

Dr. D. Y. Patil Pratishthan's
College of Engineering, Kolhapur

SYNOPSIS OF PROJECT



1. Name of Program: Rick-Book Mobile App.

• Name of Project Group Member

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2. Pratemesh Sutar	21
3. Atikraja Khochikar	22
4. Sumit Ardalkar	23
5. Niranjana Powade	24

2.Project Identification No : 05

3.Name of Project guide : Mrs. R. A. Gurav.

4.Proposed title : Rick-Book Mobile App

5.Abstract

Rickshaw booking is a common kind of transportation provided by several transportation companies in a given city. The majority of individuals rely on rickshaw services for their everyday transportation requirements. The firm must be registered and meet all of the transportation department's criteria and security standards.

The Online Rickshaw Booking System is a web-based platform that enables your clients to book taxis and executive taxis from the convenience of their own home or workplace. The platform should have an administrative interface via which the taxi business can control the content as well as access all reservations and customer data.

Synopsis of Project Work

7.Introduction :

Online Auto-Rickshaw Booking Management System is developed to manage all Auto-Rickshaw hiring work online. It is useful for booking agency that are specialized in Hiring Auto-Rickshaws to customers. Using this system many Auto-Rickshaw-booking agencies are moving ahead to become a pioneer in the vehicle rental industry by completely focusing on customers. Using this system, it is very easy for customer to book an Auto online and Auto-Rickshaw-booking agency can also track their booking online. So, it is also very useful for Auto booking agency. It is an online system through which customers can view available Auto-Rickshaws; register the Auto-Rickshaws, view profile and book Auto-Rickshaws. Mostly people use Auto-Rickshaw service for their daily transportation need. Auto-Rickshaw booking agency can also check which auto is free for booking and which autos are on booking at present time.

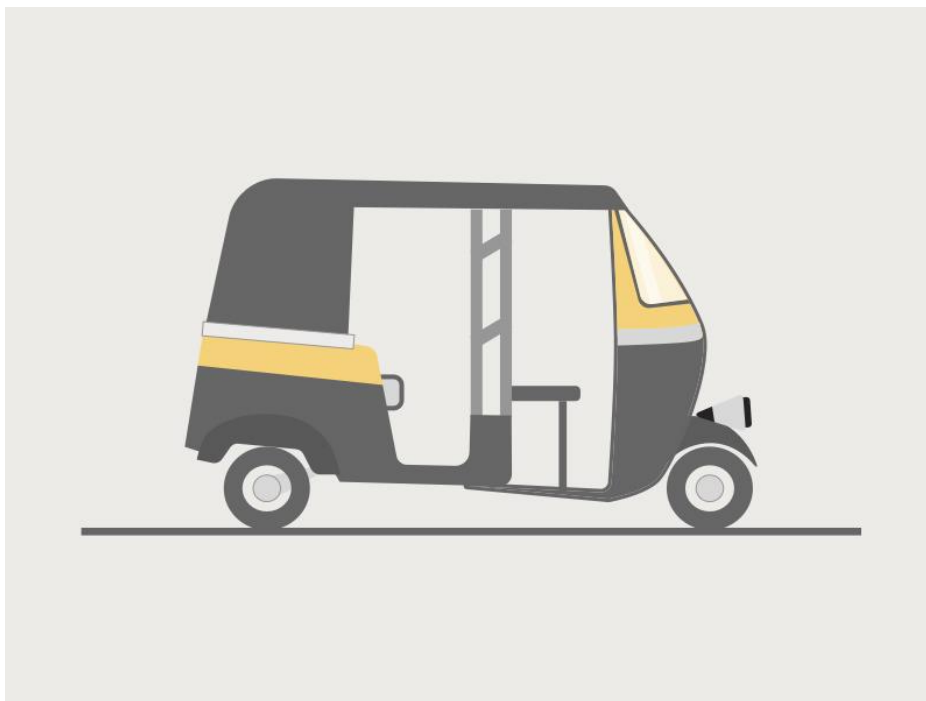
We have developed this system to produce a App-based system that allow customer to register and reserve Auto-Rickshaw online and for the company to effectively manage their Auto-Rickshaw hiring business. Presently auto booking do all work offline when a customer comes to them, Some agencies take the booking order and call the auto driver to check their availability with their auto if they manage to find an auto for booking they confirm the order otherwise they cancel the order as they have no auto for the booking. This process wastes a lot of time of customer and also of auto booking agency and it also creates less interaction with customers but with our system auto agency can confirm the order within a minute by checking the availability of autos for booking. So, this auto booking system is helpful to ease customer's task whenever they need to rent an Auto-Rickshaw or hire an Auto-Rickshaw.

