

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

SYNOPSIS OF PROJECT



1. Name of Program: Auto-Rickshaw Booking Management .

2.Name of Project Group Member:

Ayush patil	20
Pratemesh Sutar	21
Atikraja Khochikar	22
Sumit Ardalkar	23
Niranjan Powade	24

2. Project Identification No : 05

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

4. Proposed title : Auto-Rickshaw booking management.

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.

6. Synopsis of Project Work

Introduction / Relevance:-

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”.

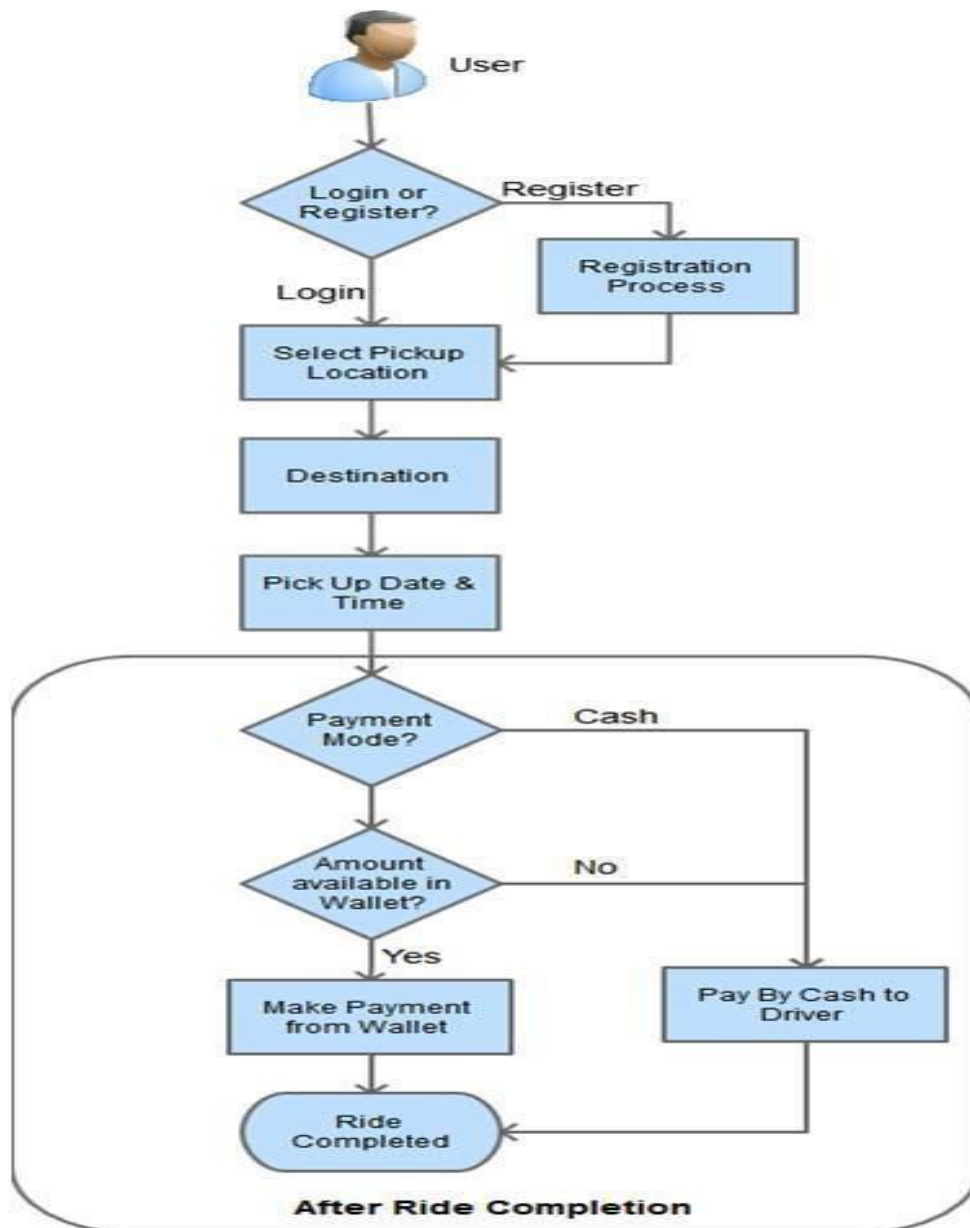
There are also many Situations that may occur due to which the need of such platform is necessary also to highlight Booking services like Ola and Uber are failed to give their services in cities like this although the prime focus of public transport here in cities like Kolhapur are Auto-Rickshaws, Due 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.

