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My Stocks Portfolio Vehical Breakdown Assistance Platform

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ABSTRACT: An app to locate the nearest mechanic when you're stuck in a small town or out of city region with vehicular trouble. It is a best solution for people facing these kinds of situations. The app has a list of certified technicians and the network keeps tabs on all, so they do not charge any user more than their services worth. The system collects user input for the services delivered, which allows the admins to oversee. All registered users have this platform where they can easily find a mechanic without wasting time. Some features you may like as daily travel is an essential part of our life, this app helps in solving the vehicle breakdown on your way to home or office. This will not happen if there is a problem while going to another area and the auto breaks down in some remote place, since you can either fix it on your own or have gone over close-by mechanics. In such cases, finding a mechanic for repairs that is appropriate may be tough and laborious.

Solutions to these problems have led the project of helping users who has had car trouble on their way. The app allows to develop a solution for this problem by offering other associated services in addition to getting your users hooked-up with the closest mechanic at their location within no time.

KEYWORDS: Mechanic, application, traveling, breakdown

I. INTRODUCTION

Problems faced when a break down happens on the way to one of your dream destinations either you may try and self-presence it or make sure that there are nearby mechanics who can help you. In such cases, finding a good mechanic to get the repairs done is not easy and it is time-consuming as well.

This struggles led him to create a project that helps people who get into problems when they are on the road. The project includes development of a solution application through which the mechanics exactly on that location within an appreciable time and their multiple related services. We have a simple interface of our application, where users can easily search nearby mechanics with their mobile setting without expending much time. A big win is that it connects you with a mechanic in your area who knows specifically how to work on the car using dealership tools. The platform also enables more efficiency for mechanics and drivers, allowing teams to filter by their vehicle type or location and directly communication. Since countless people rely on their vehicle for transportation, getting a flat tire or breaking down in the middle of the road can be arduous experience. In such scenarios, user is pushed to hunt for means of contacting a mechanic and hunting down spare part shops nearby which itself can be pretty stressful.

II. LITERATURE REVIEW

In many situations, people with disabilities have to find someone in region they know for help and without that one or two of the tasks will be harder. It is easier to say where your local dealer, or workshop cannot be found when these kinds of services are offered at places that in their network. The main way of solving such problems is to find a new mode of transportation with the troubling car left behind. This could leave users stranded with mechanical problems or breakdowns in remote regions that are not close to repair facilities.

An application that will show the current location of the user when integrated using Google GPS was discussed by Varun Kapadia, Sagitta Guruji, Bhupesh Bojja and Professor Kilmainham. At present, the project concentrates on giving data about names; addresses and modules and debugging old running applications.

The main objective of the feasibility study is to assess the technical, operational, and economic feasibility of adding new modules and debugging existing ones.



The project “On Road Vehicle Breakdown Assistance” is designed with flexibility and expandability for future upgradation and enhancement. It gives useful and formatted content. The deployment of the proposed application is that the manual work will be reduced. It helps in taking benefits of the opportunities and fulfills the requirements as identified during the application. A car breakdown service locator system is connected Car Service Provider.

The user could enter information with the place of breakdown into the system and it will automatically search for nearby Car repair service provider who registered with system. The On-Road vehicle break down assistance is like a car breakdown service only the car. But there is chart platform to this system to discuss the type of breakdown and exchange ideas about vehicle breakdown. In this system only provide the services is not effective from only by the car but also from the vehicle from the application users, only certain manufactures provide this service that too only high end cars. Used or old cars don't have facility. A mechanic can perform task such as viewing request from the users and can also send feedback to the admin. User can send a request and can appoint a mechanic on respective number and that is difficult for them to arrive at the time.

1. And it not possible to find the suitable Mechanic for the desired service at remote locations. also difficult for them to arrive at time
2. At that time of issue and then they need a mechanic to the particular location at which they have left their vehicle.

