A PROJECT REPORT ON

"Mobile App For Car Pooling Using Bootstrap Responsive Design"

Submitted as a part of course activity in

OPERATING SYSTEMS

Submitted by

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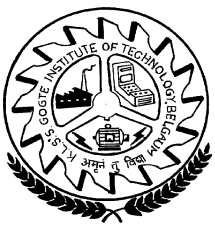

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I. INTRODUCTION

Carpooling is commonly implemented for commuting but is increasingly popular for longer one-off journeys, with the formality and regularity of arrangements varying between schemes and journeys.

Carpooling is not always arranged for the whole length of a journey. Especially on long journeys, it is common for passengers to only join for parts of the journey, and give a contribution based on the distance that they travel. This gives carpooling extra flexibility, and enables more people to share journeys and save money. Drivers and passengers offer and search for journeys through one of the several mediums available. After finding a match they contact each other to arrange any details for the journey(s). Costs, meeting points and other details like space for luggage are agreed on. They then meet and carry out their shared car journey(s) as planned.

The idea is to bring together car owners and passengers looking for carpool service. The users have to make clear that they are willing to share personal vehicles with people travelling to the destination daily. The application seeks details about the starting and end points of travel which are processed to draw a list of professionals who have identical requirements.

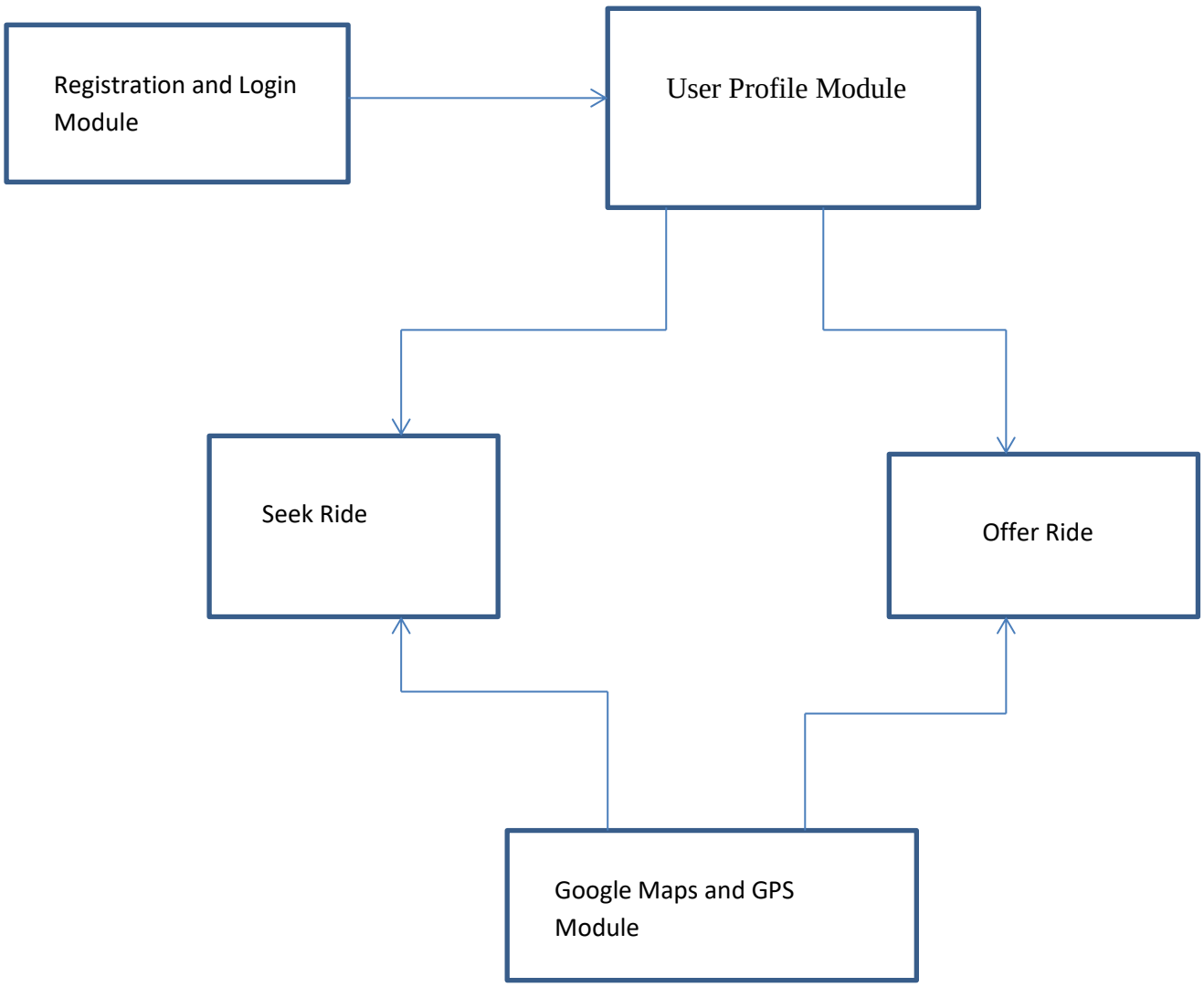
icar: An Android app for making carpooling much easier

This project provides carpooling facility to help users. An open source android application which helps people in offering/selecting rides to destination. This app allows users to register using email id and login. It provides users with mainly three options

1. Registration
2. Offer Rides
3. Seek Rides

This app allows users to update their personal information. It also helps users in offering rides to particular destination. Along with that it also allows user to search for any rides to particular destination, book specific rides and receive all the information using emails.

