

Automated Vehicle Parking System

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Abstract -Everybody owns or drives a vehicle in Asian country or abroad, would be only too accustomed to the hassles of finding parking areas, parking attendants, inconsistent or monopolized rates and different issues related to it. This application is useful for realize park near .It will even be useful for people who need to use their free house as park for others and wish to earn cash. It helps to scale back traffic drawback and a replacement thanks to earn cash. It'll additionally facilitate folks to guard their vehicle from being purloined because the application contains full info of owner of the park. This project presents the necessity, style associated implementation of an enterprise class application for automatic Vehicle Parking System following a Model-View-Control Model. The appliance is meant to be ascendible, extensible extremely accessible and with sensible performance. Automatic Vehicle parking system could be a internet primarily based application. It uses internet documents written in a very customary format like hypertext markup language and JAVA and therefore the server utilized in this project is Apache house cat server. Automatic Vehicle Parking System can even be referred to as as Automated vehicle Parking System consistent with its purpose and uses.

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

1. INTRODUCTION

The current population of Bharat is one,376,566,797 as of Tues, March 31, 2020, supported Worldometer elaboration of the most recent world organisation information. Bharat 2020 population is calculable at one,380,004,385 folks at middle year per international organisation information. The population density in Bharat is 464 per Km² (1,202 folks per mi²).The total surface area is two,973,190 Km² (1,147,955 sq. miles).This shows that we have a tendency to have less space for parking. This application can facilitate to unravel this downside.

1.1 Benefits of this application:

2. LITERATURE SURVEY

- I have researched on all applications for this idea.

1. This app will be utilized by the one who ought to notice parking lot and therefore the one who have parking zone.
2. If you've got house in your house then you'll enable person to park their automotive in your house and earn cash.
3. Suppose you've got a 1 parking zone in your building own by you however your aren't in daytime .In this daytime someone else will use your parking lot .This will facilitate each owner and user.
4. This application is safe and secure . The one who enable to use their house for parking ought to offer their full detail.
5. When driver open the app exploitation their id, he\she can get several choices obtainable close to park their automotive, they can selected per their convenience which might be house or cash.
6. This app can take date and time from the system mechanically
7. It will mechanically calculate value on the idea of out time and in time
8. It will cut back traffic downside.
9. It will cut back the danger of automotive being purloined.
10. We know that square measure|parking lot|car park|park|lot} are conjointly obtainable in market. it'll conjointly facilitate to seek out those house .
11. It helps to maximise the house for parking.
- 12.It creates a chance for cash earning. it'll cut back traffic downside.
11. It helps to maximize the space for parking.
- 12.It creates an opportunity for money earning. It will reduce traffic problem. The road. fast Ride facilitates the users to replenish the

- 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:

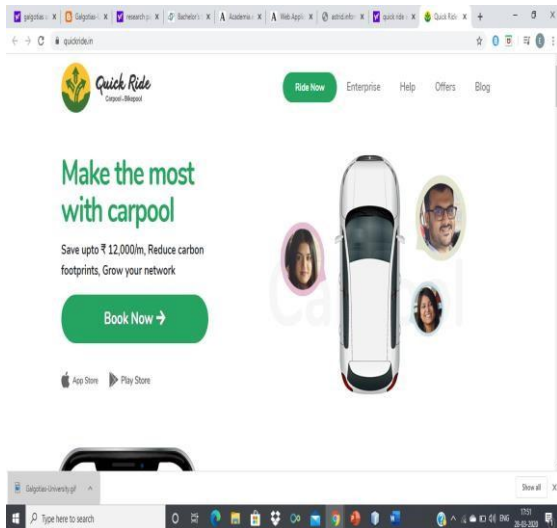


Fig-1 Quick Ride

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.