III. SYSTEM ARCHITECTURE

A. Existing System:

In the current method, the search result is only accessible when the user is within range, making it extremely difficult for the user to obtain the service, particularly location. Assistance through hotline is especially prone to unavailability, which exacerbates the user can only see application and moreover the chat system is not available so that user cannot chat with the mechanic.

B. Proposed System

C. More services and assistance are offered to passengers to ensure they have a pleasant travel experience. Using the Google Maps Navigation System, travelers can easily access services based on their current location. These services are available in various formats to ensure passengers make the most of the system, which guides them in selecting the appropriate service.

D. Dataset preparation

The mechanics will register in this application using their unique username and password, log in to their apps, and accept their services. The admin will be able to authorize mechanics by double-checking their identification and determine whether the mechanics are trustworthy information will be recorded and saved in the dataset.

The proposed application helps to find the nearby mechanics easily and quickly.

- This application shows the user location and direct the nearest services provider to user.
- It allows us to search the near mechanics from different locations and call to vehicle.
- The user make payment based on the service through this application.

1. Registration Login Module:

The register module required email id, mobile and other personal details of the user to register in the Application for the future use. The login module requires email id and password from the user to login to the application

2. Forgot password Module:

The Forgot Password feature allows customers to reset their passwords if they have forgotten them. For security reasons, this feature needs to be enhanced in the future.

IV. PROPOSED SYSTEM AND ADVANTAGES

Testing is schedule carried out by the software development team to capture all the possible errors, missing operations and allows complete verification to verify errors, missing operations and also a complete verification it verify objectives are met and user requirement are statistic. Designing tests for software and other engineering products can be



challenging, as the initial design needs to be validated against test results, as done in this project. Functionality testing is a method used to evaluate features and functionality. It provides information such as contact numbers, shop owners, shop addresses, types of services provided, and the year the shop was established. In this web application if the user is accessing the application for the first time then they need to register early simply to login. When the details are submitted after registration, they receive a confirmation link to their registered mail address to activate their account. Login the Dashboards appears upon which the user has to give their location as input. Based on their input the shops present around the user's location are shown. We get the nearest mechanic shop details from the current locations of the user. So, the user can move along the path to reach the destination.

1. Essential Services:

Transport facilitates essential services such as water supply, ambulances, fire bridge, school base, and commuting to workplace, among others.

2. Economic Growth:

Transportation plays a critical role in the economic development of a nation by enabling the transfer of raw materials to factories and the delivery of finished goods to markets. Improved transportation system increases efficiency and productivity, contributing to economic growth.

3. Employment:

The transportation industry provides many job opportunities, including truck, bus and cab drivers, pilots. Locomotive engineering, and others.

4. Social Connectivity:

Transportation helps people stay connected with friends and family, bridging the distance between those living apart.

5. Tourism:

Transportation has significantly boosted the tourism industry, making it easy and quick to travel to previously hard-to-reach or unknown locations.

6. Environmental Factors:

Eco-friendly transportations as electric vehicle, can help with environmental conservation by reducing air pollution and carbon emission. Enhanced public transportation system can also reduce the number of private cars on the road, which can help reduce air and noise pollution.

In Future, the vehicle and spare parts shop will be categorized according to the vehicle model. That is help to user found their spare-parts according to the type of the vehicle by saving their time.

In addition to that the list of hospital and forest most, I have, petrol pump, Tool Naka or any near place can be added. First and foremost, I have to thank my research Senior Lecture, Mr Chales and other lectures in AMC College to published the report and giving me the support for working to this activities.

V. PROPOSED METHODOLOGY AND DISCUSSION

User Characteristics: One of the conclusion that I made is that it is necessary to investigate the characters of the users as fundamentals for the system requirements study. On Road Vehicle Breakdown Assistance can bring by value but both down on the cost of traditional customer service provided by the shop. If is feasible ecumenically and deals with the cost -benefits of the application. Technical feasibility is either application oriented or computer oriented and operational feasibility is people or user-oriented. It can reduce the cost spent on the business in multiple ways by cutting costs in salespersons and also helps people to stay safe from Covid_19 and increases the profits of an organization with all safety measure. Hence, this application is economically feasible.

