A  PROJECT REPORT ON

# ERRAND BOYS

*Submitted in partial fulfillment of the requirements for*

*the Award of the Degree*

*of*

## BACHELOR OF TECHNOLOGY

*IN*

## COMPUTER SCIENCE & ENGINEERING

*Submitted by*

## IYPE JOHN MATHEWS: VPE17CS019

*under the supervision of*

## Mrs. NEETHU KRISHNA

*Assistant Professor MIT*



*Department Of Computer Science and Engineering*

## MAHAGURU INSTITUTE OF TECHNOLOGY

## KATTACHIRA, PALLICKAL PO, KAYAMKULAM, 690503

## JULY 2021

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**Kattachira, Pallickal PO, Kayamkulam, 690503**

*(*Affiliated to APJ Abdul Kalam Technological University)

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

# CERTIFICATE

*This is to certify that the project report entitled "ERRAND BOYS" is a bonafide record of the seminar done by IYPE JOHN MATHEWS (VPE17CS019) during the year 2021, In partial fulfilment of the requirement for the award of B.Tech Degree in Computer Science & Engineering of APJ Abdul Kalam Technological University.*

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**IYPE JOHN MATHEWS**

# ABSTRACT

This project is based on a simple idea of a daily necessity It is like couriering anything in a small sector of area (one day delivery service) if you are in a busy city or in an office forgotten to take your file or anything (like files, documents, keys, gift etc. or you want to Deliver gift/items to people in your city. Today there is no other option but to go there yourself and do it by yourself or by someone you know. Such an incident would cost you your time and energy. But What if there was a service that helps you get what you want at a cheap or tolerable price. If you are stuck somewhere and you want your car or anything, due to a sudden reason, then this service will help you. In this busy situation for better traveling inside cities we need a better option for taxi service like bike taxi. Provide emergency services for vehicles.

# CHAPTER 1

# INTRODUCTION

This project is based on a simple idea of a daily necessity. It is like couriering anything in a small sector of area (one-day delivery service).if you are in a busy city or in an office forgotten to take your file or anything (like files, documents, keys, gift etc.) or you want to deliver gift/items to people in your city.

Today there is no other option but to go there yourself and do it by yourself or by someone you know. Such an incident would cost you your time and energy. But what if What if there was a service that helps you get what you want at a cheap or tolerable price.

If you are stuck somewhere and you want your car or anything, you can place an order by placing a pickup & dropping point and by mentioning what items you want.

If we need to service our vehicle( car/bike)& we don't have time them it will be a better method .for this we want to place our order by pickup and dropping point ( company) for service & mention it is a service.

In this busy situation for better traveling inside cities we need a better taxi services, ERRAND BOYS is there to help you. Bike taxi; for this we want mention pickup point & dropping point and mention you need a taxi service from ERRAND BOYS.

Moreover you can track your items on the app like when will they reach, when they will arrive and their current location etc. and ERRAND BOYS Contact Customer for better communication and clarity about order (voice call)

The customer firstly wants to complete the registration and he can request delivery. Errand Boy focuses on customer requests time. Once you place an errand boy order the hub will assign one of their errand boys to complete the request. Whether it is a wallet or a postcard or even your lunch. They are here for you.

# CHAPTER 2

# LITERATURE SURVEY

This ERRAND BOYS is based on delivery of very needful item within a short time. ERRAND BOYS means "A short journey undertaken in order to deliver or collect something in a short time. "We got the idea of ERRAND BOYS from the DUNZO APP, used in Bangalore cities & It is a delivery app used to deliver items in the cities within a short time(1-day).They are using bike for better and faster delivery,DUNZO APP charges 40 ₹ for 4km and 120 ₹ for greater km,hence it is a cheaper one.

And our ERRAND BOYS is different from existing system.

- ➢ They doesn't provide bike taxi services.
- ➢ They doesn't provide delivery of grocery items.
- ➢ They doesn't provide help for electronic device services.
- ➢ They doesn't provide help for car servicing.
- ➢ They doesn't deliver car to particular location.
- ➢ Our ERRAND BOYS is much user friendly.
- ➢ Our errand boys provide emergency services for vehicles by service centres.

# EXISTING SYSTEM

Currently there is an app called DUNZO APP used in Bangalore cities & It is a delivery app used to deliver items in the cities within a short time.(1 day) They are using bike for better and faster delivery , DUNZO APP charges 40 ₹ for 4km and 120₹ for greater km, hence it is a cheaper one

   Our ERRAND BOYS is different from existing system. They doesn't provide bike taxi services. They doesn't provide delivery of grocery items. They doesn't provide help for electronic device services they doesn't provide help for car servicing. They doesn't deliver car to particular location. Our ERRAND BOYS is much user friendly one.

# CHAPTER 3

# PROPOSED SYSTEM

Our proposed system will help you get what you want quickly (1 day). Deliver courier at a cheaper rate. Provide best city transportation (bike taxi).Buying glossary items, helping for electronic device services, and car servicing moreover they can deliver car to particular location if are stuck somewhere Secure and safe by continues communication between customer and ERRAND BOYS. Location of the products or items are also shared and can be seen by the customer.

# CHAPTER 4

# REQUIREMENT SPECIFICATION

## HARDWARE REQUIREMENTS

The selection of hardware configuration is a very important task related to the software development, particularly inefficient RAM may affect adversely on the speed and corresponding on the efficiency of the entire system. The processor should be powerful to handle all the operations. The hard disk should have the sufficient capacity to solve the database and the application. The network should be efficient to handle the communication fast.

