Fix Thy Car

[1]Prof. Dhiraj Patil, [2]Miss. Vaishnavi Kumbhar, [3]Miss. Kinjal Rathod, [4]Mr. Uday Prajapati, [5]Mr. Jaiganesh Mabbu

[1]Professor of Pravin Patil Polytechnic, Department of Information Technology, Bhayander, Thane, India – 401105.

[2,3,4,5]Department of Information Technology, Pravin Patil Polytechnic, College of Engineering, Pravin Patil Polytechnic, College of Engineering, Bhayander, Thane, India - 401105

ABSTRACT

If the user caught in faraway area, along with his/her damaged car and if he/she desires to find automobile garage or towing offerings then this software will offer an interface through which customers can easily find the nearest car storage and towing offerings in far flung areas.

The user can seek mechanics based on their region and notice storage and Towing services address information and published comments and so forth. if you want to send a request to the mechanic, the user is first required to sign in. Registered users can post remarks concerning a selected mechanic after receiving the provider from that mechanic. This comments ought to be seen to all the registered users in the event that they search approximately a particular mechanic. A mechanic can view the requests despatched via the customers concerning him.

Introduction

Fix Thy car is largely an app that is an international platform that allows entrepreneurs and small companies with garages and towing services to collectively come back and provide their services.

Any character in need of towing or roadside assistance can contact the nearest towing provider or garage with the click of a button on their phone.

Concept of Fix Thy Car

So this is where we will take the concept of the famous OYO brand and create an international platform to enable entrepreneurs and small companies to offer garage and towing services by presenting a complete generation that increases profits and eases operations. we will create a platform where all es and towing services can sign up use of this platform.

Evaluation of Fix Thy Car

Towing and roadside assistance apps have a lot of useful features that include real-time monitoring, in-app calling, payment integration and rating and evaluation facilities to ensure a hassle-free experience for the consumer. It has fast and immediate assistance, safety, durability, affordability and service priority. The operation of the street help application is quite honest. at the beginning, users want to register in the application and install their profile. if they already have an account, they could actually log in and enter their specific location. They could then select a specific roadside assistance provider and send requests to nearby carriers.

As soon as the requests are sent, the relevant provider company in close proximity will receive them and immediately send its mechanic or tow truck to the user. Users can use the provider and pay securely in the app itself.

Problem statement

Most of the time when we travel we face problems with our vehicles and need urgent help, but when traveling in underdeveloped areas, finding a towing service, mechanic or garage is very difficult and we are left helpless. To overcome such a situation, we need to find an initiative to help us find mechanics or towing services online.
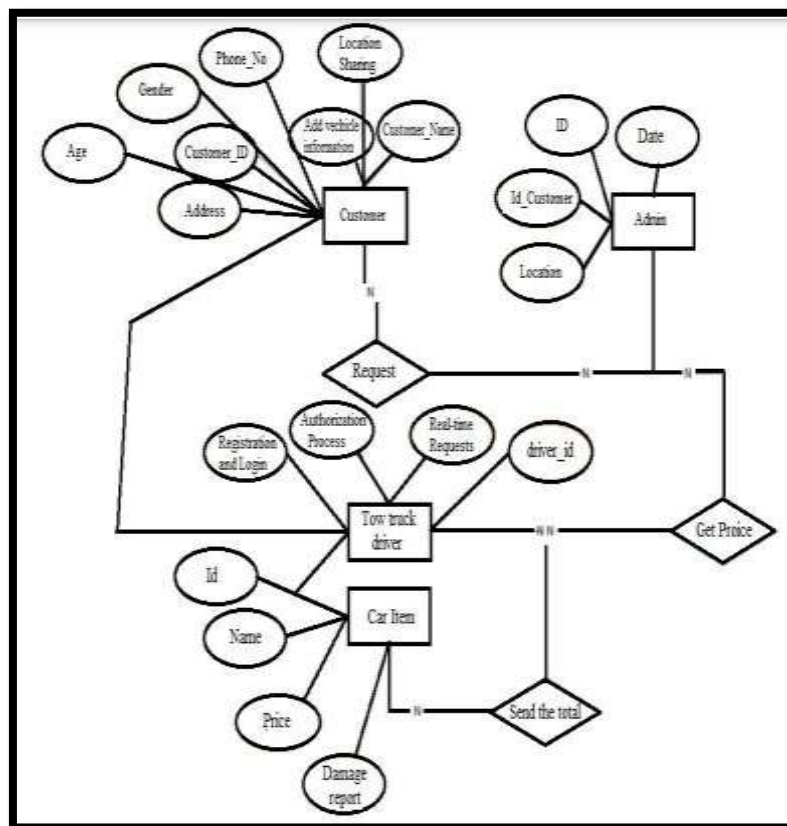
Future scope

There are apps that provide such services, but nothing like that in India yet. People here still tend to face these problems. If we can solve this problem, not only the passengers would benefit, but also the towing and mechanical services. People would no longer have to walk from place to place to find service, and garages would no longer have to wait for customers to find their space.