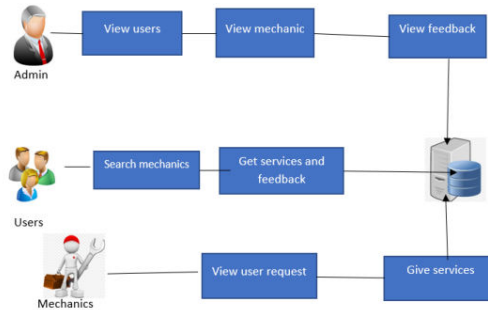
In Future, the vehicle and spare parts shop will be categorized according to the vehicle model. That is help to user found their spare-parts according to the type of the vehicle by saving their time.

1. Hardware Requirements: Process: Intel 11th gen i5 processor.

Harddisl1TB Ram, Monitor 25CRT

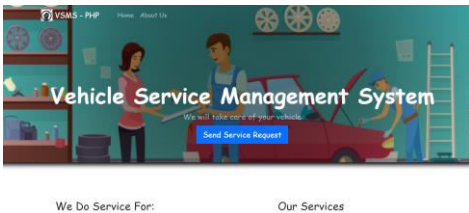


2. Software Requirements:
Operating system: Windows 10



VI. RESULT

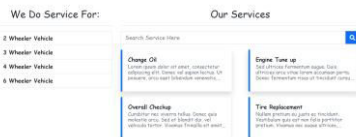
1. Application Website



This Application allows to show the website to work for the user as this is page where it allows to login and user id is created

Fig 1.1

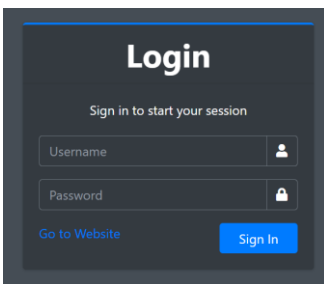
2. Services Type



This page looks the user to register and the type of service is request.

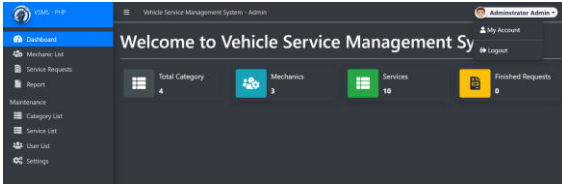
Fig 1.2

3. Login Id



This allows the user to login the page for the knowing the vehicle service .

4. User New page Id



This application the user is login and getting the information about the vehicle .

VII. CONCLUSION

While the chances of properly maintained vehicle experiencing a breakdown are slim, it is never a possibility to predict when the user experiences a vehicular breakdown. The web application developed here promises to make the life of vehicle owner that much easier, as in the probability of a breakdown, the vehicle owner is assured of the fact that has a solution to save the problem and few steps of entering details. The unpredictability of the vehicle of the failure user's vehicle. When the vehicle breakdown occurs, the driver has a mechanic or the repair shop. The driver has to ask for help from the people. By using this application, that the user can find mechanic based on user location. The user can get the mechanical help directly and easily. This is help to save user's time while the travelling. When the breakdown occurs, user can fix their vehicle immediately. That makes comfortable the user. They won't make tired journey. This approach makes the user experience very and platform better than the present system in crucial time like this. Our application shall make all possible efforts to locate times like this. It helps us to locate and direct the closest towing, fuel delivery and etc. Services details will be accessed from the application, which is stored within the server as part of the broader roadside service.

REFERENCES

1. <https://google.com>
2. <https://google.github.io>
3. <https://www.java.org/>
4. <https://php.serviicesadmin/>
5. <https://stackoverflow.com/>
6. <https://www.youtube.com/>



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