



## QuickParking Based on web application

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July 4, 2020

# QuickParking Based on Web Application

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**Abstract** - Everyone who owns or drives a vehicle in India or abroad, would be all too familiar with the hassles of finding parking spaces, parking attendants, inconsistent or monopolized rates and other problems associated with it. This application is helpful for find parking area nearby. It will also be helpful for those who want to use their free space as parking area for others and want to earn money. It helps to reduce traffic problem and a new way to earn money. It will also help people to protect their vehicle from being stolen as the application contains full information of owner of the parking area. This Automated Vehicle Parking System(AVPS) project presents the requirement, design and implementation of an enterprise class application for QuickParking following a Model-View-Control Model. The application is designed to be scalable, extensible highly available and with good performance. Automated Vehicle parking system is a web based application. It uses [web documents](#) written in a standard format such as HTML and JAVA and the server used in this project is Apache tomcat server. It is called as QuickParking according to its purpose and uses.

**Key Words:** QuickRide, AVPS, Reduce traffic, Money earning, Parking Area, Security, QuickParking

## 1.INTRODUCTION

The current population of India is 1,376,566,797 as of Tuesday, March 31, 2020, based on Worldometer elaboration of the latest United Nations data. India 2020 population is estimated at 1,380,004,385 people at mid year according to UN data. The population density in India is 464 per Km<sup>2</sup> (1,202 people per mi<sup>2</sup>). The total land area is 2,973,190 Km<sup>2</sup> (1,147,955 sq. miles). This shows that we have less area for parking. This application will help to solve this problem.

## 1.1 Benefits of this application:

- 1.This app can be used by the person who need to find parking area and the person who have parking space.
- 2.If you have space in your house then you can allow person to park their car in your space and earn money.
- 3.Suppose you have a one parking space in your building own by you but your are not in daytime. In this daytime somebody else can use your parking area. This will help both owner and user.
- 4.This application is safe and secure. The person who allow to use their space for parking have to give their full detail.
- 5.When driver open the app using their id,he\she will get many options available nearby to park their car,they can chose according to their convenience which can be space or money.
- 6.This app will take date and time from the system automatically
- 7.It will automatically calculate price on the basis of outtime and intime
- 8.It will reduce traffic problem.
- 9.It will reduce the risk of car being stolen.
- 10.We know that parking area are also available in market. It will also help to find those space.

- 11. It helps to maximize the space for parking.
- 12. It creates an opportunity for money earning. It will reduce traffic problem.

**2. LITERATURE SURVEY**

- I have researched on all applications for this idea.
- Application like Zomato, Swiggy . But the main application that helps to create this idea is Quickride , Sride which are being used in my office.

**2.1 About QuickRide:**

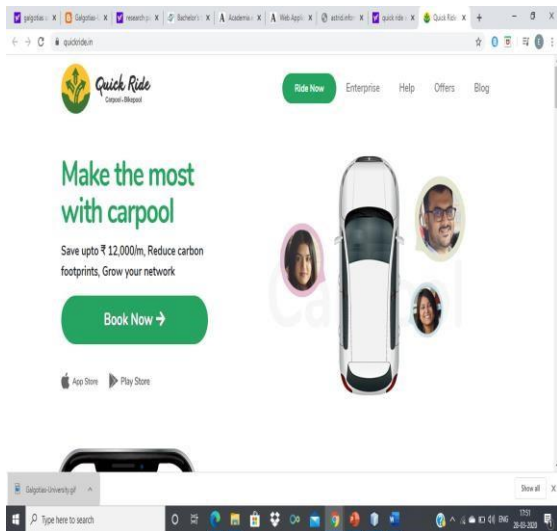


Fig-1 Quick Ride

**1. What is quickride app?**

Quick Ride is India’s largest carpooling and bike pooling platform. The fast Ride application facilitates ride-sharing by giving users a option to either provide or notice rides.

**2. How will a user get advantages from quickride?**

Quick Ride is an application that permits users to share rides, share travel prices, cut back traffic and pollution, all at an equivalent time.

A ride giver reduces his/her travel prices by sharing fuel expenses with different passengers. A ride taker gets to share empty seats in ride giver’s vehicle and features a comfy commute.

**4. How is it environment-friendly?**

Quick Ride helps in reducing the quantity of vehicles on empty seats in already travel vehicles that go empty.