- ➢ Processor           :        Intel(R) Core(TM) i5-4210U CPU @ 1.70GHz 2.40 GH
- ➢ RAM                 :        4GB.
- ➢ System memory       :        128MB recommended.
- ➢ Hard disk           :         1TB.
- ➢ Keyboard            :        Standard keyboard.
- ➢ Mouse               :        Two or three button roller mouse recommended.
- ➢ Modem               :        Any modem.

## SOFTWARE REQUIREMENTS

- ➢ Operating System    :        Windows 7 or higher
- ➢ Web Server          :        WampServer
- ➢ Front End           :         Android
- ➢ Back End            :        My SQL
- ➢ IDE                 :        Android Studio

# CHAPTER 5

# TECHNIQUE USED

## 1. ANDROID

The official language for Android development is Java. Large parts of Android are written in Java and its APIs are designed to be called primarily from Java. It is possible to develop C and C++ app using the Android Native Development Kit(NDK), however it isn't something that Google promotes. Android is an open source and Linux-based operating system for mobile devices such as smart phones and tablet computers. Android was developed by the Open Handset Alliance, led by Google, and other companies.

## 2. ANDROID STUDIO

Android Studio is the official integrated development environment (IDE) for the Android platform. It was announced on May 16, 2013 at the Google I/O conference. Android Studio is freely available under the Apache License 2.0. Android Studio was in early access preview stage starting from version 0.1 in May 2013, then entered beta stage starting from version 0.8 which was released in June 2014. The first stable build was released in December 2014, starting from version 1.0.Based on Jet Brains' IntelliJ IDEA software, Android Studio is designed specifically for Android development. It is available for download on Windows, macOS and Linux, and replaced Eclipse Android Development Tools (ADT) as Google's primary IDE for native.

## 3. JAVA

Java is a general-purpose computer programming language that is concurrent, class-based, object-oriented and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere" (WORA) meaning that compiled Java code can run on all platforms that support Java without the need for recompilation. Java applications are typically compiled to byte code that can run on any Java virtual machine (JVM) regardless of computer architecture. As of 2016, Java is one of the most popular programming languages in use particularly for client-server web applications, with a reported 9 million developers Java was originally developed by James Gosling at Sun Microsystems (which has since been acquired by Oracle Corporation) and

released in 1995 as a core component of Sun Microsystems' Java platform. The language derives much of its syntax from C and C++, but it has fewer low-level facilities than either of them. The original and reference implementation Java compilers, virtual machines, and class libraries were originally released by Sun under proprietary licenses. As of May 2007, in compliance with the specifications of the Java Community Process, Sun relicensed most of its Java technologies under the GNU General Public License. Others have also developed alternative implementations of these Sun technologies, such as the GNU Compiler for Java (byte code compiler), GNU Class path (standard libraries), and Iced Tea-Web (browser plug-in for applets).

The latest version is Java 8, which is the only version currently supported for free by Oracle, although earlier versions are supported both by Oracle and other companies on a commercial basis.

## BACK END
## SQL

SQL server is a relational database management system (RDBMS) that uses Transact SQL to send request between a client and SQL Server. Server is designed to be a client/server system. Client/Server systems are constructed so that the database can reside on a central computer, known as server, and be shared among several users. When users as server, and shared among several users, When users want to access data on the SQL server, they run an application on their local computer, known as client that connect over a network to the server running SQL Server. Advantages of using SQL server is that it include multiuser database, support RDBMS, fast, ease of use, and security. SQL Server provides the enterprise data management platform your organization needs to adapt quickly in a fast-changing environment. With the lowest implementation and the maintenance cost in the industry, it delivers rapid return on your data management investment. SQL Server supports the rapid development of enterprises class business application that can give your company a critical completive advantage. Benchmarked for scalability, speed and performance, it is a fully enterprise-class database product, providing core support for Extensible Mark-up Language (XML) and internet queries.

# CHAPTER 6

# MODULES OF THE SYSTEM

## ADMIN

Can Approve Delivery Boy Registration.

Can View User Booking Request.

Can Assign User Booking Request to Delivery Boy

Can View Customers Feedback.

Can Views order Reports.