Present Theories and Practices:-

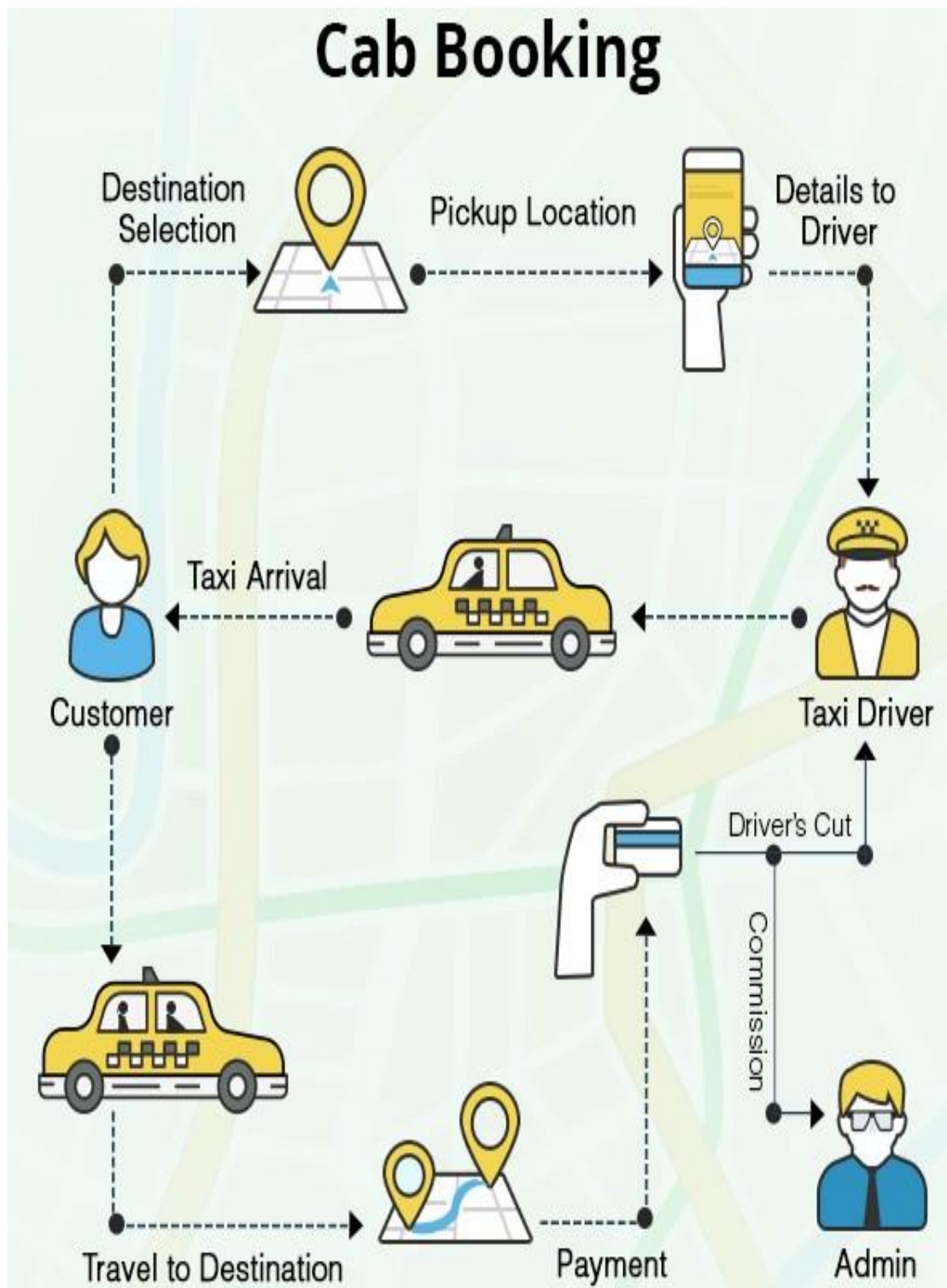
Title	Author	Information
OLA CABS	Bhavesb Agarwal & Ankit bhati.	Ola Cabs is an Indian multinational ridesharing company, headquartered in Bangalore. It also operates in other business verticals including financial services and cloud kitchens. A variety of venture capitalists including Softbank have 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

- Architecture Diagram



Data Flow Diagram:



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.

Methodology:

- **Google Map Integration.**
- **Payment Gateway.**
- **One-to-One Communication.**
- **Notification Alerts.**
- **Location Set : destination and Pickup-Point**

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 .

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
- Back End: Rest APIs , Node.js
- 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
20	Ayush Patil	
21	Pratmesh Sutar	
22	Atikraja Khochikar	
23	Sumit Ardalkar	
24	Niranjan Powade	

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

References:

For Website References:

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

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

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