



ANDROID APPLICATION FOR CAB BOOKING - BOOKIT

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Abstract: The main aim of implementing this project is to diminish the loss of customers to competitor. The current system is manual & time consuming due to the paper work. It is very costly process and it has low average return. At present, users can walk-in or make a call to book or hire a cab. The employees of the organization will have to check the records in order to see the availability of the vehicle for renting. In the existing system there is a possibility of errors and loss of data. The aim of this project is to book a cab online so that customers do not require to make a call or walk-in to book a cab. They can book a cab as per their requirement and select a cab from the listed available cabs. It also keeps record of all available and reserved cabs. Reports will be generated.

Keywords: Google Map, Cab Booking, Android App, Rest API

I. INTRODUCTION

Cab Booking App is a Web Based Application. It is Design to manage all cab Hiring work online. In Our daily Life Travelling is one of the Major Part. As Public Transport like Train and Bus take our too much time so to save our time Cab Booking App is a modern Solution. This app is easy to use and the customer can keep track of their location. While travelling from one place to another many people faces problem due to unavailability of their own vehicles so they can take advantage of this Application. This is an online process through which a user can view available cabs, book the cabs and view their profile. Most of the people use cab facility for their day-to-day transportation. This system helps a user to check which cab is available for booking at low price. Administrator can affirm the booking and drop the setting up for the premise of accessibility of the vehicles and drivers. The essential rationale of this undertaking is to give clients a simple and bother free point of interaction where they can without much of a stretch analyze the costs of various taxi booking administrations and pick the most ideal choice for them. This undertaking offers different booking choices for various kinds of client all over the planet. The clients can think about and book the taxi at a similar spot. Each client would like the best encounters for the least expensive rate and taxi it is indistinguishable to book administrations. In this day and age business contenders provide unprecedented proposals to their clients for the motivation of augmentation in deals. Our Vision is to utilize this contention of various taxi booking administrations and use it in support of ourselves. The target of our undertaking is

- 1) To look at how taxi booking application have made our life simpler
- 2) To review the variables influencing reception and utilization of taxi booking android application
- 3) To recognize the well-known method of installment liked by buyers while benefiting these administrations
- 4) To discover whether protection and wellbeing involves worry for different buyers profiting taxi booking administrations.

II. LITERATURE SURVEY

In [1] The target of this venture is to give the vehicle rental help place which keep up with the data connected with subtleties of clients, vehicles, protection, drivers, booking, exchanges and so on. Benefits of this framework are 1) The observing of the vehicle movement and the general business turns out to be simple and incorporates the least of administrative work. 2) The product goes about as an office that is open day in and day out. 3) An enrolment entrance to hold explorer's subtleties, screen their exchange and utilized same to offer better and further develop administrations to them. Detriments of this framework are 1) Less security of women traveller. 2) On retraction on ride the dropping charges are Higher. 3)Online exchange and card instalment isn't accessible for traveller.



In [2] In this proposition primary intention is about return trip office, to go starting with one spot then onto the next place then the client will book the taxi. Assume, while returning the taxi on the off chance that taxi is unfilled, driver will tell to the framework that vehicle is vacant and vehicle is consequently venture.

On the off chance that client acknowledges their solicitation, client can enrol for that taxi. Benefits of this framework are 1) Customer needs to pay for just a single way trip, with the goal that clients can set aside their cash. 2)It diminishes the time expected for employing a taxi. 3)Google guide additionally accommodated show the distance among source and objective and utilizing this distance work out charge. Drawbacks of this framework are. 1) User need dependable Internet admittance to actually look at your reservations and to add appointments that are made on the web. 2) After taxi ride the traveller subtleties are known to the driver with picture id. 3) There is no closure time booking accessible.

In [3] This taxi administration known as Take Away Taxi is the extension among traveller's and cabbies, it utilizes GPS framework and permits clients to book taxi utilizing cell phone. This application assists with dealing with traveller's reserving in rapid and simple manner inside a less time conceivable with practically no contribution of outsider for accomplishing this work. The benefits of this framework are 1) Our application permits travellers to ride now or book to ride later in no less than seven days with explicit time and date for the ride. 2) Also, the request could be dropped later to take it. 3)This System doesn't require outsider application or director to control and deal with the solicitation among traveller and driver. The disservices of this framework are 1) Cancellation of Bookings in the span of one hour can wind up by paying the half of a decent rate. 2) It is the expensive method for transport. It isn't reasonable consistently to travel solo, on the off chance that you have no spending plan issues you can bear the cost of it without any problem.

