

# DriveMyCar Android Application

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**Abstract-** *Now a day in India driver booking system is getting very popular and Most of the people want an ease of travelling using drivers. Instead of asking for auto rickshaw and taxis. Since there are lots of applications available for driver booking but they use centralized approach to maintain data. But if any failure in centralized server will cause whole system to go down. Our approach is to design a driver booking system using server-based approach and also to maintain safety of passengers. And the driving patterns of driver using accelerometer. In this study, we design and implement the intelligent server-based driver system for serving passengers using local information. The implementation and analysis of proposed approach are carried out by using an android-based web service-based system framework. Simulation results manifest that our approach is able to encounter the shortcomings of the existing system.*

**Indexed Terms-** *driver booking, passengers, driver, travel, safety, Car Drivers, Cabs*

## I. INTRODUCTION

In last few years technology has been very much ahead in all fields. It plays vital role in human commerce. For human commerce there are many application and websites are available on internet which has made life easy. Likewise, there are many more applications provides a driver on demand to customer wherever he needs. For example, DriveU, Drive4U, Hire4drive: Car Drivers and Cabs, Swift partners, Hopp-on demand driver.

These applications provide convenient and best service to customer but still some issues are there like existing system is not transparent with customer. In existing system some problems occur like finding location of customer, customer cannot trace the time and location of driver therefore customer has to face many problems. So, we are going to upgrade or add

some point in existing system which will help the customer to find driver in his own area. It will reduce time and minimize the location finding issues.

## II. PROBLEM DESCRIPTION

As we have seen in the current existing system that people face difficulty in hiring driver for their own cars so they try to rent a car to travel. So, to overcome this problem we are developing our App "DriveMyCar" in which we will providing drivers on rental to customer who have their own car but are not able to drive. In which they can easily search drivers on job nearby them and hire them on duty.

## III. OBJECTIVE

The objective of this work is to design a system for booking drivers. Company with support for mobile devices working on Android OS. The designed system consists of:

- A client mobile application for customers
- A mobile application for drivers
- A server with a database

## IV. LITERATURE REVIEW

4.1 Sandeep Gupta, Attaullah Buriro, Bruno Crispo "DriverAuth: Behavioral biometri based driver authentication mechanism for on-demand ride and ridesharing infrastructure."

A behavioral-biometric-based authentication [1] scheme in the context of on demand ride and the rideshare services. The approach can be extremely useful to verify drivers remotely. This scheme can be extended to verify the intended riders as well the scheme is unobtrusive as verification is performed in the background and is invisible to the driver. The scheme has shown resistance to mimicry attacks as the invisible person-specific behavioral modalities.

Owing to space limitations, they will report the detailed methodology and the results of an extended empirical evaluation in a future paper.

4.2 Kacem Abida, Rainer Stahlmann, Florian Netter, and Carlo Ratti “Driving Behavior Analysis through CAN Bus Data in an Uncontrolled Environment.”

Driving behavior analysis has been studied from a new point of view, that bridges the gap between driving behavior studies through uncontrolled experiments leveraging only the GPS signal and studies exploiting CAN bus data through very controlled experiments. This work proposes a methodology for delineating similarities among drivers using data collected in a completely uncontrolled experiment, through a clustering algorithm performed on seven different features of eight signals recorded by CAN bus sensors, with a distributional approach.

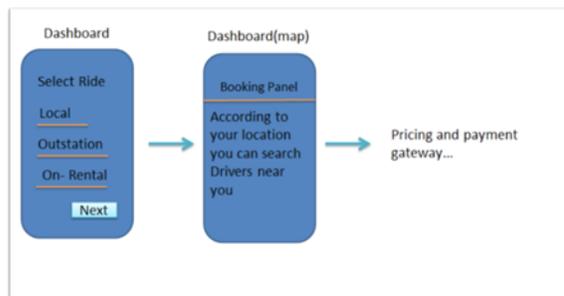
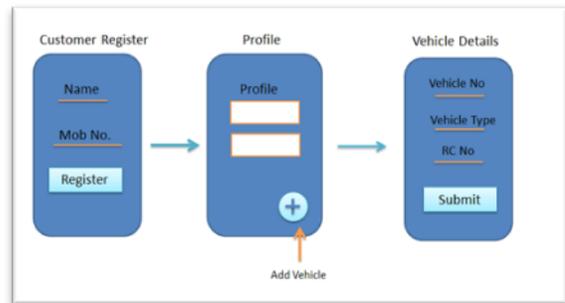
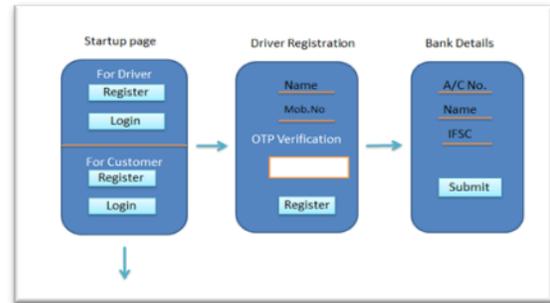
4.3 Hemanth Kumar and K. Sentamilselvan “Customer Satisfaction towards Call Taxi Services A study with reference to Chennai.”