3. 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:

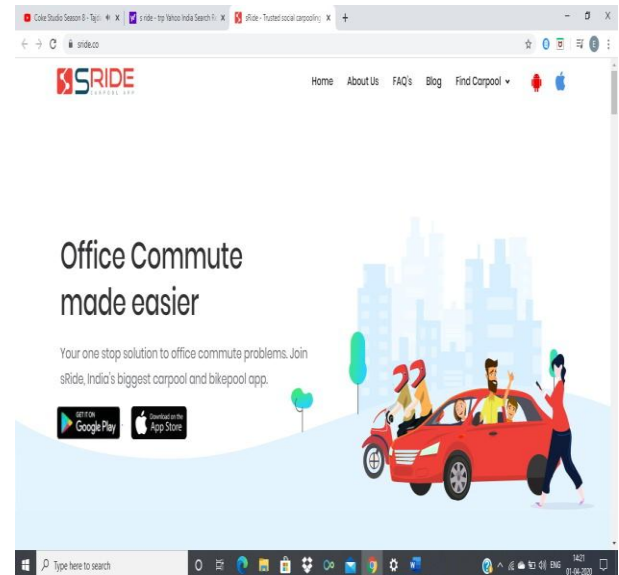


Fig-2 SRide

Benefits of fast ride:

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

Automated vehicle Parking System is associate degree application that helps to search out close car park. It will enable folks to use their free house for parking and may earn cash. It can give security to the automotive because the application will contain full data concerning car park. It’s a brand new plan.

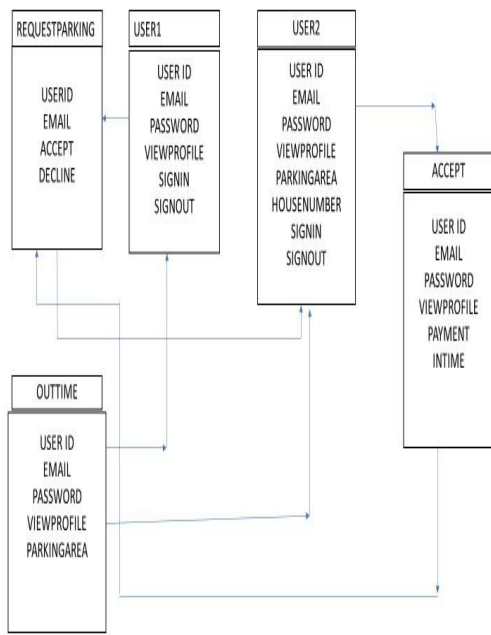
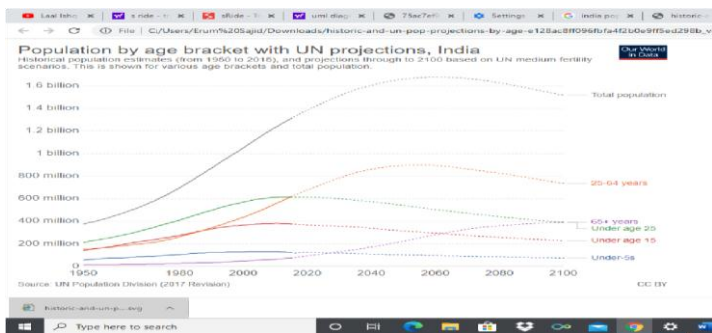


FIG-3 UML DIAGRAM FORQUICKPARKING (AVPS)



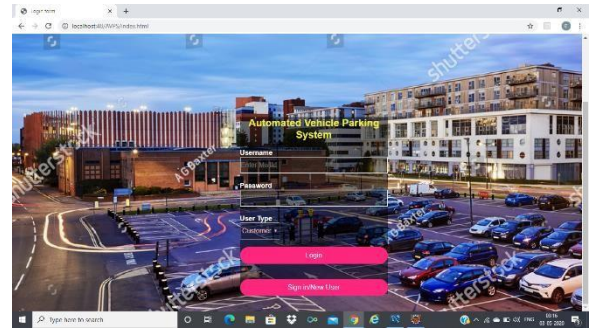
Graph 1- showing population of India.

The QuickParking application will contain the most important things:

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

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 and password.
3. If he/she may be a user/owner then the all the activity on Automated vehicle Parking System are keep in information.

