatically when the user or admin is no longer using an app.	For security
NFR-05	The system should be accessible by all the registered members.	Accessibility

MOCKUPS

7. Mockups



SPLASH PAGE



The image shows a mobile application interface for "LEND INDEED". At the top, there is a yellow hexagonal logo with a black bee inside. Below the logo, the text "LEND INDEED" is displayed in bold black letters. Underneath, the word "LOGIN" is centered. There are two radio buttons for user selection: "ADMIN" (selected) and "USER". Below these are two input fields labeled "ID" and "PASSWORD". A yellow "LOGIN" button is positioned below the input fields. At the bottom, there is a link "Don't have an Account? [Sign Up](#)" and a link "[Forget Password?](#)". The screen is framed by a dark grey border with rounded corners, and a small "320 x 568" label is visible in the bottom right corner.

LEND
INDEED

LOGIN

☒ ADMIN ☐ USER

ID

PASSWORD

LOGIN

Don't have an Account? [Sign Up](#)

[Forget Password?](#)

320 x 568

LOGIN PAGE

**LEND
INDEED**

SIGNUP

☐ ADMIN ☒ USER

ID

NAME

PHONE NUMBER

EMAIL

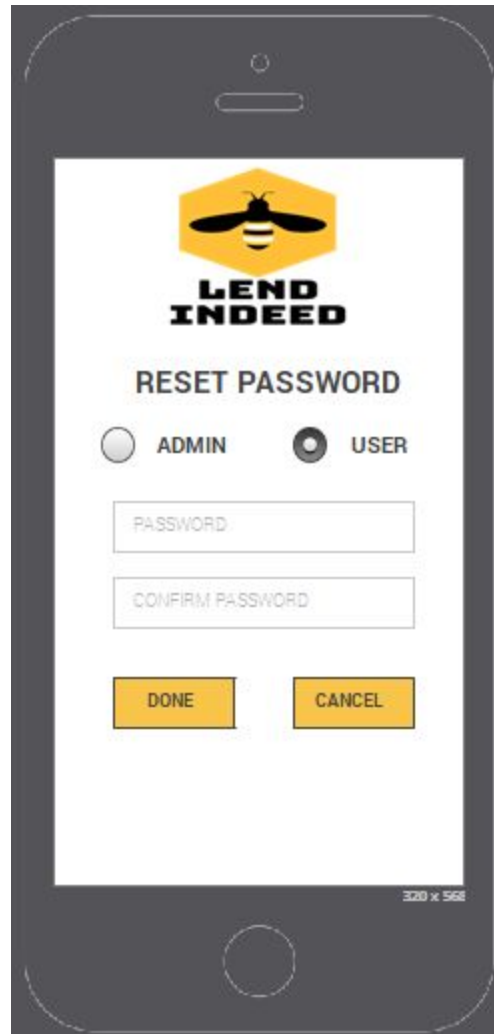
PASSWORD

CONFIRM PASSWORD

DONE CANCEL

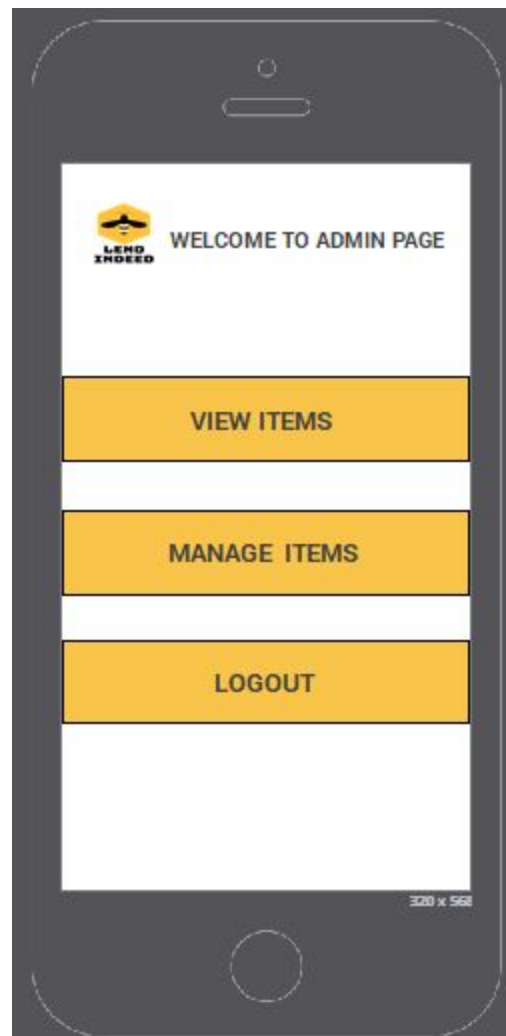
320 x 568

SIGNUP PAGE

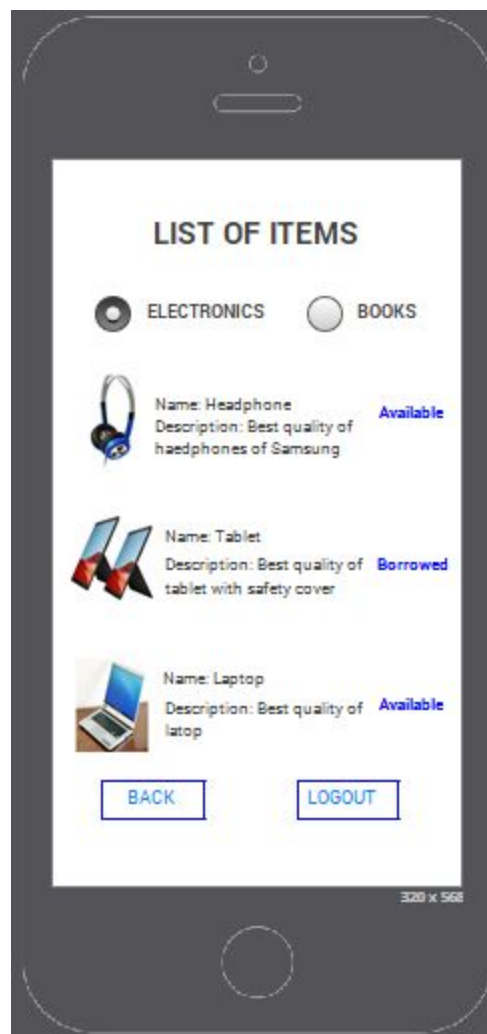


The image shows a mobile application interface for "LEND INDEED". At the top is a yellow hexagonal logo with a black bee. Below the logo, the text "LEND INDEED" is displayed in bold black letters. The main heading is "RESET PASSWORD". There are two radio button options: "ADMIN" (which is selected) and "USER". Below these are two text input fields labeled "PASSWORD" and "CONFIRM PASSWORD". At the bottom are two yellow buttons labeled "DONE" and "CANCEL". The entire interface is framed within a dark grey smartphone outline with a home button at the bottom. A small text "320 x 568" is visible in the bottom right corner of the screen area.