In [4] The fundamental target of taxi administration application is to give consolation to individuals who are dealing with issues during booking the taxi rides through cell phones. This application is a two-way apparatus which benefits both the clients deprived as well as drivers who claims the taxi, and assists with discussing the clients with taxi proprietor. The benefits of this framework are 1) This application gives decision to choose the taxi from the less expensive model to rich model. 2)The client can see the criticism and select the reasonable taxi. The weaknesses of this framework are 1) The drivers regularly request extremely high charges particularly from travellers and non-neighbourhood individuals.

In [5] This venture means to introduce a worldview of a versatile vehicle rental framework which is gotten and empowers client to hold the vehicle they need. The customary approach to leasing vehicles has been supplanted by the versatile vehicle rental framework. The benefits of this framework are 1) It is gotten application and permits the client to lease the vehicle of clients decision. 2)It guarantees that client can utilize the application as long as they have endorsed in into the application. The detriments of this framework are 1) It just permits card instalments. 2) User need stable Internet association with access the application.

III. PROBLEM STATEMENT

The traditional system in place is a manual system where all the records are maintained in the books. So, storing and retrieving the data is a tedious job as they don't have a database. As the data is recorded manually, there is much chance for human error and also for data loss which makes financial auditing much difficult. Customer Feedbacks were not collected, so there is no option for assessing the customer satisfaction in old system. There is no option to check which customer is picked by which driver. This results in serious crimes such as physical harassments on customers by drivers, using the vehicle for illegal activities by customers etc.

IV. ARCHITECTURE OF APPLICATION

This is the engineering graph of our undertaking here client side incorporates front end for UI server side incorporates back end for information base which incorporates rest programming interface, google map programming interface, and SMS supervisor programming interface first client sends a http solicitation to server side then a http reaction is given from server side to client side a client demand for taxi information is ship off server side then the solicitation is sent to data set and afterward the accessible taxi information is recovered from data set and afterward ship off client and after client and subsequent to getting the information it is shown as affirmed.

