Dr. Wheeler Gets You Back on The Track

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Abstract- *In this system, we will create an android application which provides an online platform to the mechanics and consumer which provides emergency assistance to the customer on the spot. Services like emergency roadside assistance, punctured tires, towing, fuel conveyance will be available in our application. Mechanics will also get the chance to expand their business with it. Our application will provide certain features for all types of vehicles like automatic location detector of the customer, problem selection if identifiable and authentication of the mechanic by QR code or OTP, automatic bill generator. If in any case your vehicle gets break down then just go through our application and mechanic will be there on the spot as soon as possible. The individual would assess your vehicle and check whether it could be repaired on the spot or need to be towed to the garage.*

Keywords- Android, Design with kotlin , Microsoft SQL Server, SQLite , One Time Login System,

I. INTRODUCTION

In this project, we are going to develop the java based software which involves online assistance for vehicle tire puncture. We will develop android application for it. There are mainly three modules admin, service user & service provider. There is much functionality like notifications, security, Google map integration etc. Our application will provide certain features for all types of vehicles like automatic location detector of the customer, problem selection if identifiable and authentication of the mechanic by QR code or OTP, automatic bill generator. If in any case your vehicle gets punctured then just go through our application and mechanic will be there on the spot as soon as possible. The individual would assess your vehicle and check whether it could be repaired on the spot or need to be towed to the garage.

We want to create an android application which provides an online platform to the mechanics and consumer which provides emergency assistance to the customer on the spot. Services like emergency roadside assistance, punctured tires, towing and fuel conveyance will be available in our application. Mechanics will also get the chance to expand their business with it.

A. SQLite is a relational database management system contained in a C library. In contrast to many other database management systems, SQLite is not a client–server database engine. Rather, it is embedded into the end program.
B. Android Studio is the official integrated development environment for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development. It is available for download on Windows, macOS and Linux based operating systems.

II. STUDY FINDINGS

A. The current system of this able to provide door step service to the user. But is not available in remote locations and is unable to contact to nearby mechanics.
B. System should provide user- admin communication. It provides highest access of data. It provides secure accessibility. It also provides flexibility of services. It also provides reliable images and gives better performance.
C. Every user should be comfortable for the working of the known as a basic computer and net browser. They must have basic knowledge of English Language. User has to login one time. User can select the desired service by selecting categories. They have been some creating account of basic needs.
D. Admin is an entity that will manage entire system. Admin have must authorized. Admin have all rights to performing any type of given rights to the given user because they will have highest level of access the rights. Admin have under observation of some areas like database, security, integration and management.
E. The minimum hardware requirement is Memory of 4 GB RAM or more, Monitor resolution of 1024*768 or highest access, Intel Pentium 4 or AMD Athol 2.27 GHz (or more faster), 2 GB (or more) available hard disk space and android version of 4.1 (jellybean).

III. FUTURE ENHANCEMENT

Location detection is maybe issue sometimes as accurate location might not be on the maps which can be further improved. Enrollment of any service from user side may can implemented.

IV. CONCLUSION

This system helps user to provide mechanical assistance in their current location. It also helps mechanics to grow their business. It will provide a user friendly safe environment to both consumer and service provider.

V. ACKNOWEDGMENT

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