There is stringent competition in the organized cab services industry therefore organization need to motivate consumers through coupons. The innovative behavior of consumers helps to download mobile apps and further motivates them to redeem coupons while booking cabs. The results of this study are consistent with earlier research studies because it is found that price conscious consumers are likely to redeem coupons.

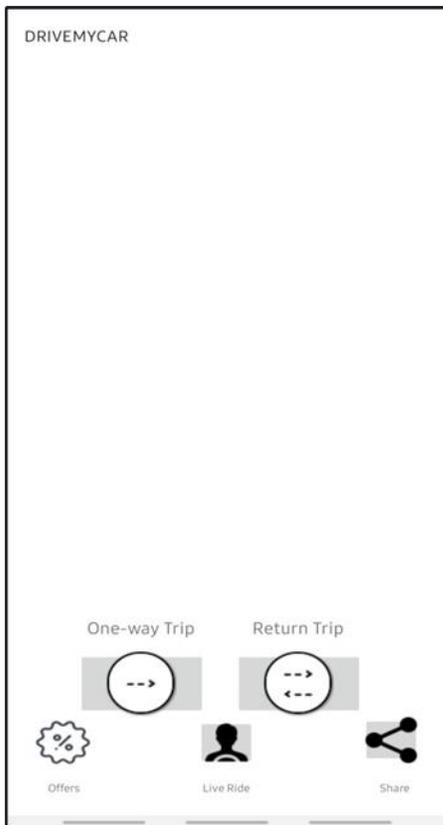
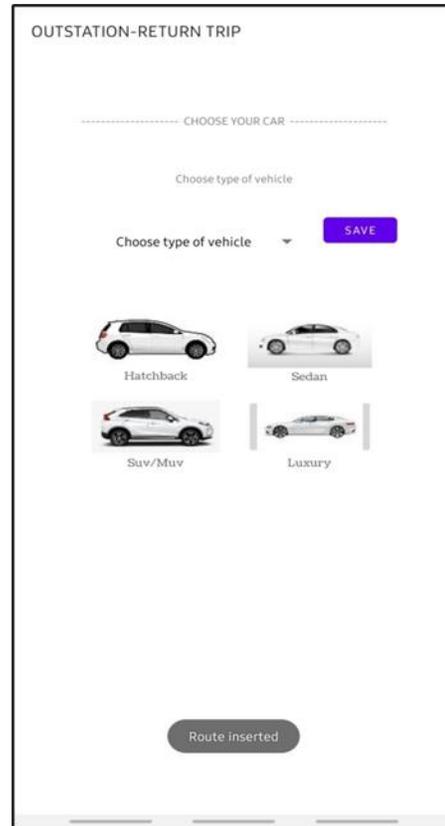
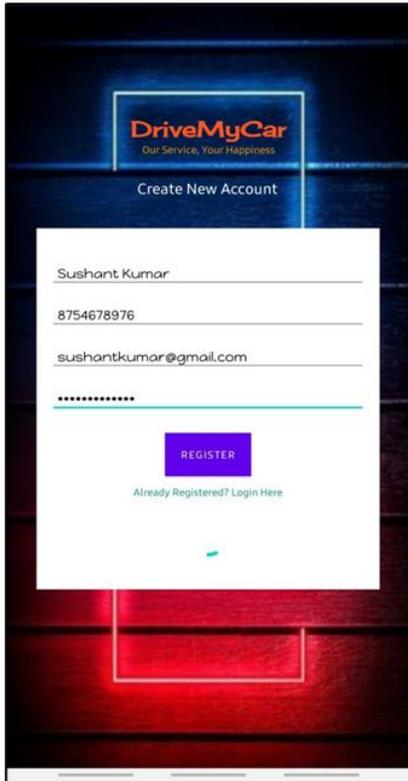
4.4 Dr. Ruchi Shukla, Dr. Ashish Chandra & Ms. Himanshi Jain “OLA VS UBER: The Battle of Dominance.”