Can View Customers Details

**Algorithm of admin**

1. Start

2. Login

3. Enter username and password

4. If (true), else go to 9

5 Add/ view the customer

6. Add/view delivery boys

7. View feedback of customers

8. Assign order to delivery boy

9. Display error

10. Stop

**Flowchart of admin**
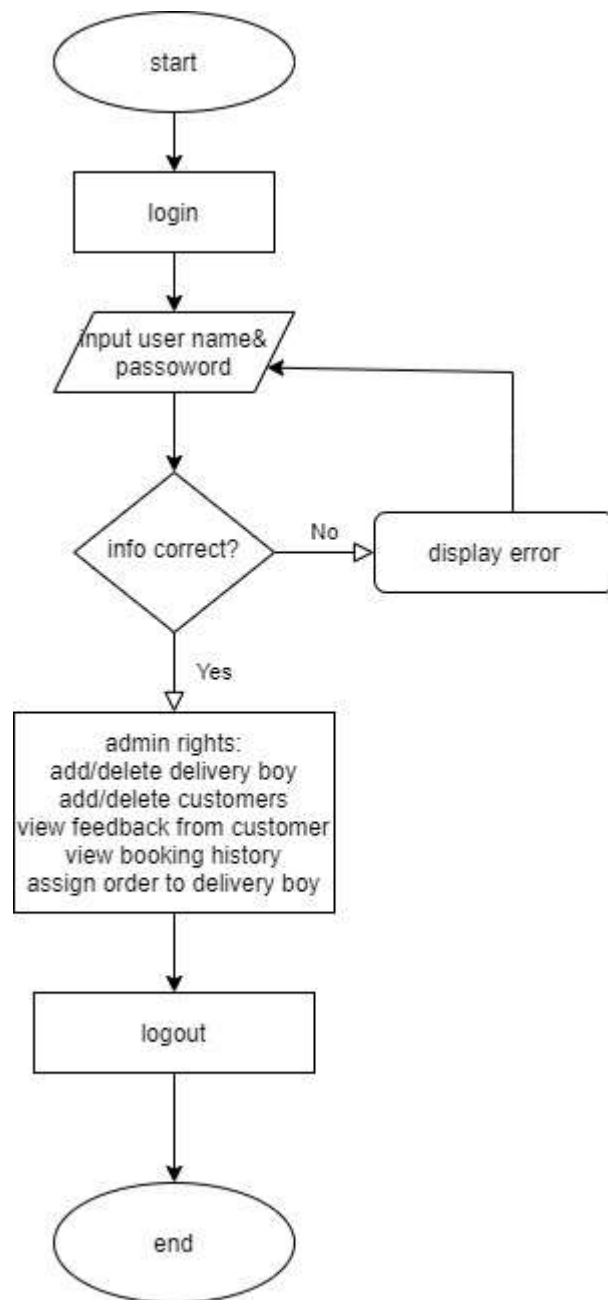


6.1 flowchat of admin

## DELIVERY BOY

Can Register to the application

Can View Delivery and pickup Details.

Can View Delivery/ Pickup location on map.

Can Contact Customer (voice call)

Can Update Delivery Status.

Can View Delivery History

**Algorithm of delivery boy:**

1. Start

2. Login

3. Enter username and password

4. If (true), else go to 7

5 view customer orders

6. Track order details.

7. Display error

8. Stop

**Flowchart of delivery boy**
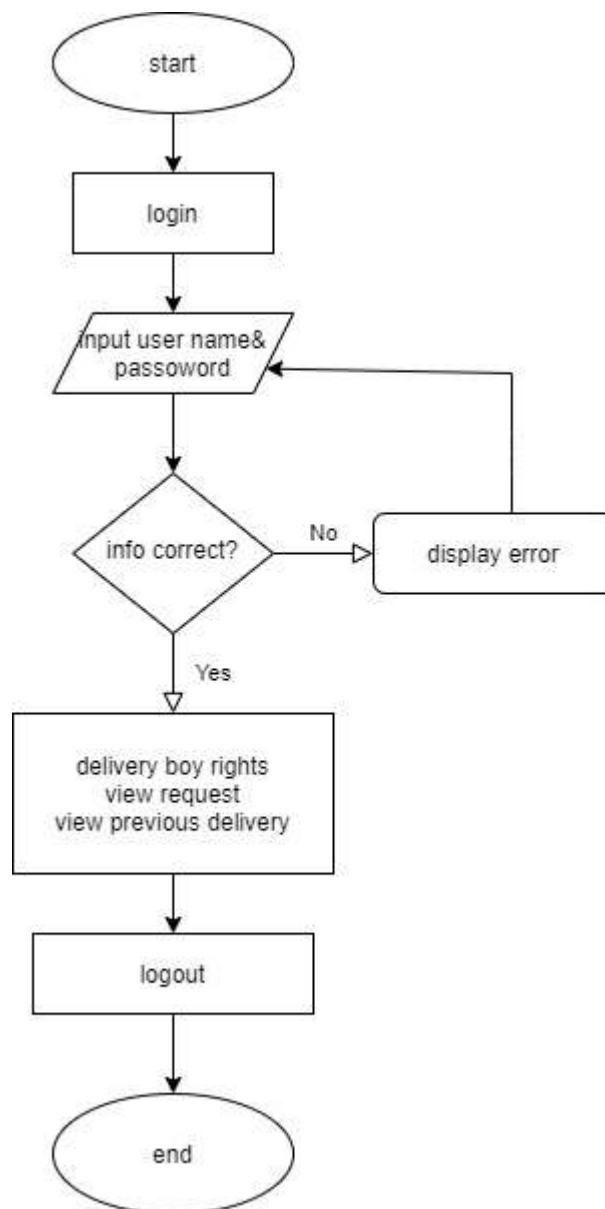


6.2 flowchat of delivery boy

## CUSTOMER

Can Register to the Application.

Can Request Delivery.

Can View Request Status.

Can Send Feedback to Admin.

Can Locate Delivery person on map.