**2.2 About SRide:**

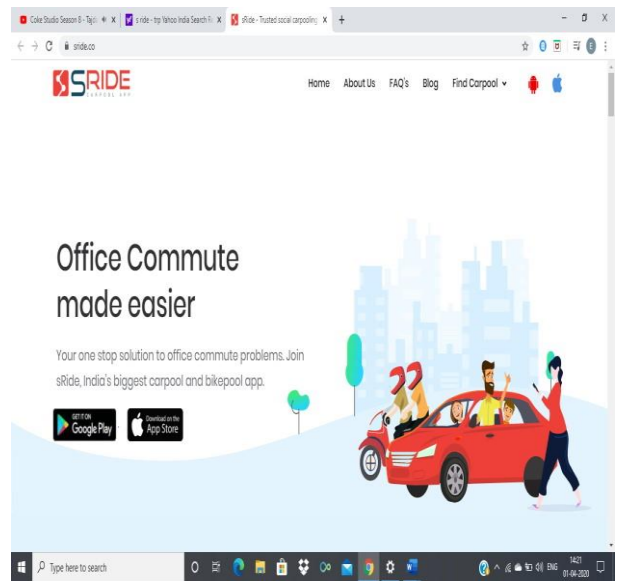


Fig-2 SRide

**Benefits of fast ride:**

1. Reduce Pollution & Save Environment
2. Carpool reduce traffic and pollution.

**3. Proposed Methodologies**

QuickParking is an application which helps to find nearby parking area.

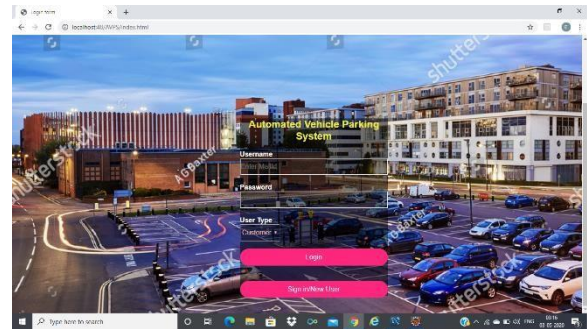
It will allow people to use their free space for parking and can earn money.

It will provide security to the car as the application will contain full information about parking area.

It’s a new idea.

## 4. ENVIRONMENTAL SETUP

1. The user or owner has to register themselves if they are using the application for first time.



2. If they are already Registered they have to login using Unique id.

3. If he/she is a user/owner then the all the activity on QuickParking will be stored in database.

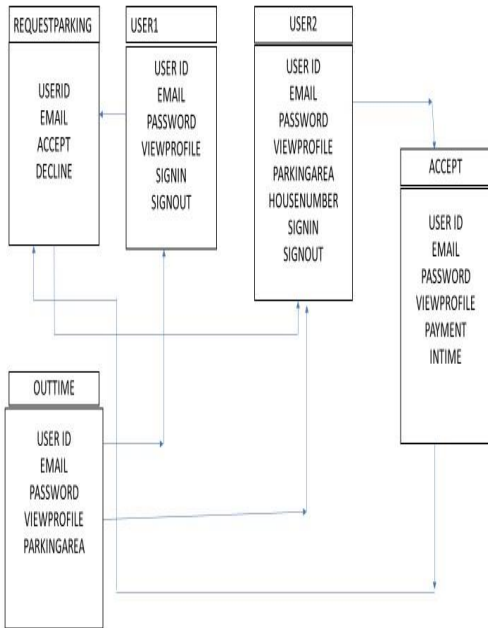
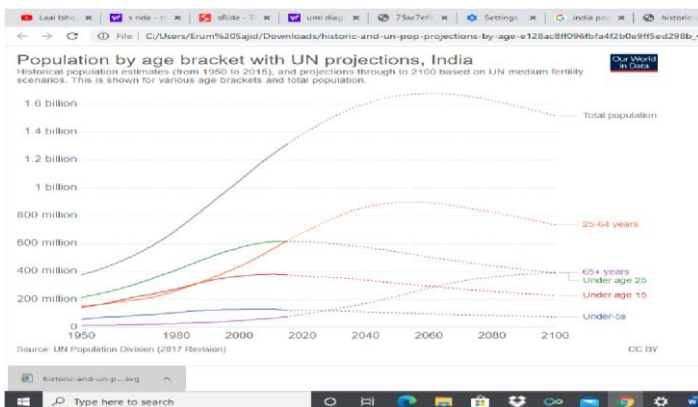


FIG-3 UML DIAGRAM FOR QUICKPARKING(AVPS)



Graph 1- showing population of India.

