

PRESENTED BY :-  
**DESIGN OF SERVICE PROVIDER APPLICATION FOR RESOLVING  
 ONLINE CLIENT HARDWARE REQUEST**

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## ABSTRACT

It's android application that delivers an effective solution of making easy to hardware repair. This system presents a miniature model of an automated hardware request system that can regulate and manage the number of hardware request that can be Manage hardware request. The aim of this paper is to resolve the users hardware request . It discusses a project which presents a miniature model of an users hardware request that can regulate and manage the number of hardware request that can be manage users hardware request any time based on the availability location of hardware engineer.

The number of personal hardware usage is increasing manifold. Finding a location most nearest hardware or software engineer. Due to this there is a need to provide notification regarding users problem. This will help reduce the load on the administrator as his physical work reduces drastically and user can search the nearest hardware engineer for resolve the any small problem through Android Application. Payment services are made available using Google Wallet, so the user is required to own a credit card or debit card.

## INTRODUCTION

Online resolve client hardware request system application offers various services. This application is very new idea for resolving the online hardware /mobile services repairing request. Now he can visit easy to hardware repair login application and can select a problem from the list he is having in his hardware system .

After selecting appropriate action from user and after user submit the problem he is facing admin will get a notification regarding user problem . Then admin will send one hardware engineer on user address for solving the problem in users hardware system.

User can subscribe to monthly , quarterly and yearly plan for both mobile and PC's/Laptop. User can login into application and can select what problem he is facing for example he is facing some hardware problem. The system provides a graphical map view of the nearest hardware engineer location spaces so it becomes convenient for users to access services. Purpose of this application is to solve a user hardware problem. So it provides you a very simplistic solution of managing hardware problem. Users can even make payment via credit card. It thus overcomes the problem of finding a hardware engineer location in given specific map that unnecessarily consumes time.

### MODULE DESCRIPTION:

The system consists of the following modules

#### A) Admin

This module consist of the information regarding the Responsible for handling the website any updates/change will be done by admin panel. If user request for any other service which is not mention in the service we offered admin will get a notification regarding. Admin can allow or block user and their further service. parking area. The admin and provider has to sign up in this module and register themselves .Whenever they need to login they have to log in using registration number.

#### B) User

The user module contains information about the user and hardware of the user. A user can only have his/her employee ID number as username so if he joins the hardware request service then only he can login. This prevents misuse unauthorized access and hacking of the product.

#### a) Transactions

In this module, Payment will be done through online payment gateway(CC/Net banking).

#### b) Security and Authentication

The security and authentication module contains about access privileges to customers and employees for various operations .The security is very important for online transactions to done correctly without being hacked.

#### c) Reporting

In this module confirmation email will be send to the user that his/her registration account has been booked.

#### Problem Definition:

According to management experts, "A problem correctly defined is a problem half solved." How client hardware problems are defined affects which solutions are considered and how they are evaluated.

Hardware problems are often defined to mean that The user don't have to pay again and again if the same problem arise . If user cant identify the problem in his/her h/w they can request by clicking on other option .

#### FEATURES:

- Resolve Problem.
- Easy way to find best solution over the problem.
- Quick response by providing mail.
- Subscription plan.

#### Objectives:

- The objective for the system is to provide residence and visitors with viable system

that is safe and easy to use. In our admin module ,the admin will have all the records manages for different hardware engineer , how much nearest location will be available for client and also time .So, in admin module all the information will be stored about hardware request and time used by user which will make handling of data easier for admin.

## Literature Survey

- Over the years, car hardware repair systems and the accompanying technologies have increased and diversified. Hardware repair systems have been around almost since the time hardware or software were invented.