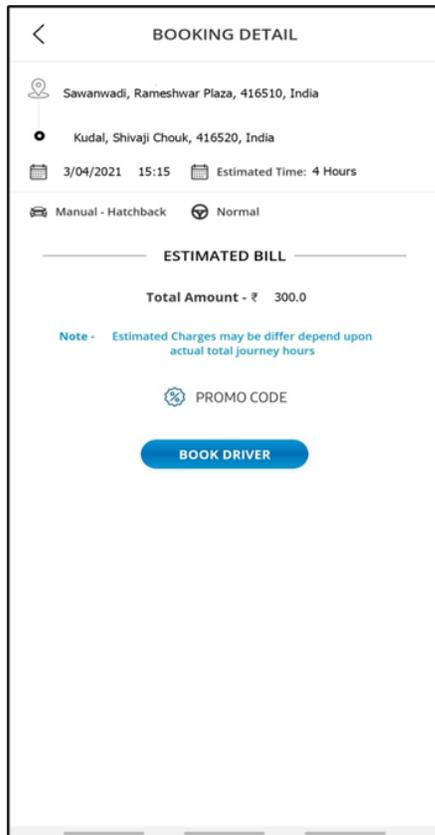
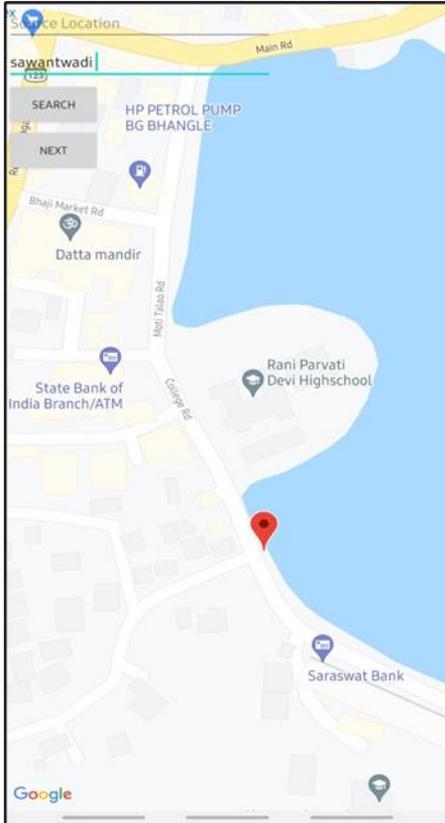
India’s major attractiveness lies in its market size and increased purchasing power resulting in uplifting lifestyles. On the other hand, Indian consumers are smart, very demanding and highly price-sensitive with no brand loyalty; managing such market is not an easy task. Companies need to constantly be on their toes and keep designing new packages and offers to allure the customers for long which at times result in a lot of cash burn.

V. SYSTEM DESIGN & IMPLEMENTATION



VI. RESULTS





## CONCLUSION

Proposed android application will be easy to customer for hire a driver. Customer can book the driver as per their requirement and get the driver details with acknowledgement to/from the driver online thereby saving time and money.

## REFERENCES

- [1] Sandeep Gupta, Attaullah Buriro\*, Bruno Crispo, "DriverAuth: Behavioral biometric-based driver authentication mechanism for on-demand ride and ridesharing infrastructure", DISI, University of Trento, Trento, Italy, ICT Express (2018), <https://doi.org/10.1016/j.ict.2018.01.010>, 24 January 2018.
- [2] Umberto Fugiglando, Emanuele Massaro, Paolo Santi, Sebastiano Milardo, "Driving Behavior Analysis through CAN Bus Data in an Uncontrolled Environment", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, IEEE, 2018, 1524-9050.
- [3] V. Hemanth Kumar and K. Sentamilselvan, "Customer Satisfaction towards Call Taxi Services A study with reference to Chennai", International Journal of Pure and Applied Mathematics, Volume 119 No. 12 2018, 14919-14928.
- [4] Dr. Ruchi Shukla, Dr. Ashish Chandra & Ms. Himanshi Jain, "OLA VS UBER: The Battle of Dominance", IOSR Journal of Business and Management (IOSR-JBM), VINC'17, 73-78.