**Algorithm of customer**

1. Start

2. Login

3. Enter username and password

4. If (true), else go to 9

5 order booking

6. View pending request

7. Track delivery boy after order pickup

8. Write feedback to admin

9. Display error

10. Stop

**Flowchart of customer**
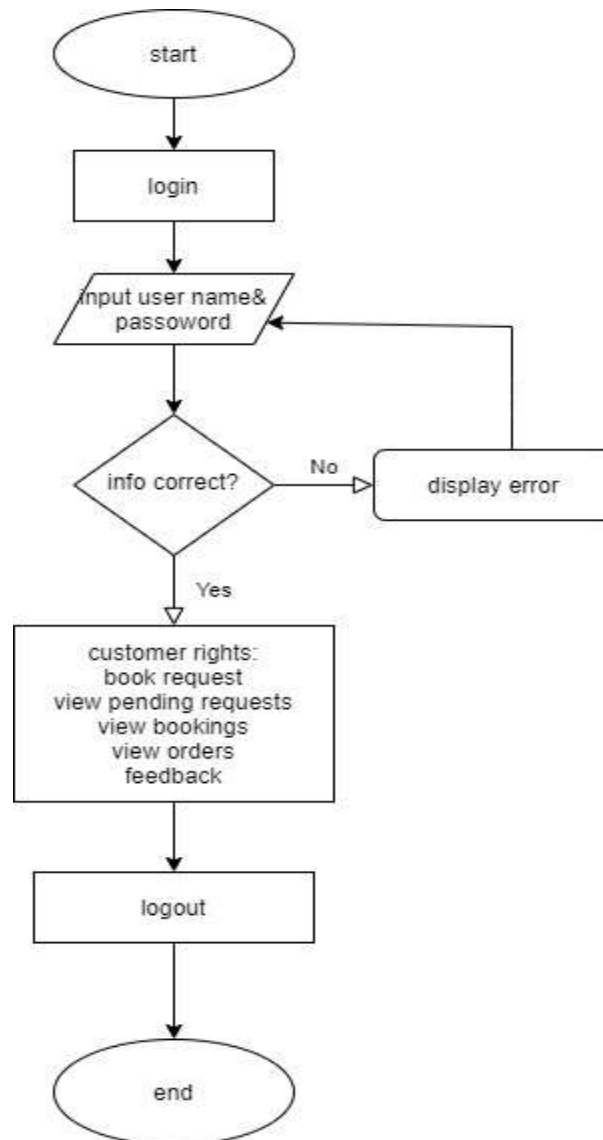


6.3 flowchart of customer

## SERVICE STATION

Can Register to the Application

Can View Bookings

Can View Pickup Location on Map.

Can Contact Customer (voice call)