8.Problem Statement :-

Our main motive is to give people facilities and also provide job opportunity to those who are in such need. In developing cities like Kolhapur, or small towns around our city people make use of public transportation daily for some people it is difficult to find public transport easily they have to go out walk ask people Around.

“Is there a Rickshaw-stop nearby and then book and go to their destination”

There are also many Situations that may occur due to which the need of such platform is necessary also to highlight Booking services like Ola and Uber are failed to give their services in cities like this although the prime focus of public transport here in cities like Kolhapur are Auto-Rickshaws, Due to such reason we identified the problem that locals are facing to overcome this problem we came with an solution of creating an platform where user can use functionality of booking auto-rickshaw at ease via our application.

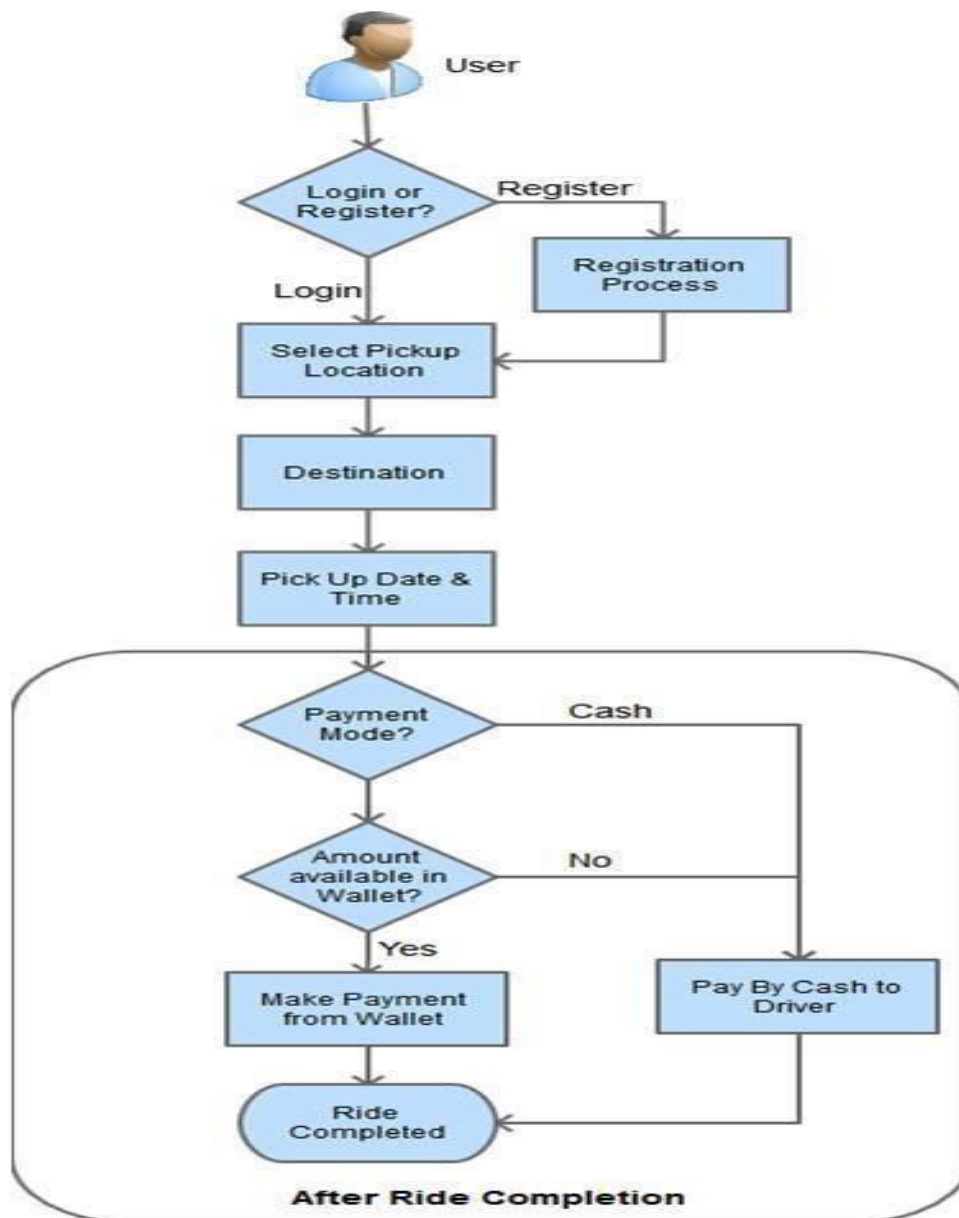