The QuickParking application will contain the most important things:

1. The application will be deployed on the user and owner.
3. The central database which will manage other database and control the activities.
4. feedback and comments history will be displayed on application server.

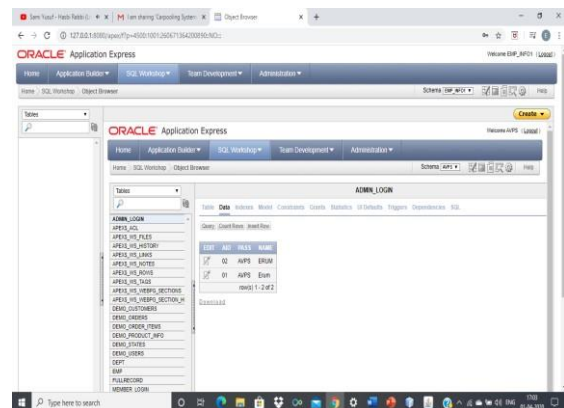


FIG-4 LOGIN DATABASE

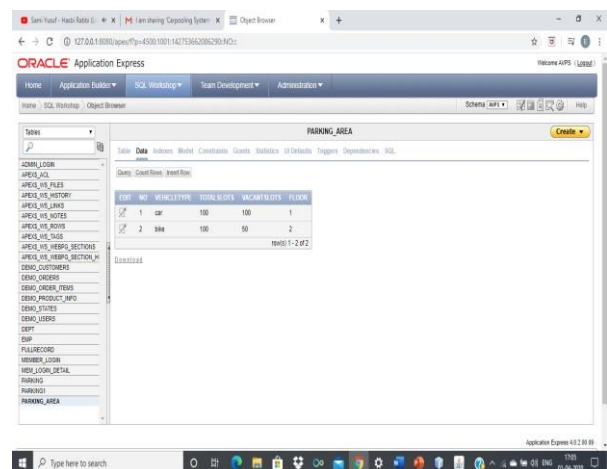
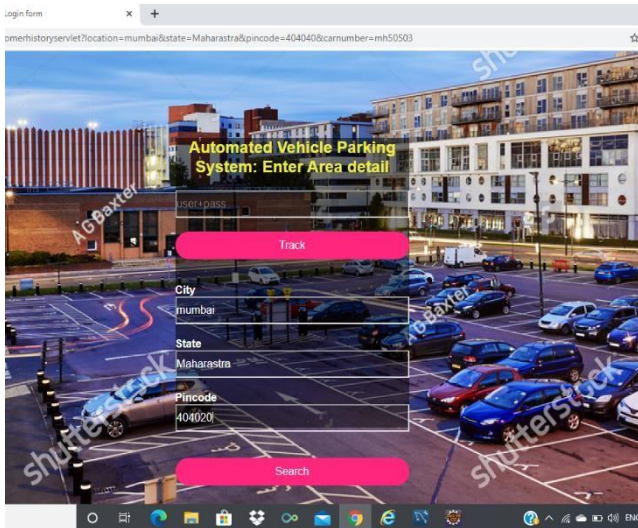


FIG-5 PARKING DETAIL DATABASE

4. User will search nearby parking area.



## CONCLUSIONS

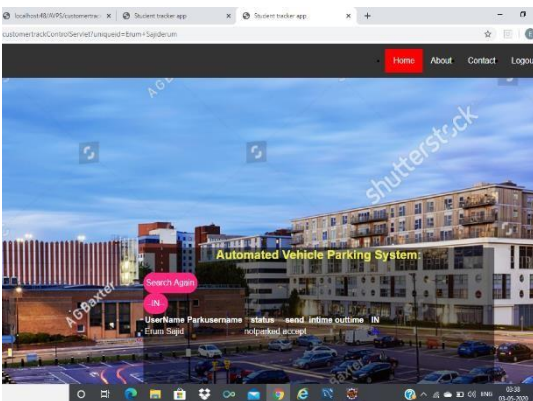
By using QuickParking ,

- ➔ It helps to maximize the space for parking.
- ➔ Traffic problem will be solved.
- ➔ It create an opportunity for money earning.

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5. User will send request to chosen owner and if get accepted then user can click on IN button while entering the parking space. Vehicle entry intime and outtime will be taken by system.



6. Vehicle exit page will automatically calculate the cost of parking depending on the time for which vehicle is parked.