Can Update Location

**Algorithm of Service Station**

1. Start

2. Login

3. Enter username and password

4. If (true), else go to 8

5 Order booking

6. Update location

7. Track customer location

8. Display error

9. Stop

**Flowchart of service staion**
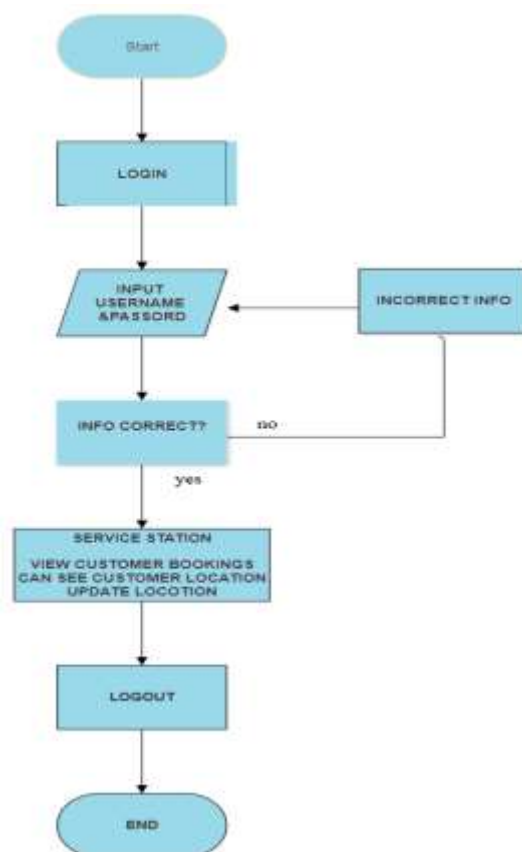


6.4 flowchart of service station

# CHAPTER 7

# EXPERIMENTAL RESULTS

## Splash Screen

A splash screen is the first screen of the app when it is opened. It is a constant screen which appears for a specific amount of time, generally shows for the first time when the app is launched. The Splash screen is used to display some basic introductory information such as the company logo, content, etc just before the app loads completely.
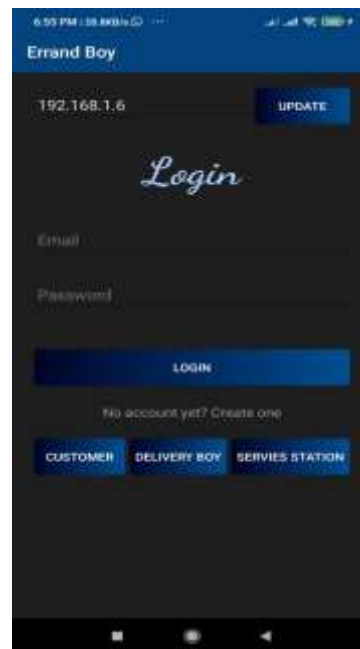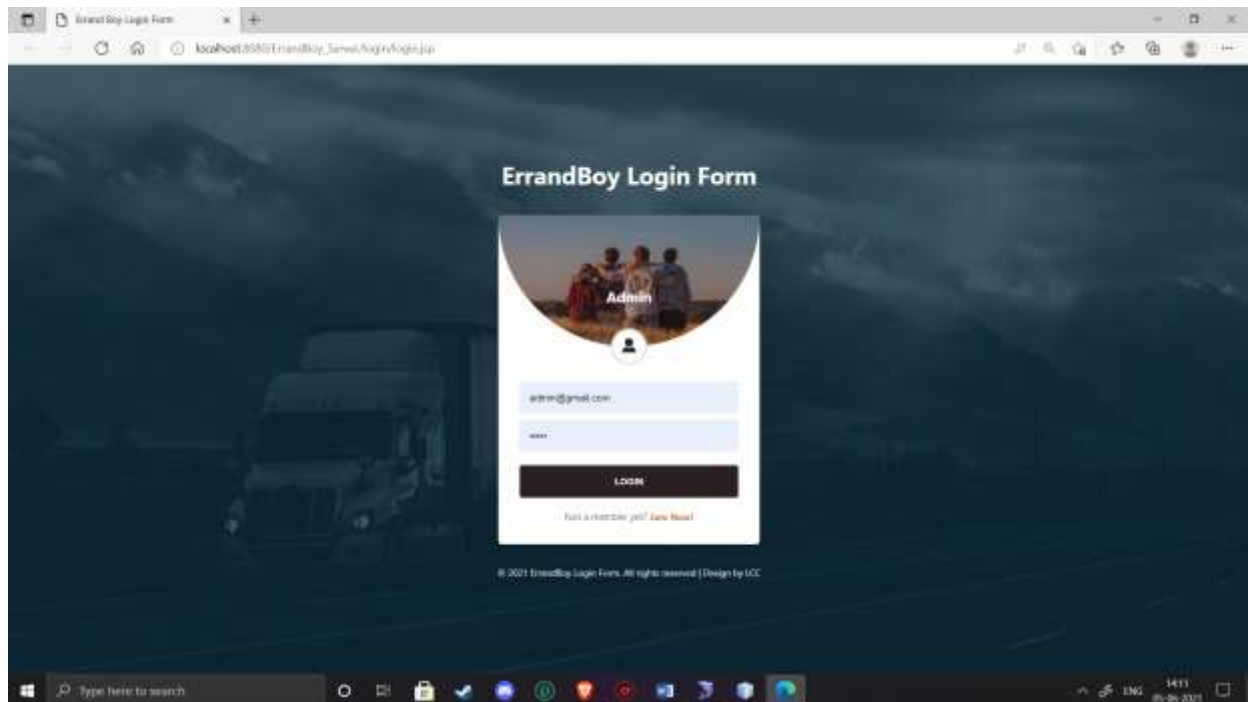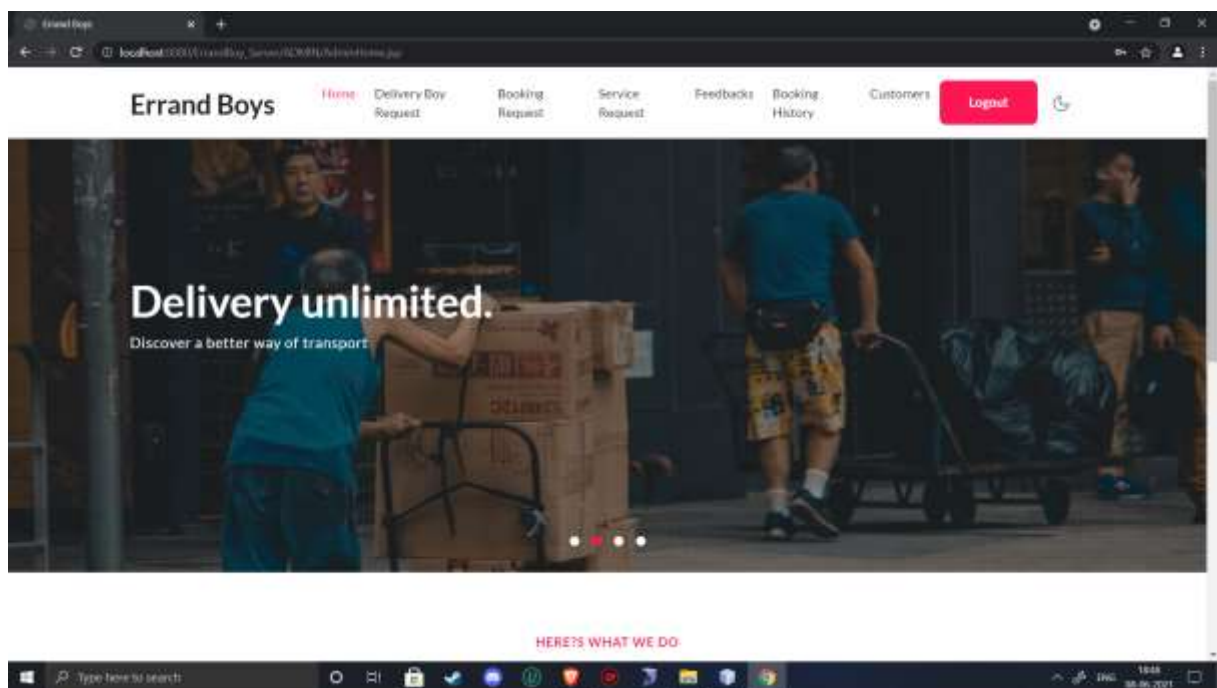


