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HARING ENGINEER BASED ON ANDROID APPLICATION

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ABSTRACT

This paper discusses the direct connection between two people like a Mechanical Engineer and a client. They will be able to communicate with each other directly to solve their mechanical problems through this application. This application will help the clients to easily communicate & solve their problems anytime. Using this application one will save time and it also has a delightful environment. The most commonly use of smart phone has increased day by day. The working of GPS & internet has given a great revolution to the society. The GPS & internet has mainly focused on conducting the business on mobile application. The main purpose of this paper is to focus on the direct communication between an engineer & a client for a better outcome & it is also beneficial for the clients using this application.

KEYWORDS: *GPS, Internet, Mobile Application.*

I. INTRODUCTION

The development of IT field has brought a massive change to the people in their daily activities[8]. These changes are reflected in both customer & economics[1]. Mobile applications come in support of customer, but it is also implies new national & international legislation challenges that will have to face. One of these is Mechanical engineer application[4]. This application will provide a connection between the engineer & a customer at any place and time[2]. It will help the customer to find engineers easily[2] & to communicate with them. In terms of economy this application will be processed by cash on delivery or Paytm[7].

II. NEED OF STUDY

With the help of this application it will directly communicate customer and

engineer. And customer can call engineer at anytime, anyplace. Just by seeing nearest location of engineer with the help of GPS.

III. PROBLEM STATEMENT

Sometimes, it is very difficult to find an engineer in such a place where there is no residential area & one is stuck there due to some mechanical issues in their vehicle so he / she have to travel miles in search of an engineer who can help them to repair their vehicle. This application will help them to search the engineer with just one click & there will be list of engineer near to them so then can contact them easily.

IV. HYPOTHESIS

This app gives convenient services almost where technology is intended. Now a day's cellular and android has reached in each and every hand. So utilizing it will make more

effective towards more advances society[6], [7]

V. RESEARCH

METHODOLOGY

Figure 1: Login Page

[1], [2]Login Page: This is the login page for the customer or an engineer. In this page the customer can login to their accounts & if they do not have an account they can create their new account through registering themselves[3]. If incase the customer tends to forget the password there is a feature called “forget password”[6], through this feature a customer can recover the password through the mail or contact no. registered in the registration form[1]

Figure 2: Register Page

One can register themselves whether it is an engineer or a customer[4]. All the fields are same for both the engineers as well as the customers. But one field is mandatory for the engineers, which says that in which

domain the engineer is specialized. This will make it easy to understand[1], [5]. For e.g. some engineers are good at working with bikes, some are good at cars, some are good at heavy vehicles & so on. This will help the customer to find the correct engineer for their work[8].

Figure 3: User Page

Home page: This page will be displayed after the customer has logged in[5], [3]. In this page the customer will get different criteria. The customer has to select a particular option based on the vehicle they have and the problem they are facing with the vehicle[3], [1]. This page also shows the current location of the user through the help of GPS[7]

Figure 4: My location

This page will show all the available engineers nearby in the same location of the

user[1],[2]. Also it will show the current location of the customer.

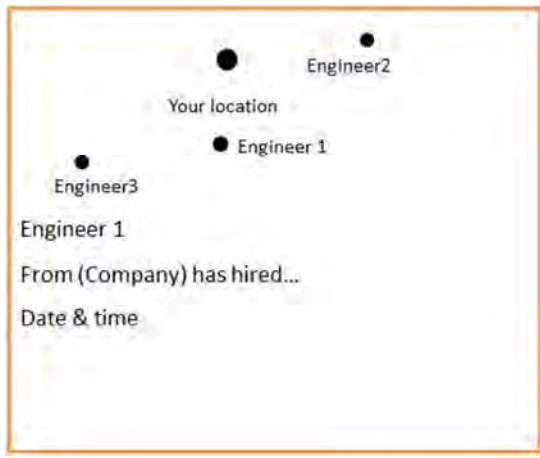


Figure 5: Booking Engineers

This page deals with hiring an engineer[8]. Here the nearest engineer will be hired from the customer through GPS[5], [3]. After the engineer is hired the application will show the current status of the engineer continuously. After all the working is done, once the engineer gets the payment it will again show him available, it will also show date and time[2], [8].

