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Vehicle Breakdown Assistance Finder

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Abstract

On Road Vehicle Breakdown Assistance can be a valuable solution for people who face mechanical issues with their vehicles in remote locations. By registering with the On Road Vehicle Breakdown Assistance system, users can connect with licensed and approved mechanics who can provide trustworthy assistance.

One of the benefits of using this system is that users no longer need to rely solely on their own limited database of mechanics. Instead, they can access a list of mechanics at any location or nearby locations, which can be helpful in unexpected situations.

Overall, On Road Vehicle Breakdown Assistance can be a useful service for anyone who needs reliable and timely assistance when facing mechanical issues with their vehicle. By leveraging technology and a network of trusted mechanics, this system can provide peace of mind for drivers on the road.

Introduction

It seems like you are discussing the benefits and features of a proposed On Road Vehicle Breakdown Assistance system that can help drivers in case of vehicle breakdowns while traveling. The system will provide a list of legally licensed and approved mechanics in the area and allow users to search for mechanics based on their location. The system will also have a chat platform for users to ask relevant questions to the mechanics, and after the job is completed, users can rate and provide feedback to the mechanic. The system aims to reduce the time and effort required to find a proper mechanic, and the user can access the system through an Android application. The proposed system can be useful in reducing the amount of time required to search for mechanics once a vehicle breakdown occurs, especially in remote or unfamiliar locations. The application will use the user's current location to decide the nearest mechanic workshop or their garage available and

display all the remaining mechanic shops in ascending order of the distance from the user. The system also allows users to search for vehicle spare-part shops if needed. Overall, the system is designed to provide an efficient and reliable solution for users who face vehicle breakdowns while traveling.

Literature Survey

These three papers address different aspects related to vehicles and their usage.

The first paper by Akhila V Khanapuri et al (2015) focuses on improving fuel efficiency and providing assistance in case of vehicle breakdown. The proposed solution is an android application that monitors various parameters of the vehicle through an On board Diagnostics (OBD-II) system. This paper aims to help amateur drivers with gear changing and provide assistance in case of a breakdown.

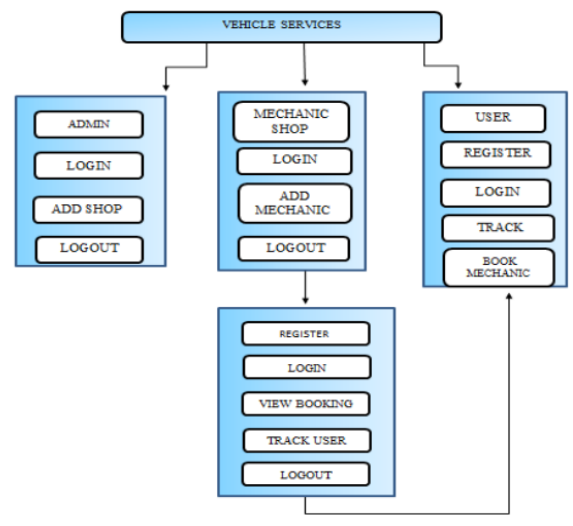
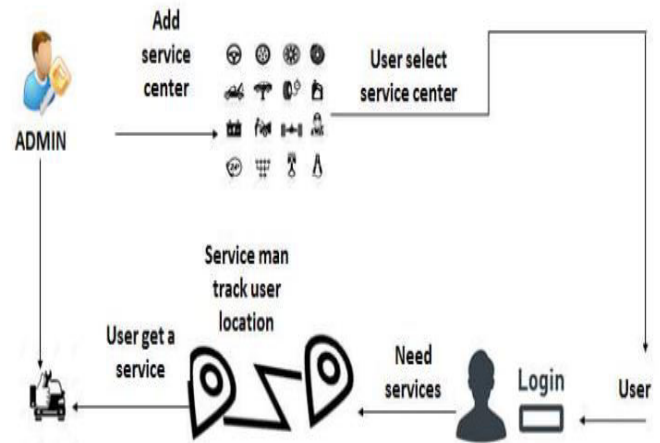
The second paper by Huang Yan et al (2014) discusses the GPS common/all-view method, which is used for long-distance time and frequency transfer. The paper introduces a high real-time multi-channel GPS time transfer receiver and post-processing algorithms based on EURO-160 GPS board to verify the accuracy of the GPS time transfer receiver. This paper aims to demonstrate that the high real-time GPS receiver and foreign commercial GPS P3 code receiver have the same technology level.

The third paper by Khoo Jin Sheng et al (2016) analyzes the incidents of car breakdown on the road and proposes a Car Breakdown Service Station Locator System. The paper discusses the planning and analysis of the system and the development of a system that connects Car Repair Service Providers (CRSP) and the public.

Overall, these papers provide insights into different aspects of vehicle usage, including fuel efficiency, time and frequency transfer, and breakdown service. They propose different solutions to address these issues and demonstrate their effectiveness through experiments and analysis.

Methodology

It seems like you are describing the different phases of a proposed system for car breakdown service. Phase 1 involves adding registration of mechanics, users, and spare parts to a database, while Phase 2 is an API for live tracking that allows users to register and request a mechanic, with the system using geo locator API to track their location in real time. Phase 3 is focused on finding nearby spare parts shops in case a repair requires replacement of parts, using a search function to find registered shops nearby. This system could potentially provide a more efficient and streamlined process for car breakdown service, connecting users with mechanics and spare parts providers in real time.



Implementation

It seems that your description is related to an application that aims to provide a platform for drivers to easily locate nearby mechanics or spare parts shops in case of a breakdown. The application offers a user-friendly interface and allows drivers to save time and money by finding mechanics or spare parts shops with the help of their mobile phones. The application provides direct communication between the driver and the mechanic and helps mechanics and drivers work more efficiently. To use the application, users need to create an account and log in with their phone number or a username and password. Mechanics also need to log in to their profile to be visible to people who are near them and seeking help. The application can be downloaded on Android phones and tablets and provides 24/7 services.

Conclusion

It sounds like the proposed system will bring many benefits to both the users and the mechanics. By offering a user-friendly interface and real-time tracking, users can quickly locate nearby mechanics and spare parts shops, saving them time and hassle. In turn, mechanics can benefit from increased visibility and direct communication with potential customers. Additionally, the web application promises to streamline the job application process and make result preparation and management more efficient for companies. Ultimately, the system provides a sense of security and peace of mind for vehicle owners, knowing that help is just a few clicks away in the event of a breakdown.

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