7.1 splash screen                                    7.2 homescreen
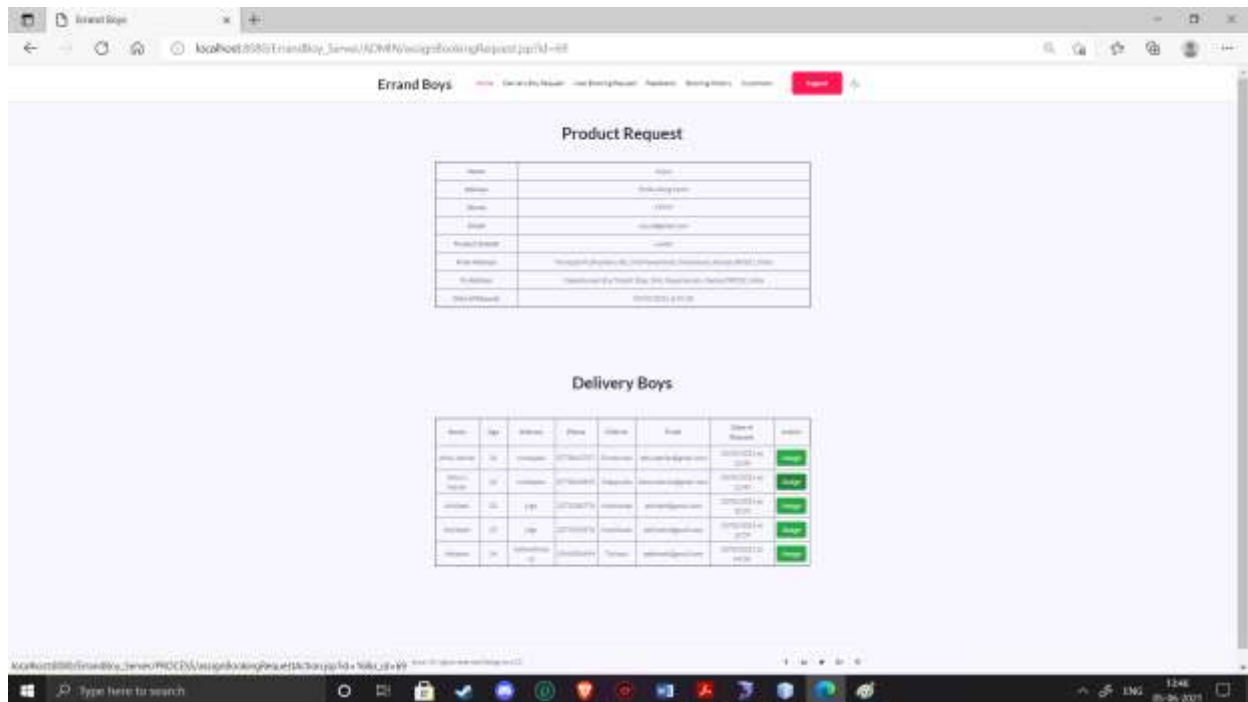
## Admin portal

An Administrator handles all other modules i.e. the delivery, user booking and modules. The Admin can accept the delivery boy, customers and can also delete the users and customers .Admin assign the orders to the delivery boys requested by the customers. Admin can view customer feedbacks. Admin can see booking history and detail of customer and delivery boys. He can login into his account by entering correct username and password.
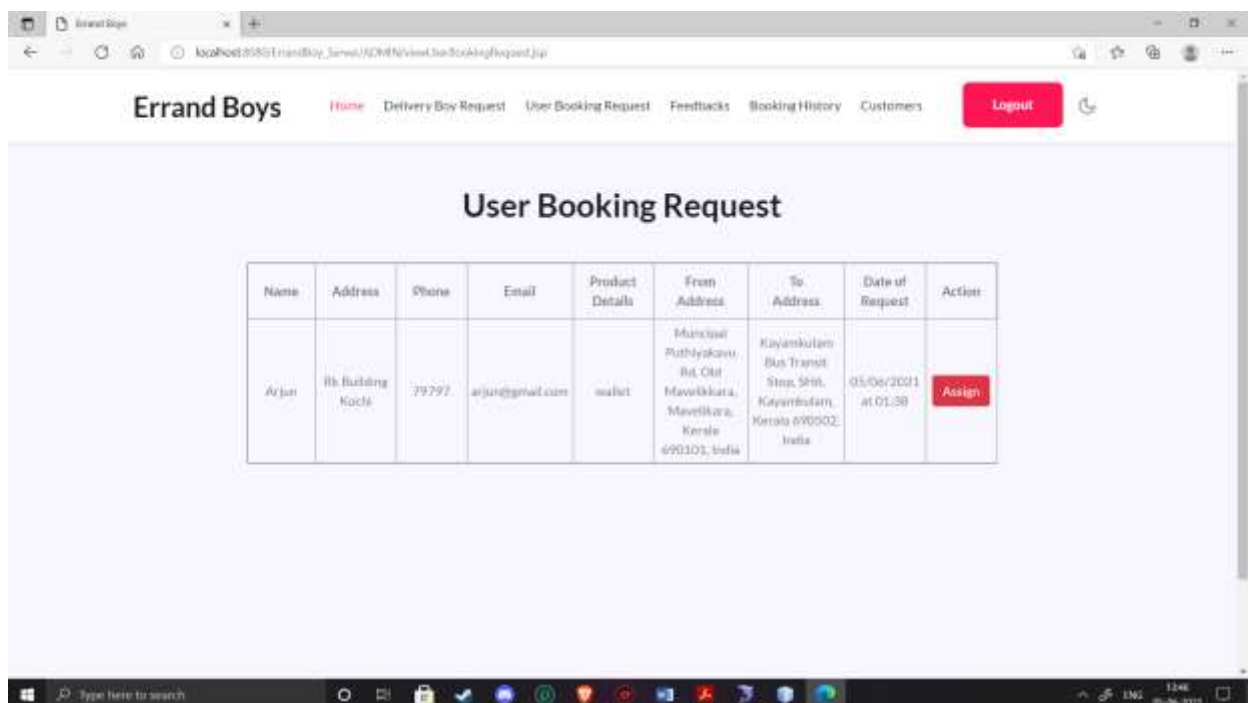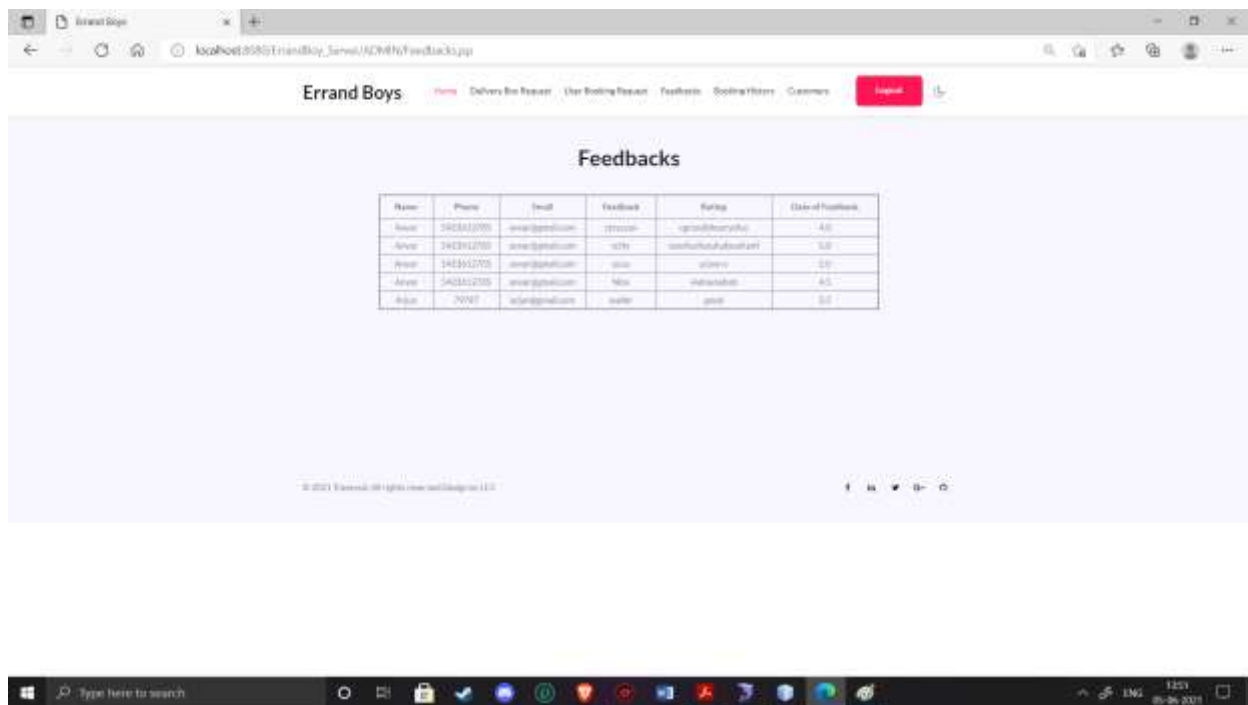
7.3 admin homepage
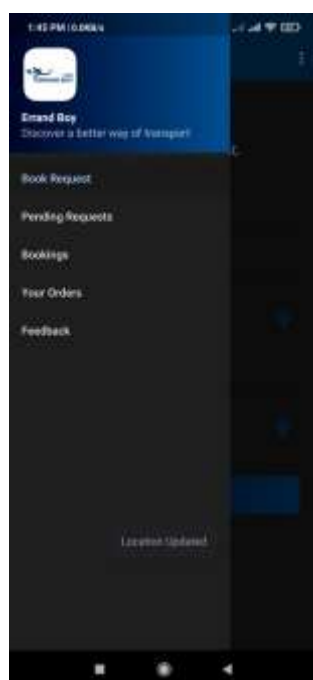