Methodology

Receiving, via a computing device having at least one processor, a request to treat a current malfunction of at least one aspect of the vehicle, the request including a location of the vehicle and an identification of the vehicle; identifying, by at least one processor and from a plurality of stored vehicle profiles, a vehicle profile based on the vehicle identification; determining by means of at least one processor and based on the position of the vehicle and the fault characteristic of the service vehicle for treating the current fault and the service vehicle from the plurality of service vehicles for providing the service; and updating, by at least one processor, the identified vehicle profile based on one or more of: vehicle location, vehicle failure characteristics, and service provided.

ER Diagram

Android studio

Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development.[9] It is available for download on Windows, MacOS and Linux operating systems. It is a replacement for Eclipse Android Development Tools (E-ADT) as the primary IDE for native Android application development.
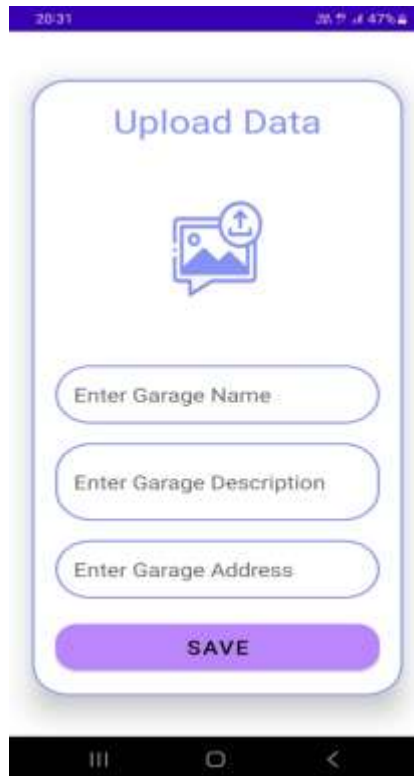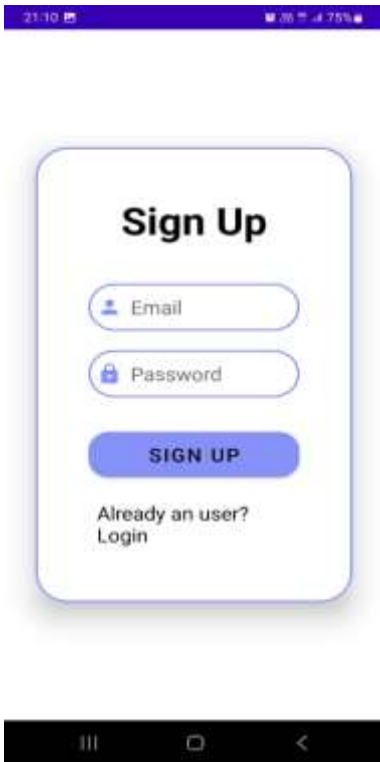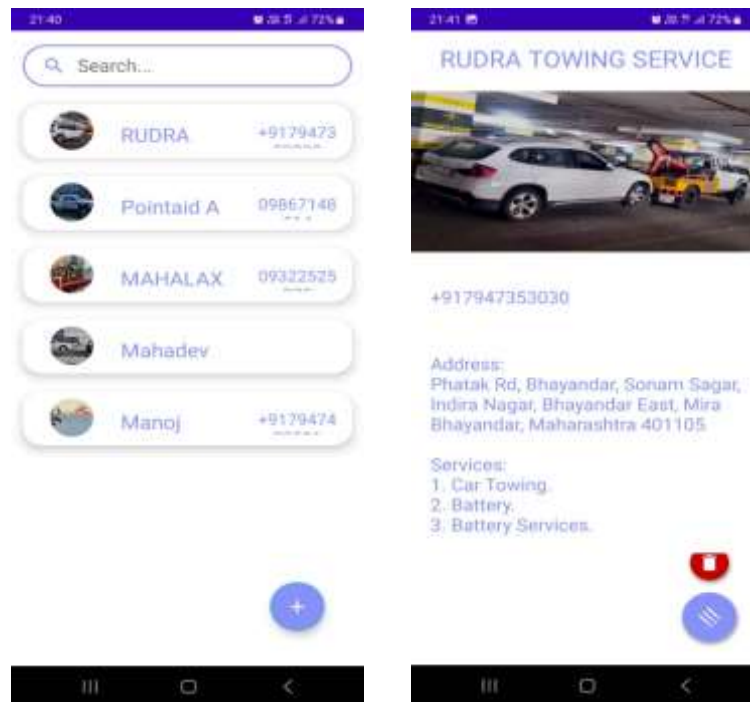
Platforms Used

Android studio.

Java programming language.

Firewall.

Result analysis

Fix Thy Car (an app which provides online garage and towing services) has been developed. This is a Global Platform for all the garage and towing service owners where in customers can log in to the app and access any garage and towing service anytime anywhere without any interruption or difficulty.

References

https://www.researchgate.net/publication/341900918_On-Road_vehicle_Breakdown_Assistance

https://ir.unimas.my/id/eprint/34498/1/Android-based%20Mobile%20Application%20Roadside24pgs.pdf

https://www.uplogictech.com/blog/roadside-assistance-app-get-your-towing-business-off-the-ground-with-our-feature-rich-solution/