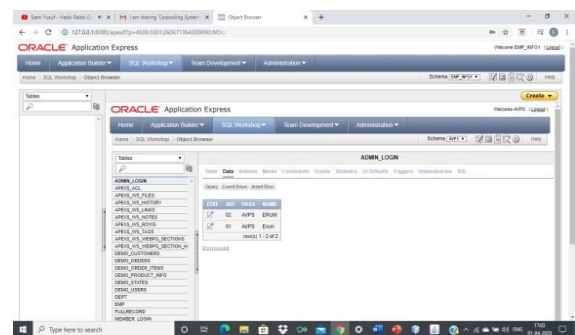


FIG 4 LOGIN DATABASE

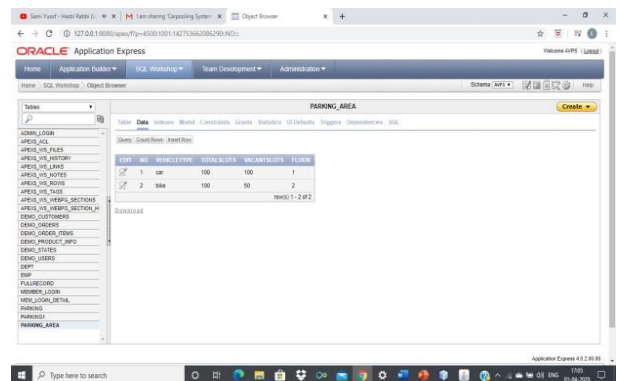
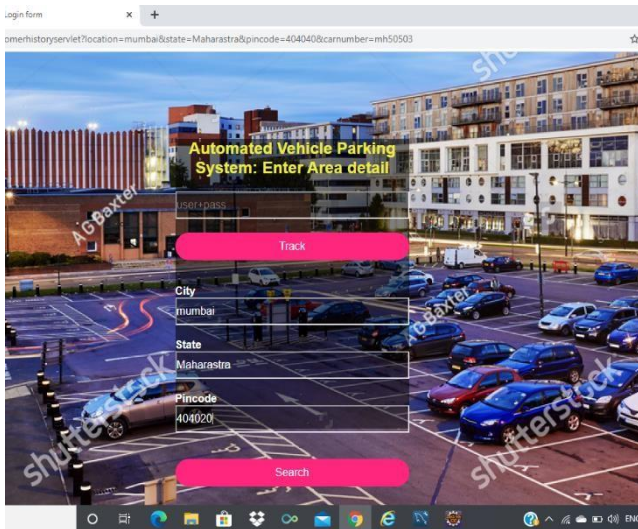
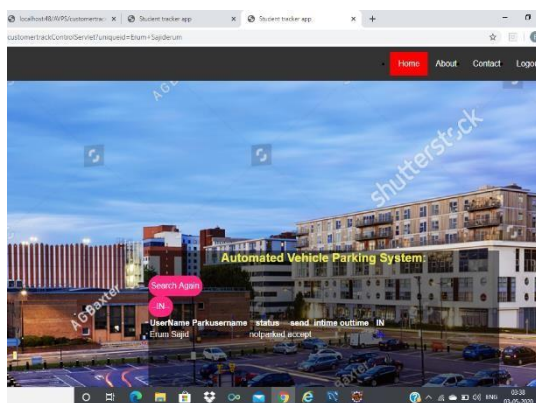


FIG-5 PARKING DETAIL DATABASE

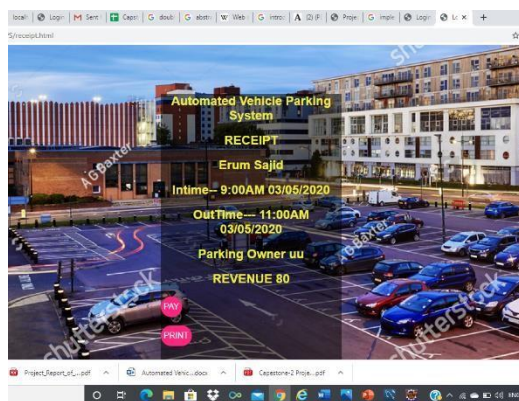
4. User will search nearby parking area.



5. User can send request to chosen owner and if get accepted then user will click on IN button whereas getting into the parking lot. Vehicle entry intime and outtime are taken by system.



6. Vehicle exit page can mechanically calculate the value of parking reckoning on the time that vehicle is place.



CONCLUSIONS

By victimisation Automated vehicle Parking System,
 It helps to maximise the area for parking.
 Traffic downside are going to be resolved.
 It produce a chance for cash earning.

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