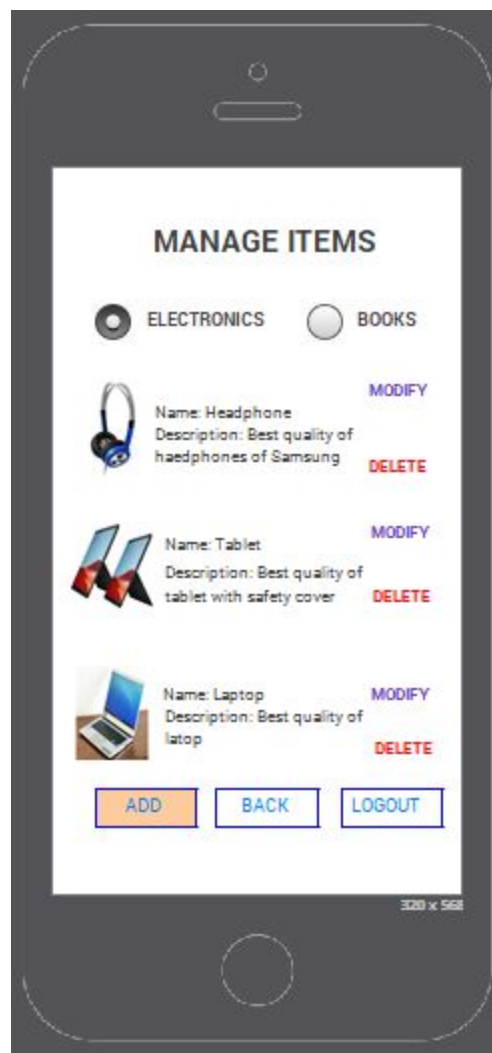
RESET PASSWORD PAGE



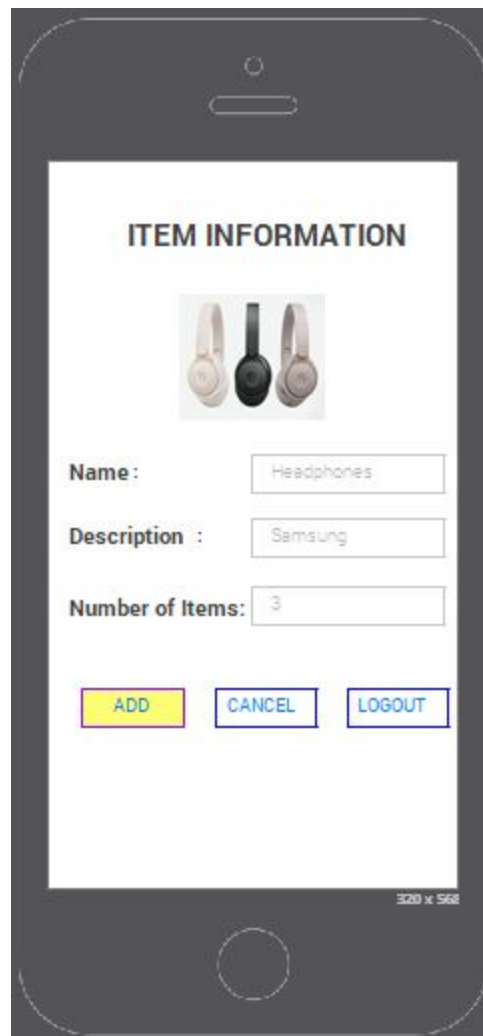
ADMIN PAGE



ADMIN CAN VIEW ITEMS




ADMIN CAN MANAGE ITEMS



A mobile application mockup for an 'ITEM INFORMATION' form. The form is displayed on a smartphone screen with a dark grey bezel. At the top of the screen, the title 'ITEM INFORMATION' is centered in bold black text. Below the title is a placeholder image showing three pairs of headphones in different colors (gold, black, and silver). The form contains three input fields: 'Name' with the value 'Headphones', 'Description' with the value 'Samsung', and 'Number of Items' with the value '3'. At the bottom of the form, there are three buttons: a yellow 'ADD' button, a blue 'CANCEL' button, and a blue 'LOGOUT' button. The screen resolution '320 x 568' is indicated in the bottom right corner of the mockup.

