



UNIVERSITY OF SRI JAYEWARDENEPURA  
Faculty of Technology

Bachelor of Information and Communication Technology Honours Degree  
Year III Semester II Examination - 2020  
Mobile APP Report - ITC 3122 Mobile Application Development

Group 2

STUDENT NAME	INDEX NO
MEMBER I	ICT/17/836
MEMBER II	ICT/17/826
MEMBER III	ICT/17/830

## **Introduction & Background**

Nowadays, Due to the availability of large digital businesses like Amazon and Aliexpress throughout the world, local businesses are unable to survive. So they need a digital platform to list their products and sell the products via that portal.

## **Target Market**

Our target audience is those who are struggling a lot to market their products via traditional shops, who like to make online shops more than the traditional shops, and people who are trying to access their nearby and regional shops digitally.

## **Our Solution**

The NearBuy App is a portal that allows merchants in developing countries to advertise and sell their goods. This would permit rural communities to make their wares available to the rest of the Srilanka.

The objective of this project is to create a portal that would allow product information to be updated securely using a mobile device and will allow users to buy goods from the merchant. The main concern is given to the user to explore their talents and to enhance our traditional Srilankan culture.

In the future Mobile Technology whole and soul to the business fields, each and every trade is going to be done through it so this portal may be helpful to the user as a business person in this running world.

We make two apps for easy to use

- 1) NearBuy Admin - for doing Seller activities
- 2) NearBuy Customer - Portal for buying products

## **System specification**

- OS - Android
- Front End - Android studio Native(Java)
- Backend - Firebase (For realtime database and firestore)

## **System Modules**

- Admin/Seller Portal
  - ◆ Registration and Login
  - ◆ Add product
  - ◆ Check order Details

- Customer Portal
  - ◆ Register and Login
  - ◆ View product
  - ◆ Add to cart
  - ◆ My order
  - ◆ Place order

## Modules description with screenshots

- Welcome page for Customer Portal and Admin portal



Welcome Back

to



LOG IN

REGISTER



- Login page for Customer Portal and Admin portal



Phone number

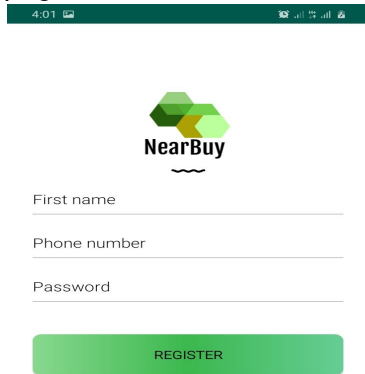
Password

LOG IN


[Forgotten your password?](#)



- Signup page for Customer Portal and Admin portal



4:01

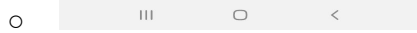


First name

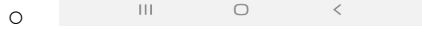
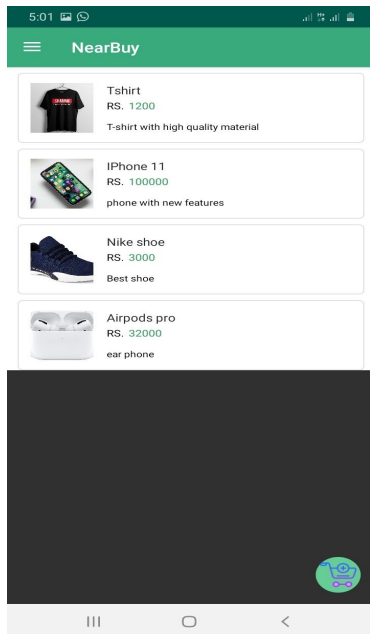
Phone number