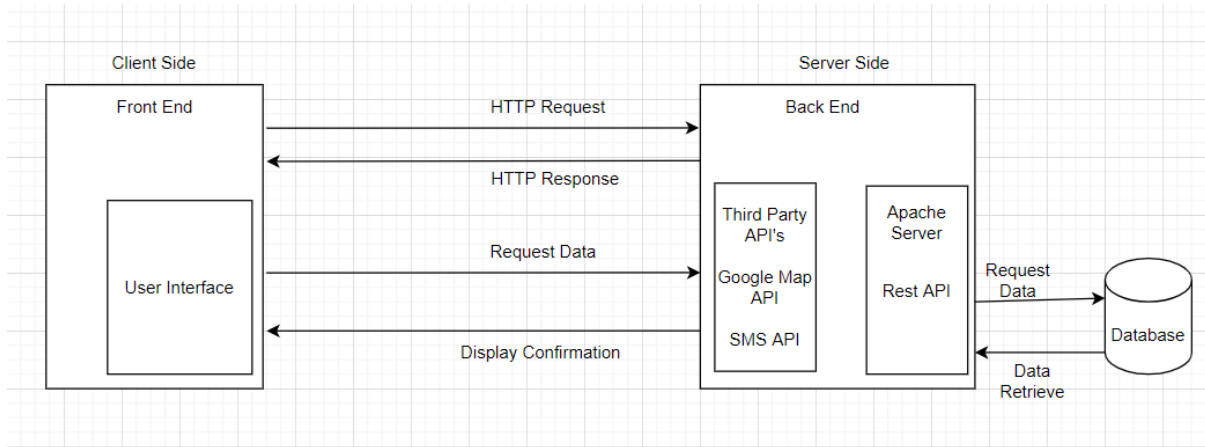


Fig no. I

V. RESULTS

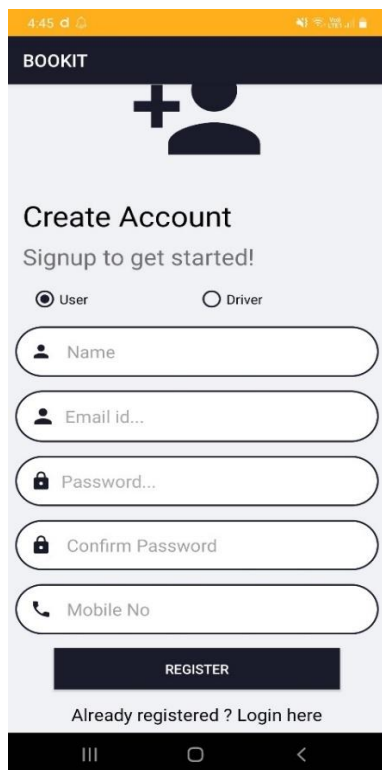


Figure No. II User Registration

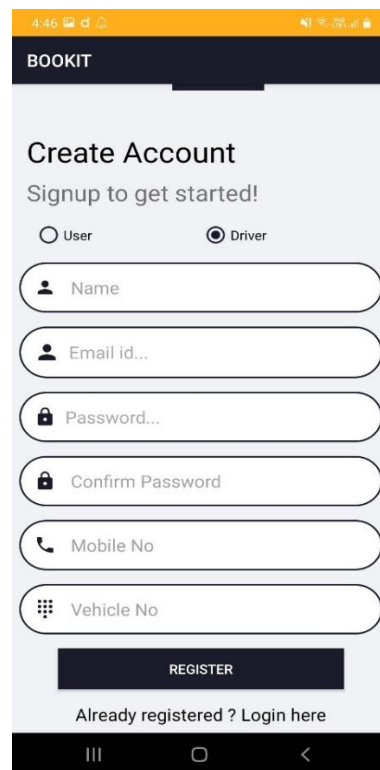


Figure No. III Driver Registration

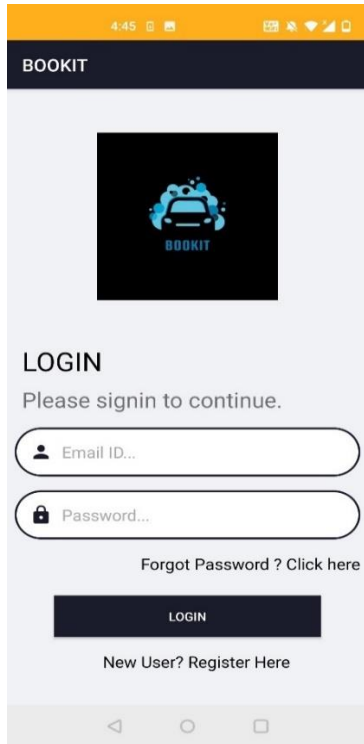


Figure No. IV Login page for User and Driver

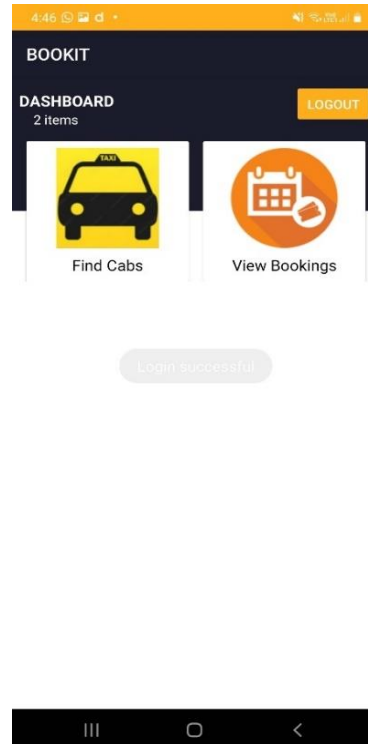


Figure No. V Dashboard (User side)