7.4 admin dashboard

7.5 delivey boy order assign



## User Booking Request

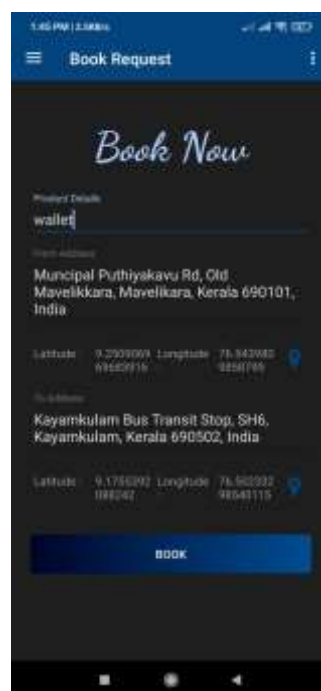| Name | Address | Phone | Email | Product Details | From Address | To Address | Date of Request | Action |
|------|---------|-------|-------|-----------------|--------------|------------|-----------------|--------|
| Arjun | Ith Building Kochi | 79797 | arjun@gmail.com | wallet | Muncipal Puthiyakavu Rd, Old Mavelikkara, Mavelikara, Kerala 690101, India | Kayamkulam Bus Transit Stop, SHH, Kayamkulam, Kerala 690502, India | 05/06/2021 at 01:38 | Assign |

7.6 approving order from customer

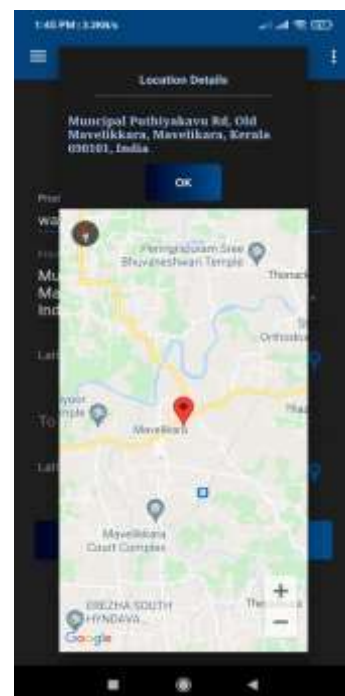**7**.7 customer feedback

## Customer Portal

The customer can log in to his account by entering the correct username and password. The customer can book requests, view pending requests, see orders and can sent feedback to admin.The customer can also see the live location of the delivery boy once he had picked up the order .A customer can be added by an Admin. Then only a he can login into his account.
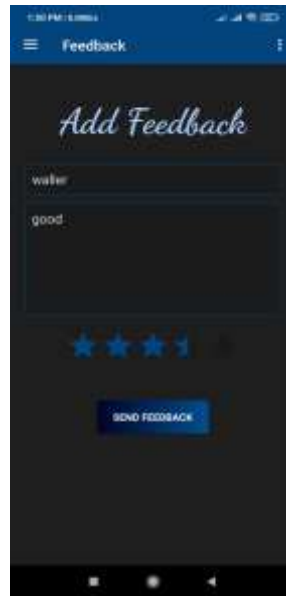


