

APNI GADDI

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Abstract—Carpooling has become a practical, cheap, and stress-free way to move around. This project presents the requirement, design and implementation of an enterprise-class application for carpooling following Model-View-Controller model. The added features, compared to available applications, are different kinds of trips, a check-in system, and social media integration. The two kinds of trips are single trips, which are trips between two cities, and frequent trips which are the ones that commuters do every day. The check-in system enables users to check in meetings points and notify all users about that. Users can also share their activities on the application thanks to social media integration. The application is designed to be scalable, extensible, highly available and with a good performance.

I. INTRODUCTION

The carpooling problem consists of. defining the subsets of passengers that will share each. vehicle and the routes the drivers should follow, such. that sharing is maximized and the total transportation. cost is minimized. We know that people tend to be more motivated when the ambience in which they work feels right and makes them happy. Each person becomes motivated by combining the pride of delivering quality with the happiness of achieving things in an optimistic and fun way.

II. EXISTING SYSTEM

The Existing System is Capable to travel with employee of a cab service providers.(for Example Uber, Ola, Rapido).A system is available for single passenger or knowing persons of passengers. A system has able to work to earn money but it has not able to work for save money, fuel and not able to fill all empty seats. So Apni Gaddi is capable for save money as well as save fuel and to fill empty seats also.

III. METHODOLOGY

For Completing this Project, we had carried out the following steps in below mentioned Manner:

- Login: - Using username and password Ride Publisher and Ride Passenger can login into system. If authentication is failing both cannot login into system.
- Publish Ride : - Ride Publisher can publish ride for empty sits. It can cancel ride.
- Search Ride :- Ride Passenger can search a ride for a location.
- Your Rides :- Ride publisher and ride passenger can able to see their old rides.
- Inbox :- Ride publisher and ride passenger can communicate each other with the help of Inbox facilities.

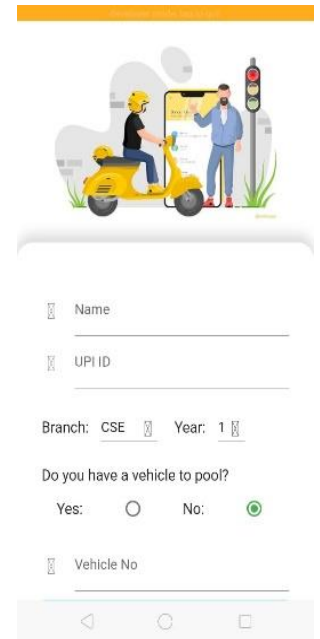
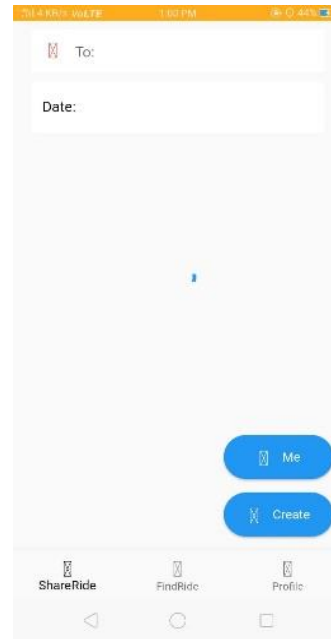
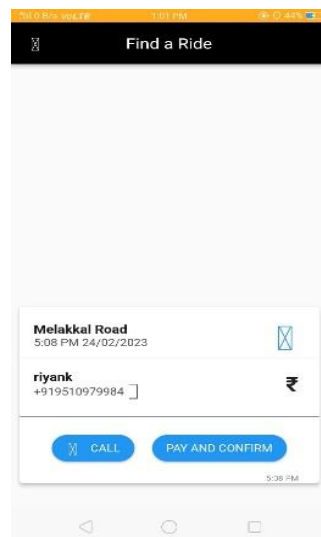
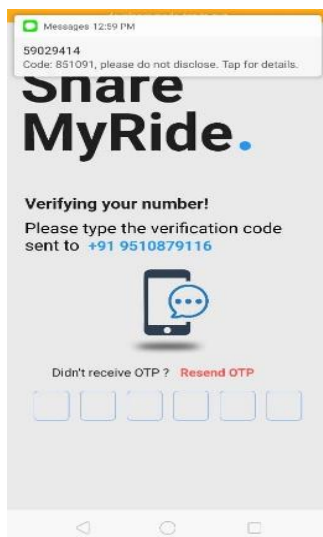
IV. PROPOSED SYSTEM