ITEM INFORMATION



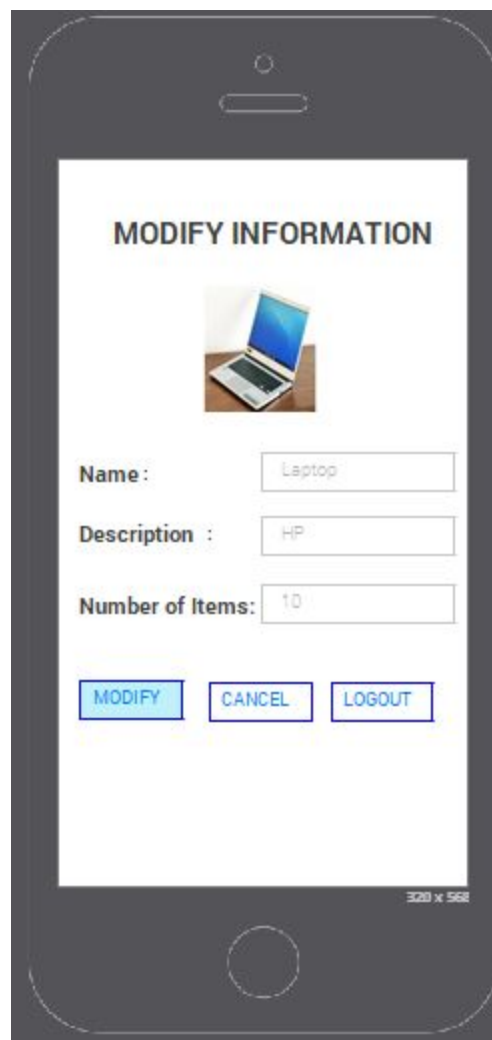
Name :

Description :


Number of Items:

320 x 568

ADMIN CAN ADD ITEMS



MODIFY INFORMATION



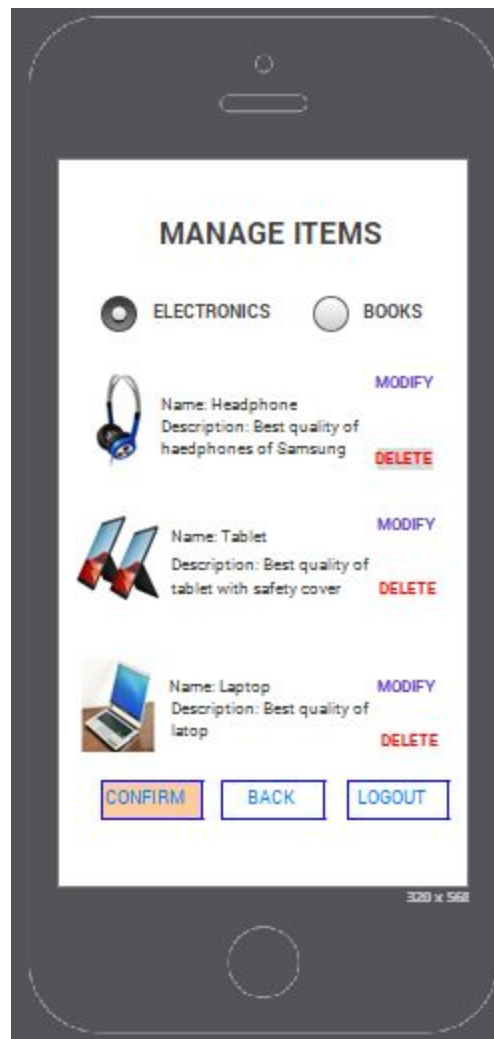
Name :

Description :

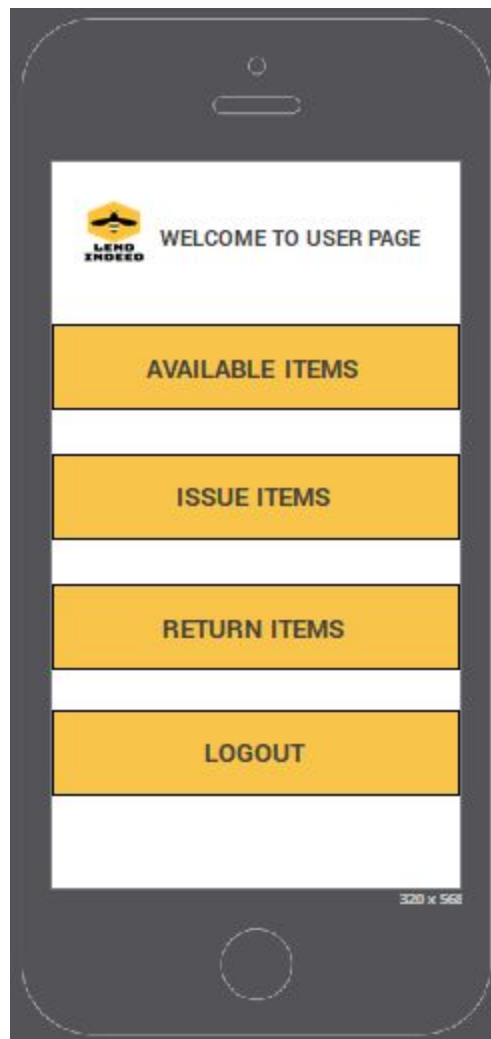
Number of Items:

320 x 568

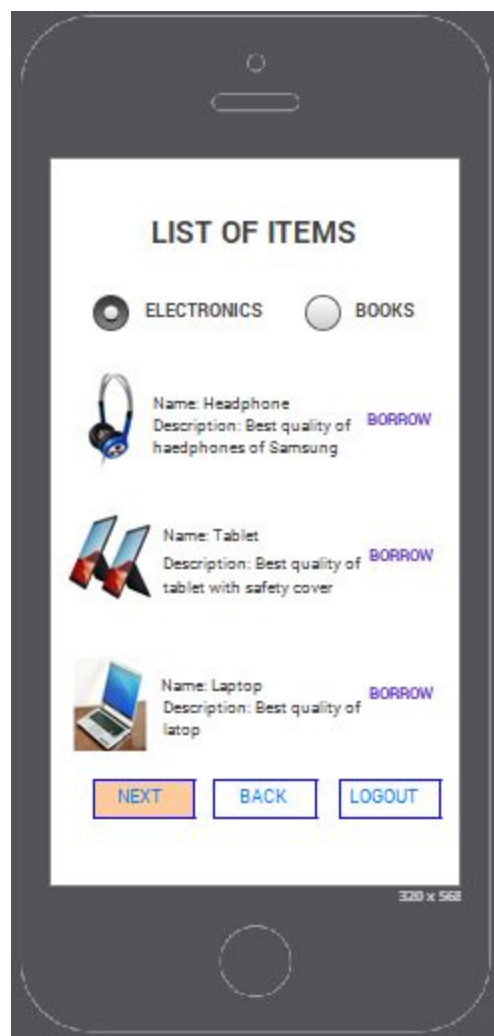
ADMIN CAN MODIFY ITEM



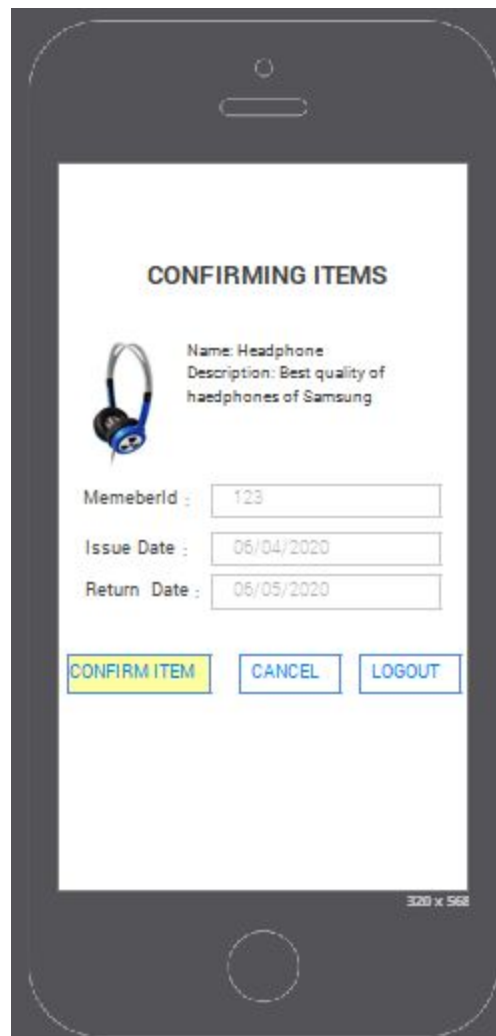
ADMIN CAN DELETE ITEM




USER PAGE



USER CAN SEE AVAILABLE ITEMS



CONFIRMING ITEMS

 Name: Headphone