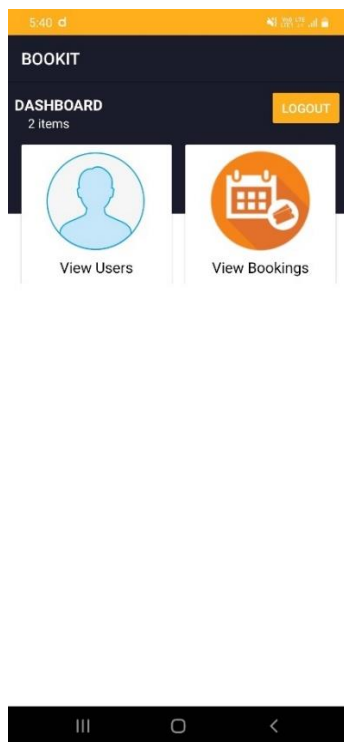


Figure No. VI Dashboard (Admin)

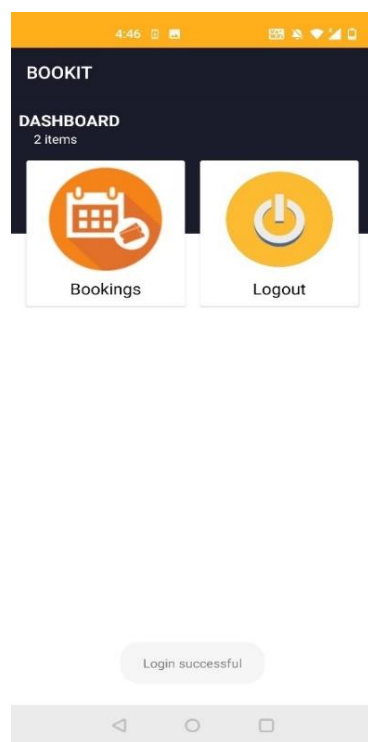


Figure No. VII Dashboard (Driver side)

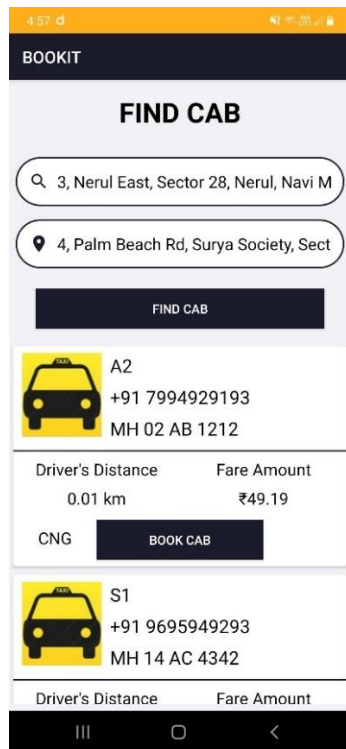


Figure No. VIII Find cab (User side)

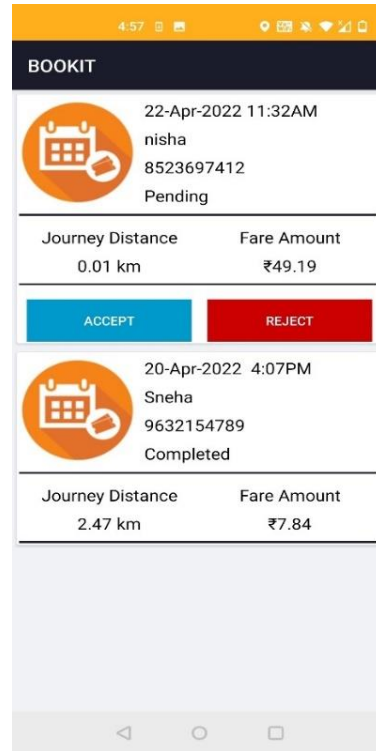


Figure No. IX Request for ride (Driver side)

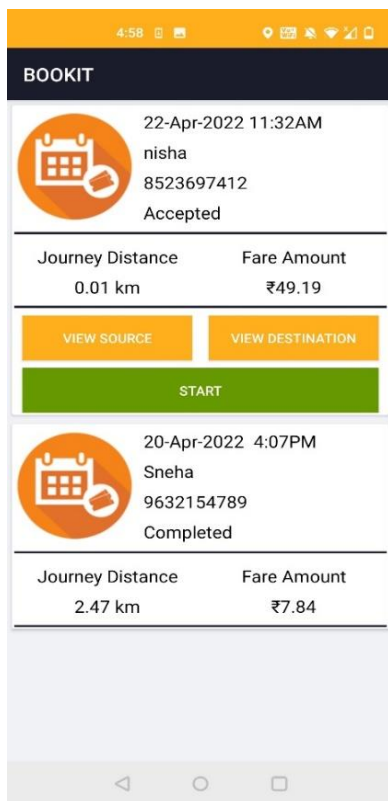


Figure No. X Request accepted (User side)