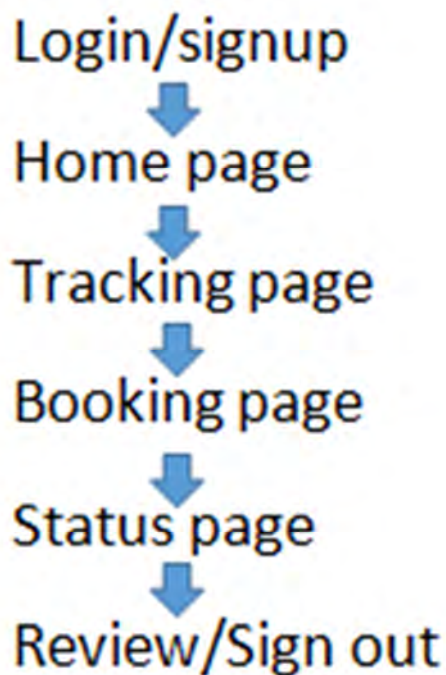


Figure 6: Basic Diagram

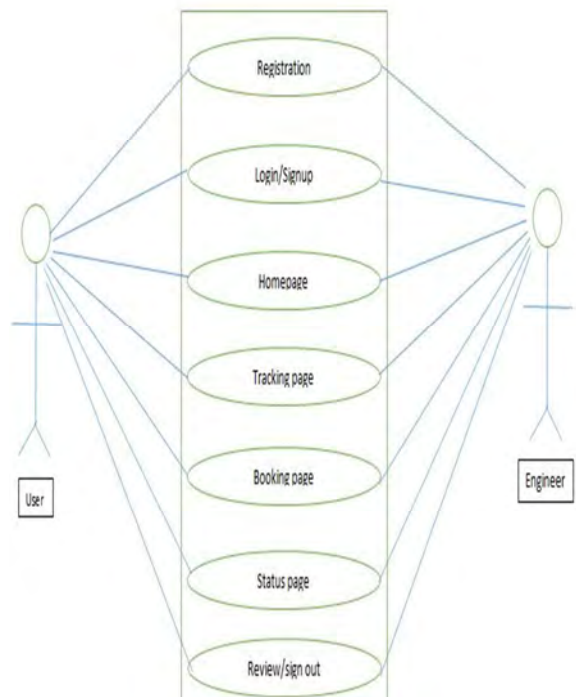


Figure 7: Use case Diagram

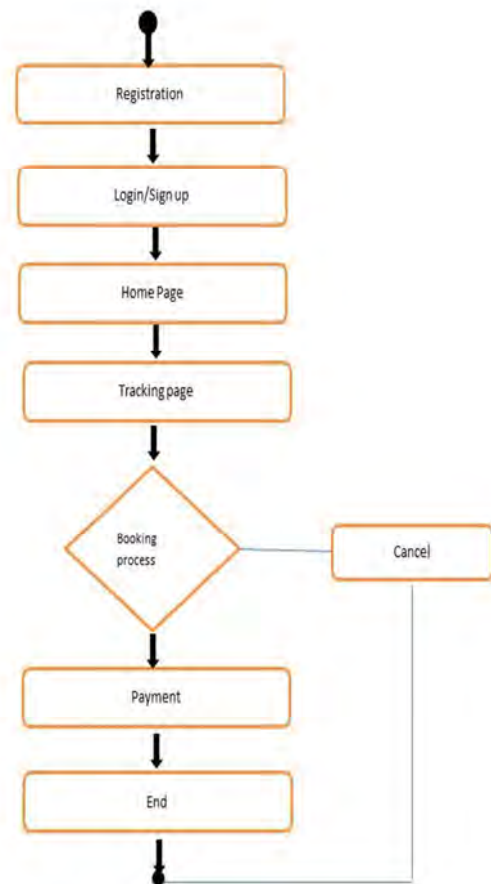


Figure 8: Activity Diagram

VI. CONCLUSION

HARING ENGINEER is an application which is developed for smart phones or tablets that permits customer to connect with machine enrolled in the application. This application allows customers to connect directly through phone GPS with the nearest engineer registered in the database of Haring Engineer.

VII. FUTURE SCOPE

Future scope of this application is that we can call a towing van to carry our vehicles to the specific service center[5]. The amount will be fixed depending on the defect of a particular part of a vehicle[1].

VIII. FUTURE SCOPE

This app is used when car is in travelling and sudden brakes down in this situation this app locates nearest garage & and notify them about the car (location). The client sends him request through the app. If the mechanic is not available it will switch on to some other nearby mechanic.

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