9.Present Theories and Practices:

Title	Author	Information
OLA CABS	Bhavesh Agarwal & Ankit bhati.	Ola Cabs is an Indian multinational ridesharing company, headquartered in Bangalore. It also operates in other business verticals including financial services and cloud kitchens. A variety of venture capitalists including Softbank have large stakes in the company
UBER	Travis Kalanick & Garret Camp.	Uber Technologies, Inc., based in San Francisco, provides mobility as a service, ride-hailing, food delivery, package delivery, couriers, and freight transportation

Proposed work

10. Architecture Diagram



11. Scope:

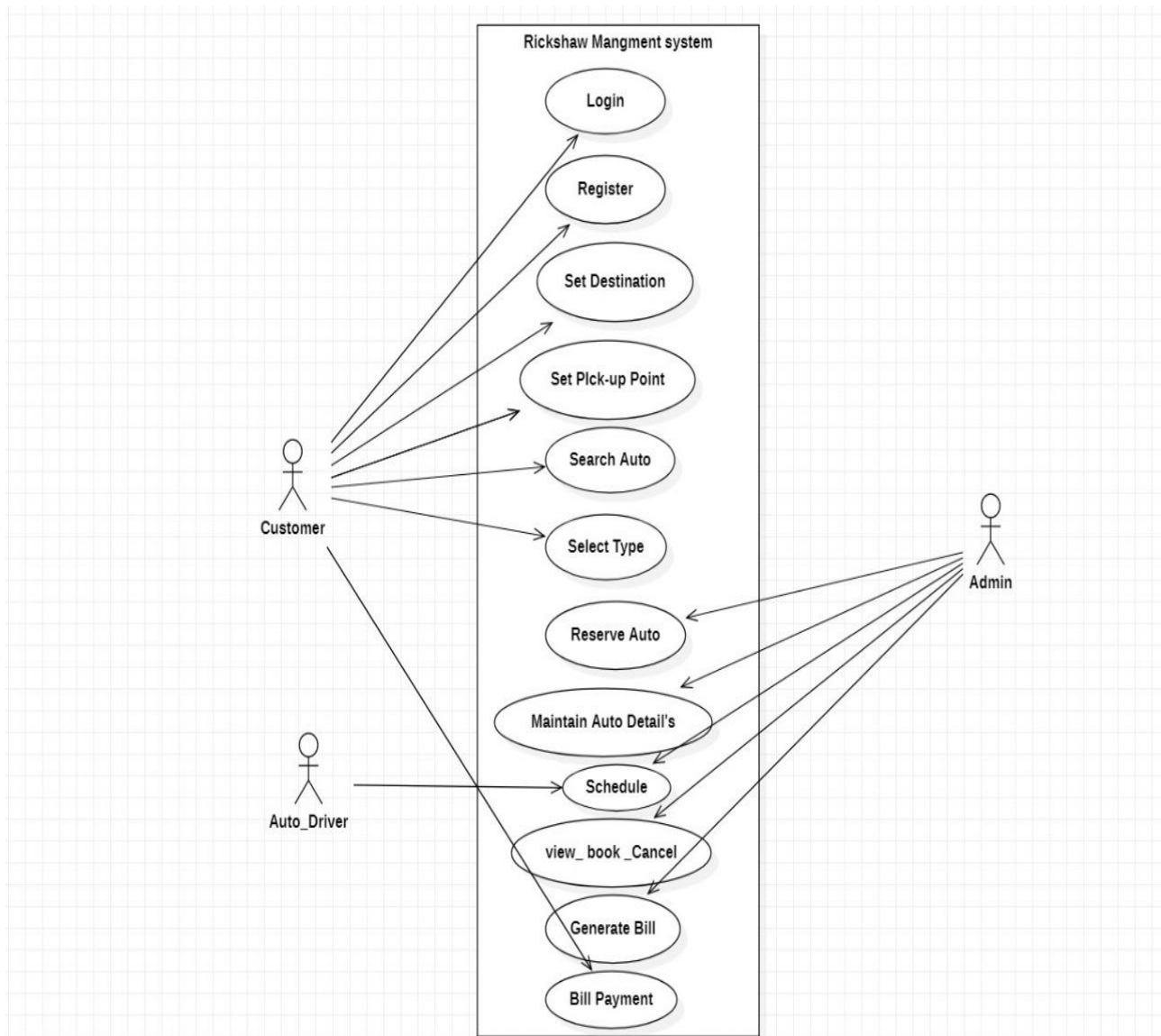
Online Auto-Rickshaw or Auto-Rickshaw booking System is to record the details various activities of user. It will simplify the task and reduce the work. Using this auto booking management system auto owner can also become partner of auto booking agency and can themselves also register for providing service and earn errands.