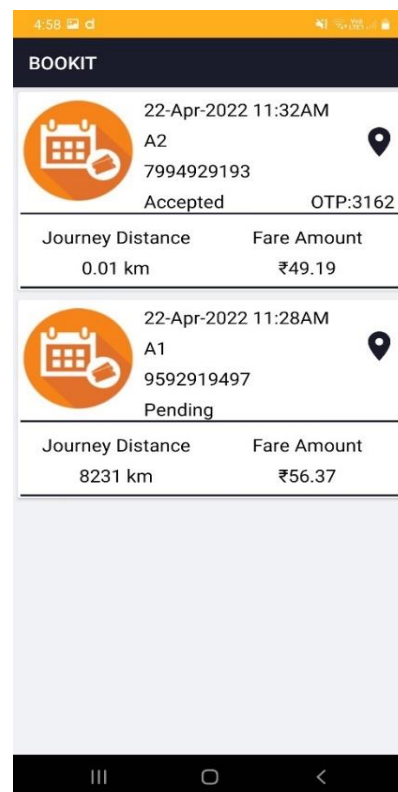


Figure No. XI OTP (User side)

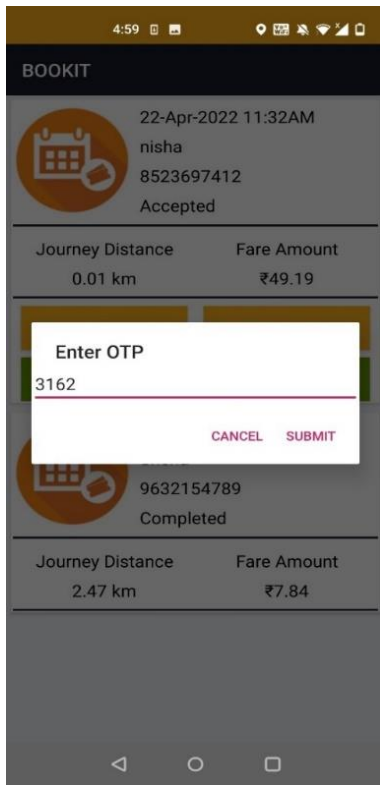


Figure No. XII OTP (Driver side)

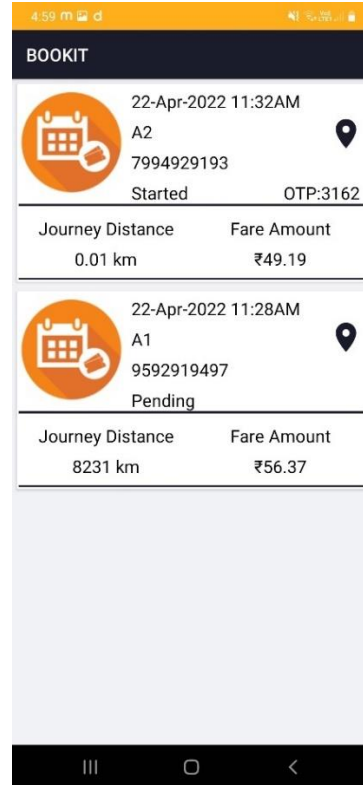


Figure No. XIII Ride started (User side)

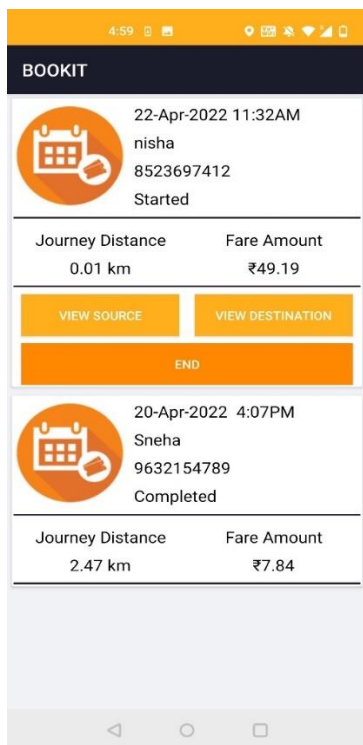


Figure No. XIV End Ride (Driver side)