Password

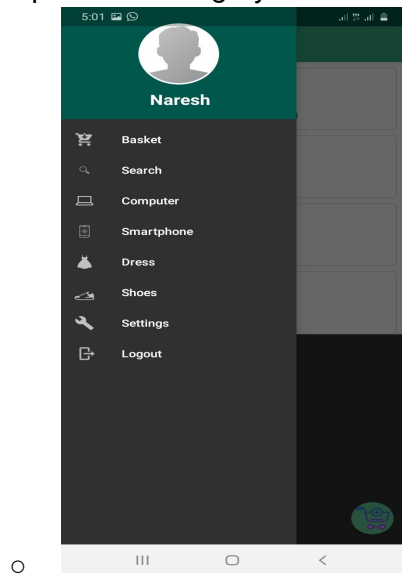
REGISTER



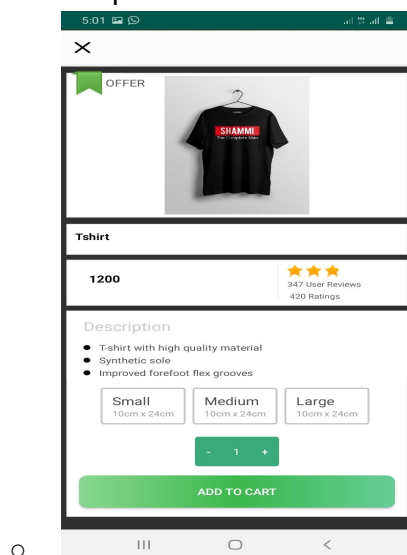
- View products in the Customer Portal



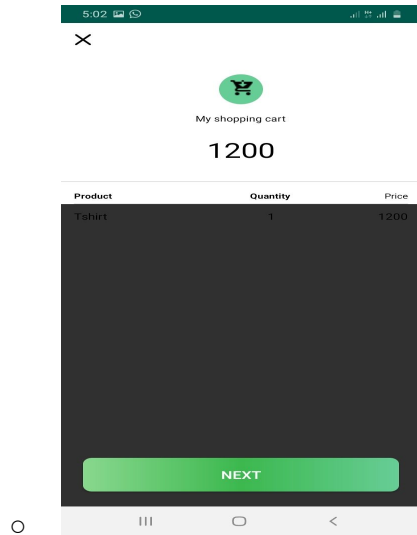
- View products category wise in the Customer Portal



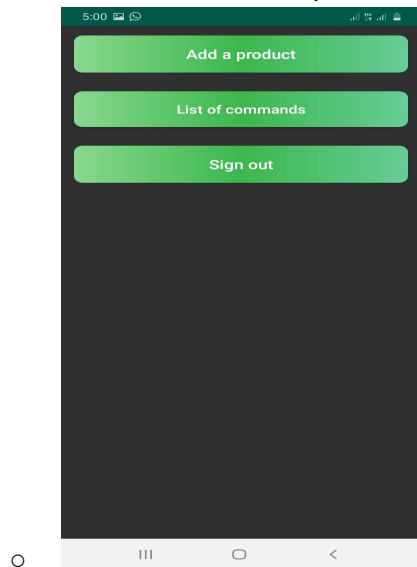
- Add to cart products in the Customer Portal