Online Auto rental management system is a Mobile-based application that allow users to book an auto online. From this system auto rental company can manage all auto bookings and customer information. User can book autos and admin can confirm the booking and cancel the booking on the basis of availability of the autos and drivers.

12. Methodology:

- i. Payment Gateway.
- ii. One-to-One Communication.
- iii. Notification Alerts.
- iv. Location Set : destination and Pickup-Point.
- v. Driver -Side Dashboard.
- vi. History Log

13.Use-Case.



14.Objectives:

- They may order Rickshaw from the convenience of their own homes or companies, which is handy for them
- It's incredibly secure since only logged-in users may book a cab, preventing attackers from viewing sensitive data.
- Users will be able to obtain the services they require under the new system like Vadaap -Rickshaw, Sharing Rickshaw, Private Rickshaw, Outstation-Rickshaw .
- Drivers do not need to drive around searching for passengers.
- Exact location of the passenger eliminates unnecessary time wasting.
- Taxi booking apps will help Auto-Rickshaws business grow by drawing in more passengers attention.
- Drivers do not need to drive around searching for passengers.
- Payment can be made in cashless way also, so customer do not need to carry amount of cash with them .

15.Project Requirements :

Mobile Application

❖ Server Side

- Minimum Hardware Requirement -
 - Processor 1.60GHz
 - RAM 512 MB
 - Hard Disk 40 GB
- Minimum Software Requirement -
 - Front End: React Native
 - Back End: Rest APIs , Node.js, JavaScript, Database.
 - Operating System: Window 7 above

❖ Client-Side

- Minimum Hardware Requirement -
 - RAM 2GB minimum
 - Operating System Android 7 and Above

Roll No.	Name of Project Group Member	Sign
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23	Sumit Ardalkar	
24	Niranjan Powade	

Guide Name	Project Coordinator	HOD (Mech/CSE/Civil)
Prof.	Mrs. R. A. Gurav	Dr. S. R. Arlimatti

16.References:

For Website References:

<https://reactnative.dev/docs/getting-started>

<https://nodejs.org/en/docs/>

<https://www.crunchbase.com/organization/ola/technology>