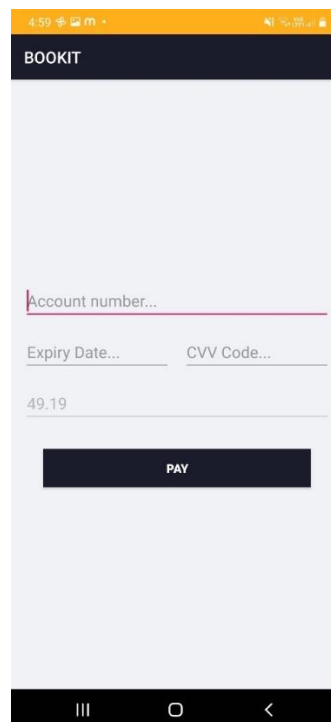


Figure No. XV Payment (User side)

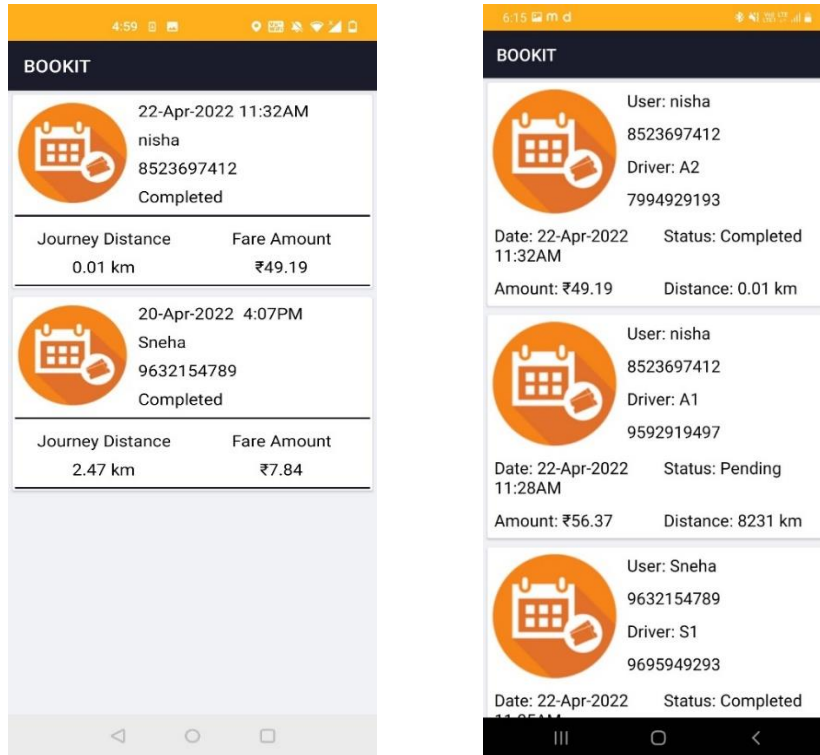


Figure No. XVI Ride completed (Driver-side)

Figure No. XVII Ride history (Admin)

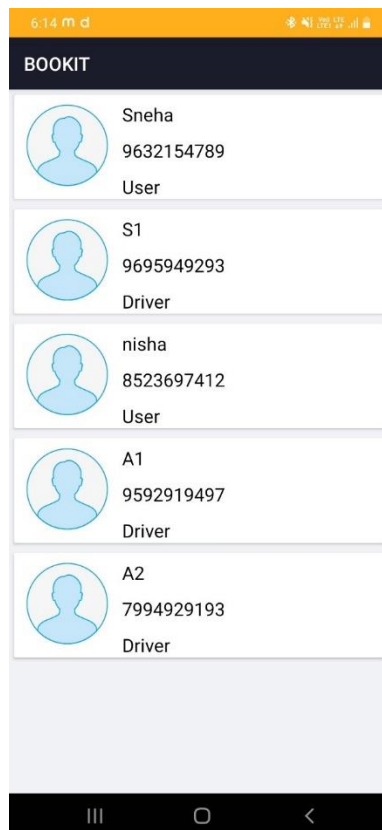


Figure No. XVIII List of user & driver (Admin)



