

Web Development for On-Road Vehicle Breakdown Assistance

T. Janani, Ms. P.Priyadharshini, Ms. V. Priyadharshini

Information technology Department, Vivekanandha College of Engineering for Women, Namakkal, India

ABSTRACT - When a person needs assistance with mechanical problems in their vehicle and is in a remote area, On-Road Vehicle Breakdown Assistance will be a useful option. The registered public will use the On Road Vehicle Breakdown Assistance service, and the reliable On Road Vehicle Breakdown Assistance (ORVBA) system will connect them with the specific mechanic. Because the On Road Vehicle Breakdown Assistance (ORVBA) Finder Project only lists mechanics who are duly licensed and approved. Additionally, as each user updates their feedback about the services they have received through the ORVBA system, they are being watched by the ORVBA system to ensure they are not collecting additional fees from users. MySQL Server was used as the back-end database and PHP was used to construct this project. Employees of the organization can monitor each customer's order and provide solutions for their vehicle problems using this fully customized desktop application for vehicle management. It is possible to look up Mechanics from various areas using the locating system. Both the user and mechanic details are managed by the administrator, who also has access to them. The administrator can check the mechanics and grant or deny access. This online mechanic locator can quickly locate mechanics in a variety of locations, saving your time and effort saves you money and time

I. INTRODUCTION

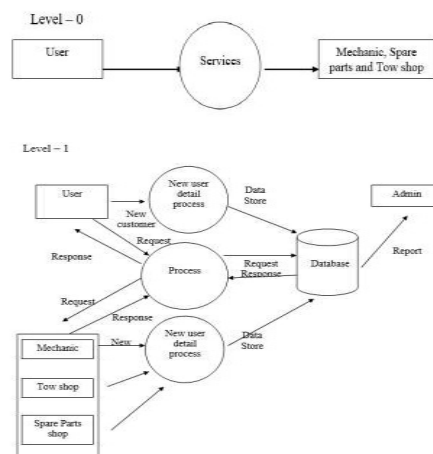
The Road support app was created to offer 24/7 emergency roadside support services to guarantee a happy and uninterrupted travel experience almost anywhere. In the event of a vehicle breakdown, the application is intended to improve customer experience and provide prompt, hassle-free treatment. Our program will use all available resources to find the closest service provider to the user's location and direct them there.

II. PROPOSED SYSTEM

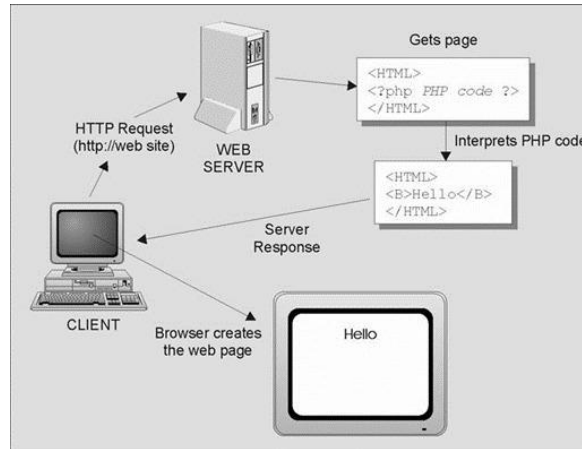
The On Road Vehicle Breakdown Assistance (ORVBA) system allows users to search for a local list of mechanics or towing businesses who can help them in the event of an emergency brought on by a mechanical problem with their cars. Only certified mechanics are eligible to be mentioned here throughout the search. Furthermore, there are mechanics available to address any mechanical issues with the user's vehicle or, if required, tow it to the show.

III. EXISTING SYSTEM

In the existing system, there are users with quite small personal mechanic databases. Moreover, they have no idea if their cars are having technical issues or are broken down in far locations from reputable experts or tow firms. Users who have contacts with people there are only permitted to ask for help from them if they are ready. It is impossible to find the suitable mechanic in remote places to do the required service. Their only choice at this time is to look for alternative modes of transportation. Subsequently, customers need to schedule a repair to be made at the precise spot where they parked their vehicle.



SYSTEM REQUIREMENTS



DATA FLOW DIAGRAM:

SYSTEM REQUIREMENT & TECHNOLOGY SOFTWARE SPECIFICATION

Platform : Windows 10/11 Front-end Tool : PHP

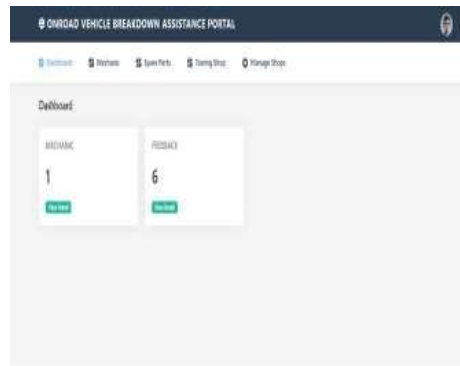
Back-end Tool : MY SQL

MODULES USER:

- Register: In order to access the application service, the user must register their information.
- Login: Following registration, users must log in to use the service when needed.
- View Details: You can access the listings of mechanics who have the admin's approval by logging in to the application.
- Search records & calls: Depending on their location and time, users can look up a technician, auto parts store, or towing company from the list.

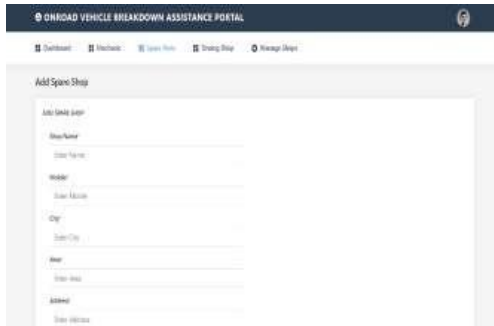
ADMINISTRATOR:

- Grant Approval: Following verification of the registered mechanic's license information for the effective service, the administration must grant approval.
- Register: In order to receive approval, each mechanic must first register their information with the admin.
- Login : Upon receiving authorization from the administrator, registered mechanics can access their accounts.
- Post details: Here, mechanics are required to list their contact information, including name, address, and services rendered.



SPARE PARTS:

The administrator can input the specifics of nearby spare part stores.



VEHICLE TOWING SHOP:

The administrator has the ability to add, amend, and remove towing shops everywhere.



FEEDBACK:

Mechanics must maintain or enhance their services by utilizing the input they receive from users and consumers.



CONCLUSION:

This system meets all of the company's criteria, and the application was created using cutting-edge PHP software, which is utilized in many applications. All conceivable data samples were used to test the system, and the results show that it performs very effectively and that manipulating and maintaining data is feasible. Problem analysis serves as a foundation for the design and development phases of software development. The issue is examined to ensure that there is enough information available to create a new system. To make complex issues more comprehensible and facilitate the discovery of answers, larger problems are separated into smaller ones. Similarly, every task in this project has been categorized and subdivided. We described the design and

development of an Android application named Road assistance system in this Road Vehicle Breakdown Assistance Finder management report in php paper. This application allows mobile users to get travel-related service information at any time and from any location. Based on the user's location, the system provides information queries about fuel stations, hospitals, service stations, and the significance of services for travelers, such as flat tire service provider details and tow service provider details. The system will improve the user's tour and quality of life by combining web services with smart phone functionality. The application, which is kept on the server as part of the larger roadside assistance service, provides access to tow service details. The position of the user on the map is indicated with positioning support (GPS). The application that was developed successfully offers one-touch accessibility for finding necessary services.

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