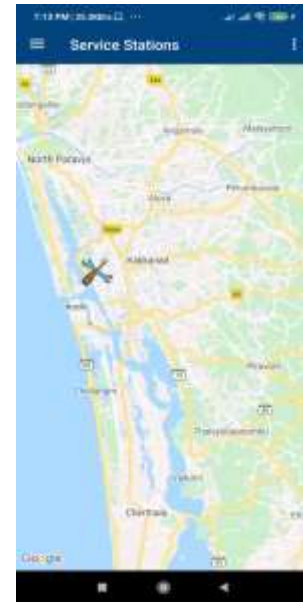7.8 customer dashboard | 7.9 order booking | 7.10 delivery location

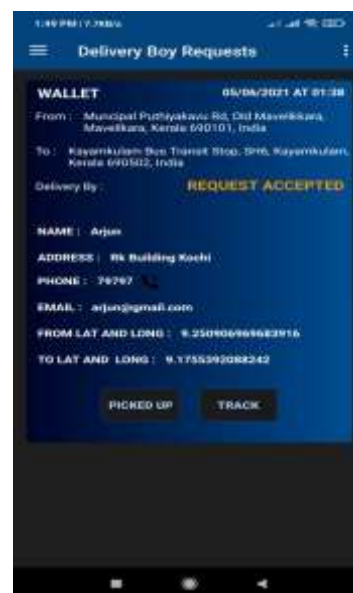7.11 booking history        7.12 feedback for admin      7.13 nearest service station

## Delivery Boy Portal

The delivery boy can log in to his account by entering the correct username and password. The delivery boy deals with customer order. Once the admin assign order from customer to the delivery boy. The delivery boy can track the location of the ordered item and its desired destination. A delivery boy can be added by an Admin, then only he can login into his account



7.14 delivery boy orders        7.15 customer details

## Service Station Portal

The Service station person can log in to his account by entering the correct username and password. The service station deals with customer requests. Once the admin has validate the details of service station. When the customer need service they can put booking to their desired service station. The service centre can find the location of the customer.



7.16 service station portal
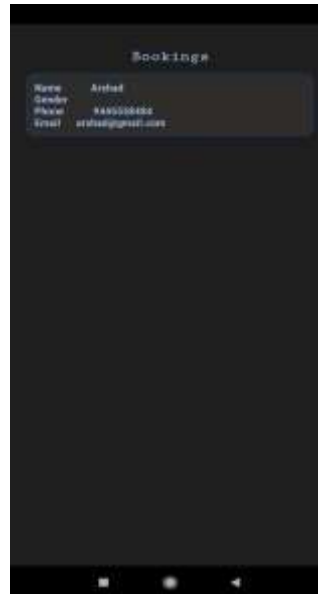


7.17 service station bookings

# CHAPTER 8

# FUTURE ENHANCEMENT

The existing system is a manual one. Though the proposed system tries to overcome the limitations of the existing system, we cannot say that the proposed system is fully developed. So the proposed system is developed with an insight that further modifications can be applied. In the proposed system it is sure that it must reduce the manpower and time duration. Thus this system is a boon when viewed with a resource saving perspective, which is vital for the system. In future we can develop online application and mobile application.

# CHAPTER 9

# CONCLUSION

The ERRAND boy is an Android application that can deliver items with-in a short-time. And our ERRAND BOY can provide many services for our customer. Our ERRAND BOY can provide bike taxi services, delivery of groceries, provide helping for the servicing of electronic equipment's, car servicing helps & also delivery of car to a particular mentioned location. And our ERRAND BOYs have a service centre wing and that provides services for any kind of vehicles which stuck on the road. It's like a roadside assistance for our customers.

Our ERRAND BOY is a very much user friendly application towards our customers. And moreover, ERRAND BOYs offers safety of delivery items by providing    delivery boy's number for communication and shares like location of items for better tacking for customers. Our ERRAND BOY is a better option for everyone , because it can provide better services , better communication with items, and better safety by tracking items, and lastly ERRAND BOY is a cheaper  one (at a cheaper operating scale of charges)with a better safety.

# CHAPTER 10

# REFERENCES

- "Dunzo: Google's chosen one". Forbes India. Retrieved 2 January 2019.

-  Prime, E. T. "Dunzo had been running errands around the block. Now it has to go ahead and face the world". ET Prime. Retrieved 2 January 2019.

-  Prime, E. T. "Dunzo | Economic Times". ET Prime. Retrieved 21 December 2018.

- "On-demand delivery app Dunzo to launch in Chennai - Times of India". The Times of India. Retrieved 21 December 2018.

-  "Dunzo delivery trend shows its users were 'unapologetically' lazy in 2018 - Times of India". The Times of India. Retrieved 4 January 2019.

- ^ "Curds to condoms: This company delivers all - Times of India". The Times of India. Retrieved 4 January 2019.

-  Alauddin, Shameen (17 December 2017). "Google-backed task fulfillment start-up dunzo runs errands to make money". Business Standard India. Retrieved 4 January2019.