VI. FLOW CHART

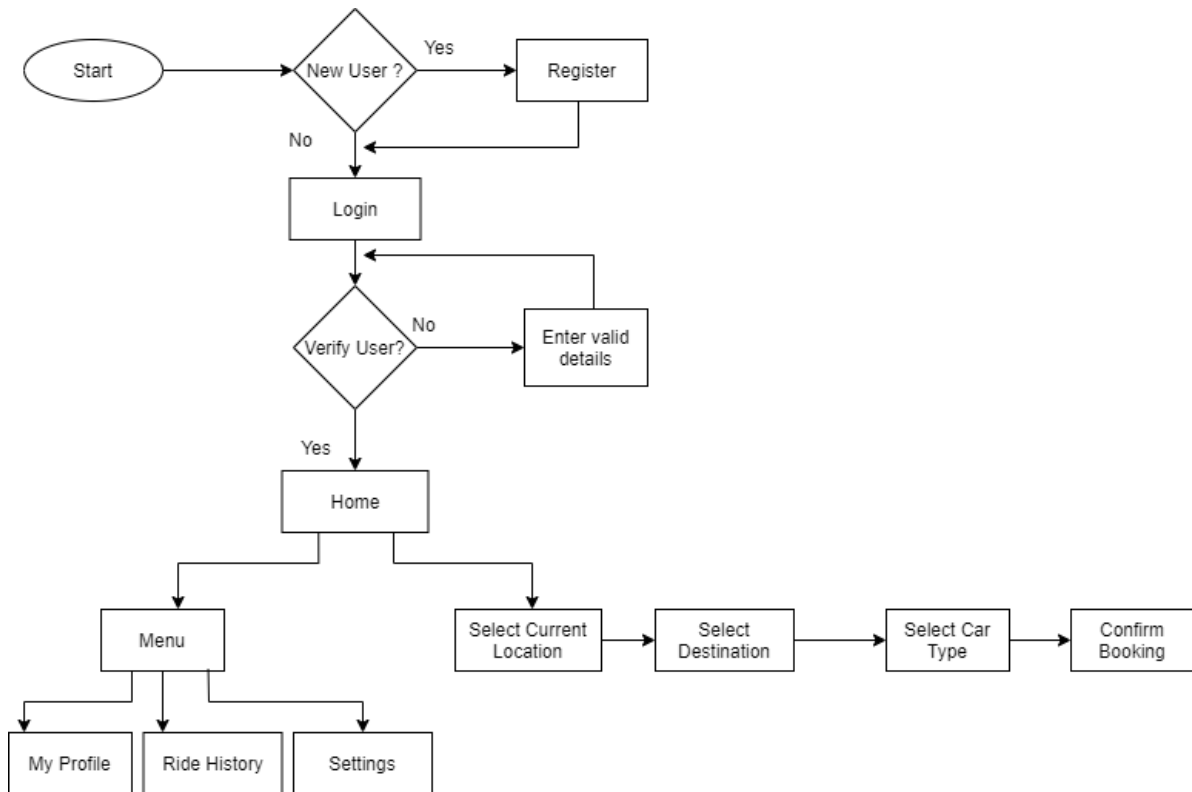


FIGURE NO. XIX

Initially when we open the application it will ask if you are new user or not. If you are a new user you have to register first and then login using the same credentials, but if you are already user then you have to login with proper credentials. It will verify if the credentials are valid or not. The application will land on home page if the credentials are valid or else it will give an error. On the Home page you can view the menu list which consists of My profile, Ride History and Settings. From home page itself you can directly book the new ride, first you have to select your current location by enabling the location of your phone and then select the desired destination you have to travel and select the type of car as per your convenience and book the Cab and confirm it.

VII. CONCLUSION

Cab booking was done physically in the customary framework. Refreshing and keeping up with, rider and driver data is a dull and difficult work. In proposed framework we can book a ride utilizing an android application. In this framework rider demands for a ride and driver utilizes the equivalent application to enlist their vehicle and acknowledges the solicitation and satisfies the rider by giving them administration. Google map is given to show the distance among source and objective and utilizing this distance charge is determined.

VIII. ACKNOWLEDGMENT

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