

E-Vehicle Care

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Abstract- E-vehicle care is an Android application that provides Home Based Vehicle Services online with current location tracing and also customers can buy stuffs or parts as per their requirements, users can also see nearby workshops around them and also view their services online after that user can select services further. After requesting for particular service token will be generated and given to customer, on basis of token spot boy will verify the user as well as vehicle. Spot boy will take and also deliver vehicle after completion of the particular service. We can provide password to garage admin and we can see all facilities of their garage. This Garage Management System project enables the user to keep track of all the activities of a garage. It is a web based application which helps the user to manage the stocks available in the garage, check for repair estimates, delivery etc.

Keywords- HTML, CSS, Advance Java, One Time Password, My SQL, Core Java, Ajax, Java Script

I. INTRODUCTION

In this project we are using java and android technology to develop our android application, in that application we are mainly focusing on time saving of the customer who are coming to garages for repairing and servicing of their vehicle. all the garages details are stored in database, users can search their near by garages for servicing and repairing of their vehicle, they can find best garages near by them and they can also book repairing of their vehicle.in that booked time slot user can go to garage and there problem can be solved on given time.

Garages owner are provided a username and password to login and accept the request of the servicing of vehicle, we are developing this project using android studio. And for backend part we are using a slide database..

II. LITERATURE REVIEW

- Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it

for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it.

- SQL Server is a relational database management system (RDBMS) developed and marketed by Microsoft. As a database server, the primary function of the SQL Server is to store and retrieve data used by other applications.
- A one-time password (OTP), also known as one-time pin or dynamic password, is a password that is valid for only one login session or transaction, on a computer system or other digital device.
- The Java Class Library is the standard library, developed to support application development in Java. It is controlled by Sun Microsystems in cooperation with other java community program.

III. STUDY FINDINGS

- Preliminary system study is the first stage of system development life cycle. This is a brief investigation of the system under consideration and gives a clear picture of what actually the physical system is? In practice, the initial system study involves the preparation of a system proposal which lists the Problem Definition, Objectives of the Study, and Terms of reference for Study, Constraints, Expected benefits of the new system .
- The System is to be developed for any user who wants to use it. We want our system user friendly and easy to use. The user also may be non-technical, so the user interface will be designed in such a way that it gets comfortable for non-technical person to operate easily.
- It is a partially measurement of specific technical solution and the availability of technical resorts and expertise. The analyst must find out whether the current technical resources, which are available in the system is capable of handling the customer.
- 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.
- One of the best uses of e-vehicle care project in, whenever customer are going on their destination but his vehicle is suddenly damaged, so they are search on the

location of nearest garage through this application and they can also find the which type of facilities are provided by this garage.

- The minimum hardware requirement is Memory of 4 GB RAM or more, Monitor resolution of 1024*768 or highest access, Intel i3 processor, 1 GB (or more) available hard disk space.

IV. FUTURE ENHANCEMENT

- In future we are going to remove maximum limitations of the applications. And we will also try to reduce the size of the application. We will add new and new functionalities to our application and make it user-friendly and very attractive. We will try to send messages directly on the mobiles of customers.
- Applications created with ease of understanding. We are thinking to provide live chat also with all managers on basis of location and can get notifications, so that users can get more and more information as soon as possible.
- This application can be use by regular customer as well as non register customer.
- Can be used anywhere and any time as it is a web based application and mobile user too. (user location must needed)

V. CONCLUSION

After making this project we conclude that, we have tried to fulfil the needs of customers. We have tried to make my application very user-friendly and Interactive. One can easily operate the application. So this application is very useful for any users i.e. Customers, managers, spot boys, mechanics. Customer can service their vehicles faster and it will be cost and time effective.

VI. ACKNOWLEDGMENT

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