It involves gathering and analysing data, determining issues, and breaking down a system into its constituent parts. System analysis is done to investigate a system or its components in order to pinpoint its goals. It is a technique for solving problems that makes the system better and makes sure that all of its parts function effectively to serve their intended purposes. All work in the Apni Gaddi System is done manually. The Massachusetts Institute of Technology campus carpooling study revealed that travel distance was cut by 9% to 27%. Carpooling is a way for communities to lessen pollution and traffic congestion. According to some studies, sharing rides with others is motivated by concern for the environment.

- Consumer has to Registered on Web Application using their Name, Email, Contact No. and Address.
- After Registration User Will Receive a Unique Id on their Email.
- Existing System does not provide safety system.
- Existing System have to explore more about security System.

- Flexibility could be harmed Carpooling has a number of benefits, but there are some drawbacks as well. The lack of flexibility that comes with carpools is one drawback.
- Responsibility for passengers . Still not entirely eco-friendly.
- Everyone should travel to the same location and follow the same schedule. The majority of carpoolers choose to commute between their homes and workplaces.
- Therefore, unless all carpool members agree to it, the carpool shouldn't make unforeseen stops for errands. Your automobile is now a communal area, so keep it clean and in good condition at all times, especially if other people are paying you to carpool.

V. RESULTS



VI. CONCLUSION

APNI GADDI is based on a classic P2P market. Person can entry list empty seat on the website/app with information about the vehicle and themselves. APNI GADDI works as an intermediary, it does not provide any cars or chauffeurs. Passengers who need a ride look for appropriate offers and contact the person through app/website. From this point on, person and passengers do not need APNI GADDI anymore, trip details are communicated via smartphone and the journey begins. After the trip, APNI GADDI provides a rating system to other members the quality of the driver.

VII. REFERENCES

- [1] Akar, G., Flynn, C., Namaung, M. (2012), "Travel Choices and Links to Transportation Demand Management", Ohio State University.
- [2] B. T. Morris, C. Tran, G. Score, M. M. Trivedi, and M. J. Barth. (2012), "Real-time video based traffic measurement and visualization system for energy or emissions", IEEE Trans. Intell. Transp. Syst., vol. 13, no. 4.
- [3] F. Terroso-Saenz, M. Valdes-Vela, C. Sotomayor-Martinez, R. Toledo-Moreo, and A. F. Gomez-Skarmeta (2012), "A cooperative approach to traffic congestion detection with complex event processing and VANET", IEEE Trans. Intell. Transp. Syst., vol. 13, no. 2, pp. 914-929.
- [4] F. Y. Wang, S. Tang, Y. Sui, and X. Wang (2003), "Toward intelligent transportation systems for the 2008 Olympics", IEEE Intelligent, vol. 18, pp. 8-11.
- [5] R. Barrero, J. V. Mierlo, and X. Tackoen (2012), "Energy savings in public transport, IEEE Vehicular Technology Magazine", vol. 3, pp. 26-36.
- [6] R. Fagin and J. H. Williams (1983), "A Fair Carpool Scheduling Algorithm, IBM Journal of Research and Development", vol. 27, pp. 133-139.
- [7] S. Tsugawa and S. Kato (2010), "Energy ITS: other application of vehicular communications, IEEE Communications Magazine", vol. 48, pp. 120-126.

- [8] Swati. R.Tare, Neha B.Khalate, Ajita A.Mahapadi (2013), "*Review Paper On CarPooling Using Android Operating System, A Step Towards Green Environment*", Volume 3, Issue 4, Pages 54,55,56.
- [9] V. Milanes, J. Godoy, J. Villagra, and J. Perez(2011), "*Automated on-ramp emerging stem for congested traffic situations*", IEEE Trans. Intell. Transp. Syst., vol. 12, no. 2, pp. 500-508.