Description: Best quality of haedphones of Samsung

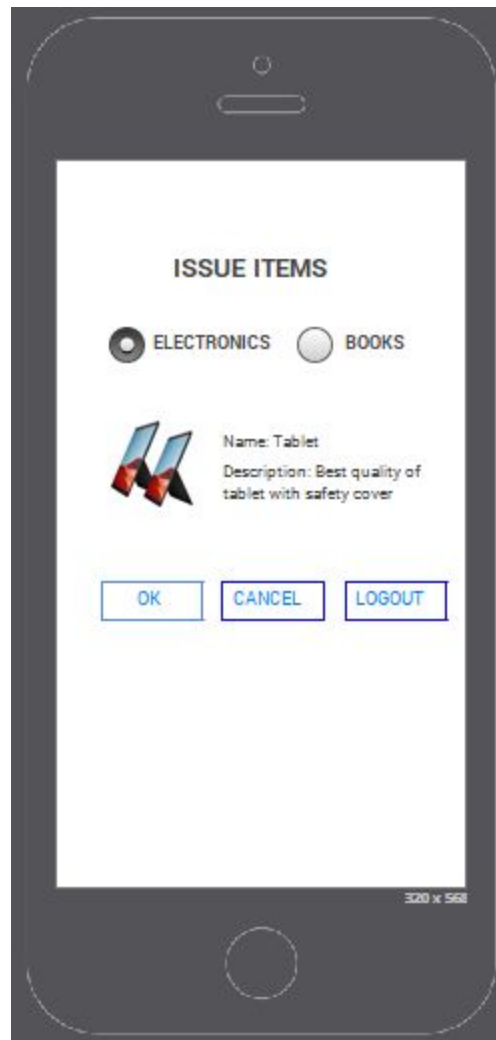
Memberid :

Issue Date :

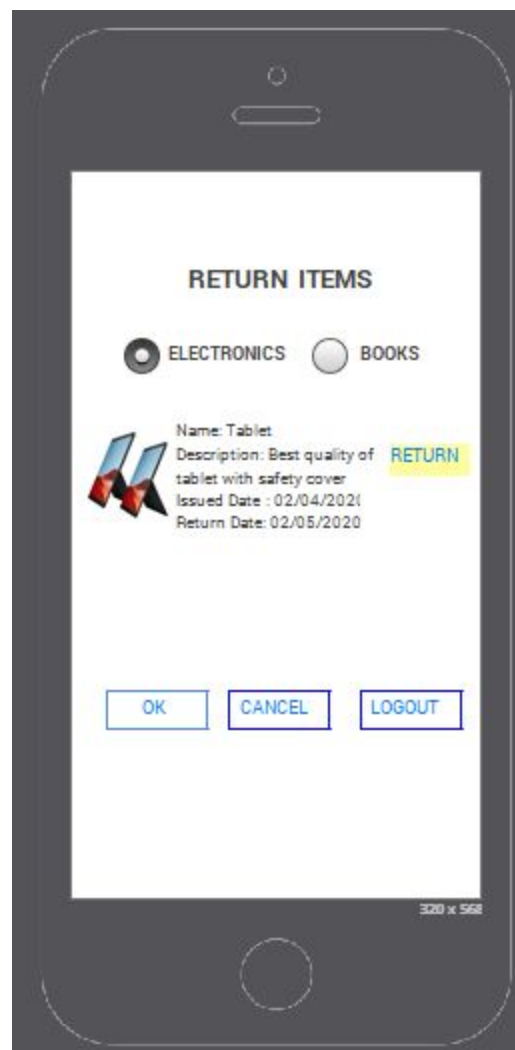
Return Date :

320 x 568

USER CONFIRMING ITEMS



USER CAN SEE ISSUED ITEM



USER CAN RETURN ITEMS