II. BLOCK DIAGRAM



III. CODE

(Please find the code in the file attached.)

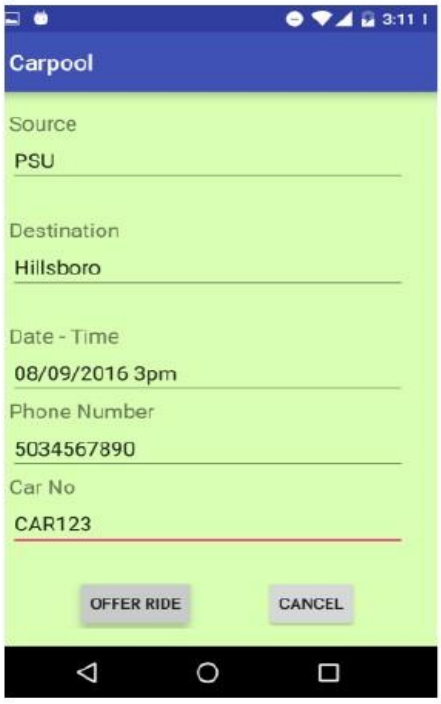
IV. SNAPSHOTS OF THE APP (RESULT)

User email validation

User Registration

Home Screen

Offer Ride Activity



Home Screen

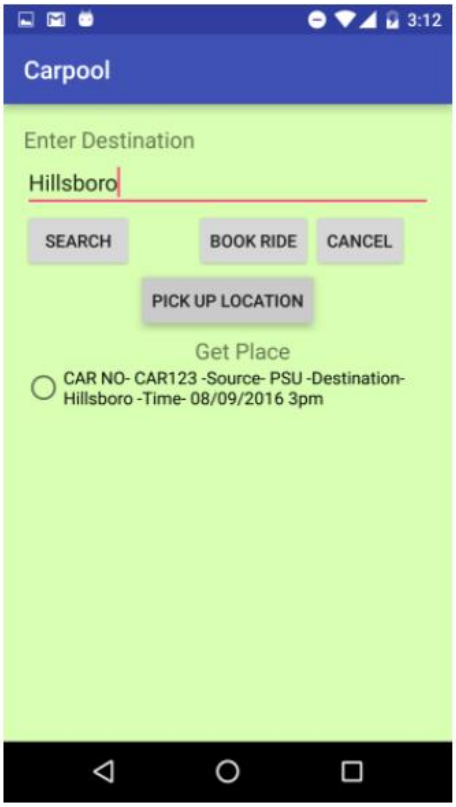
Update Profile Activity

Home Screen

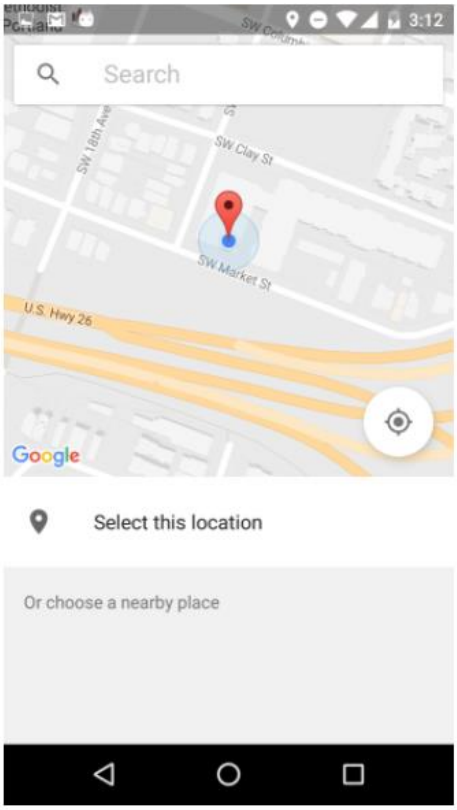
Search Ride Activity

Search Ride Activity

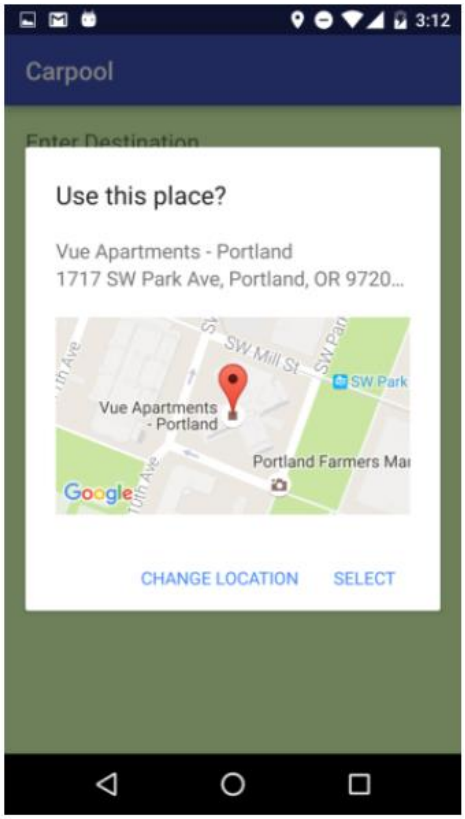
Available Rides



Search Location



Confirm Location



Ride Selection

Ride Selection

Ride Booked

V. CONCLUSION

This report elaborates on the android application which consists of 3 main modules which are Offer a ride, Seek a ride, and user authentication via Registration. This system involves support from Google maps services and GPS module to provide user specific services.

Future Enhancements:

1. Integrate with a pay service
2. Introduce reward points to increase the number of customers
3. Feedback
4. Emergency

VI. REFERENCES

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