- View card and checkout in Customer Portal





- Home screen in the Admin portal



- 5:00





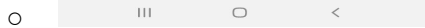


Product Name

Description

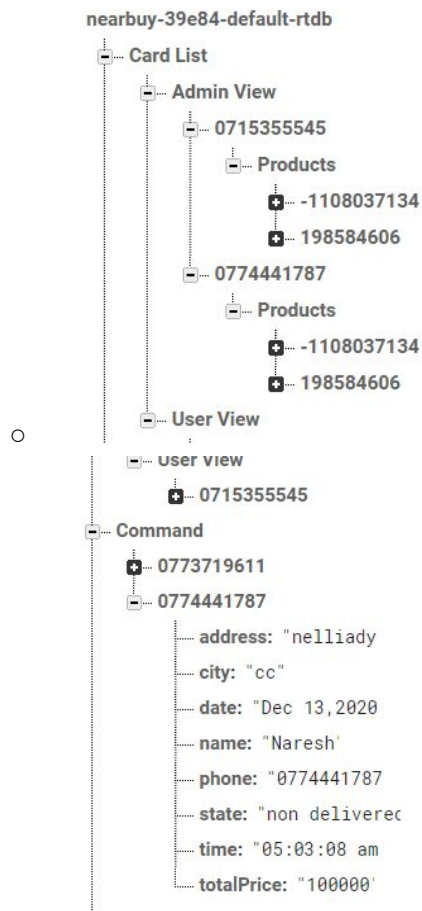
Price

ADD

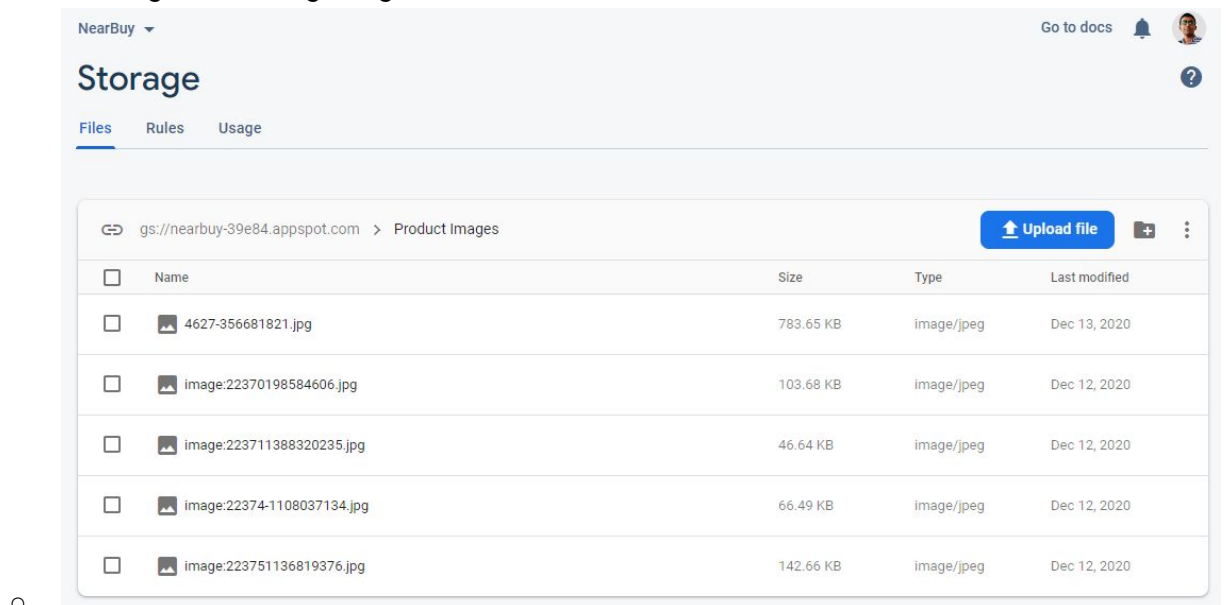


- The image is a composite of two screenshots from a mobile application. The top screenshot shows a 'List of Orders' screen. At the top, there's a status bar with the time 5:00 and various icons. Below it is a dark header with a white 'X' icon. The title 'List of Orders' is in a light green font. The main content area has a light gray background and contains one order entry. This entry includes a green icon of a document with a checkmark, the name 'shana' in green, the phone number '0773719611' in bold black, the email 'weyikmmcz cbklj' in gray, and a 'See' link in green. Below the order details is a timestamp 'Dec 12, 2020 11:55:15 am' and a price '0 £'. The bottom screenshot shows a dark gray screen with the text 'Order delivered or not:' in white. Below this text are two options: 'Yes' and 'No', both in white text.

- Firebase backend Real-time database



- Firebase storage for storing images





## **Further development plan modules**

- Seller Portal
  - ◆ Delete products
  - ◆ Stock maintenance
  - ◆ Register shops with location verification
- Customer Portal
  - ◆ Product search
  - ◆ Search shops using location service
  - ◆ Searching products using location service

## **Individual Contribution in NearBuy Project**

- ICT/17/836

Responsible for App integration and product management and at the same time developing UI and background functionalities include firebase backend for

  - Add to cart task in the Customer portal
  - Products checkout in the Customer portal
  - Viewing and taking action about orders in the Admin portal
- ICT/17/826

First I designed the user interfaces of login and sign-up pages for both the seller app and a customer app. Then I coded the logic using firebase as the backend. Whenever a new customer or a seller comes to the app, he or she can register via sign up page, the sign-up page saves those user details into the firebase database. Once he or she is registered, the login page will allow the users to log in to the app, where the login page checks the user credentials from the firebase real-time database. After a successful login, the user will be directed to their respective home pages.
- ICT/17/830

In this project, my part is to collect new products and save the products. It includes update products, add offers, etc. I also design a product save interface and search interface. Choose a suitable color combination and font for our app. And make the logo for our app.