## Platform for Project

- Android Studio is an integrated development environment (IDE) for developing for the Android platform. It was announced on May 16, 2013 at the Google I/O conference by Google's Product Manager, Katherine Chou. Android Studio is freely available under the Apache License 2.0.
- Android Studio was in early access preview stage starting from version 0.1 in May 2013, then entered beta stage starting from version 0.8 which was released in June 2014.<sup>[4]</sup> The first stable build was released in December 2014, starting from version 1.0.
- Based on JetBrains' IntelliJ IDEA software, Android Studio is designed specifically for Android development. It is available for download on Windows, Mac OS X and Linux, and replaced Eclipse Android Development Tools (ADT) as Google's primary IDE for native Android application development

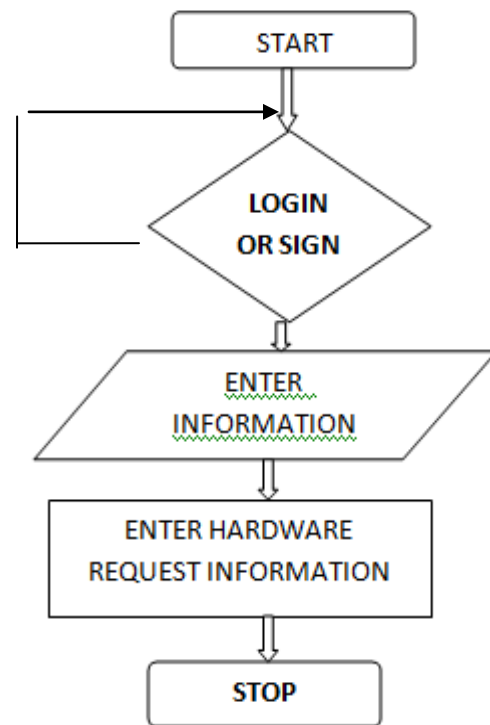
- **System Requirement Analysis**

**Software Requirements**

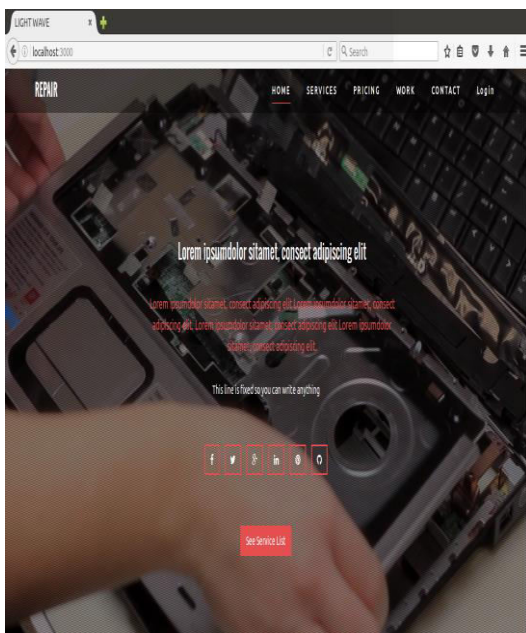
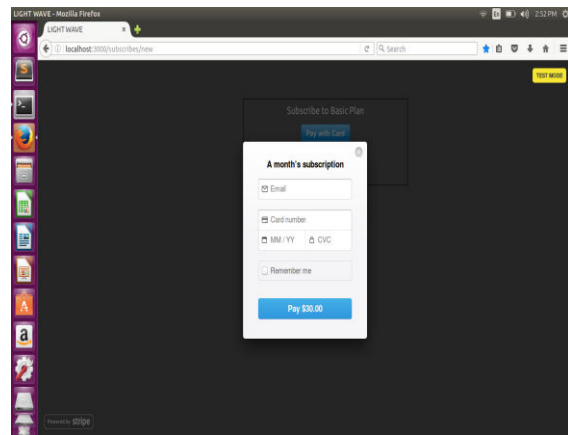
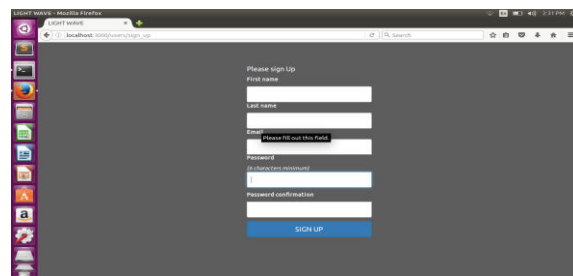
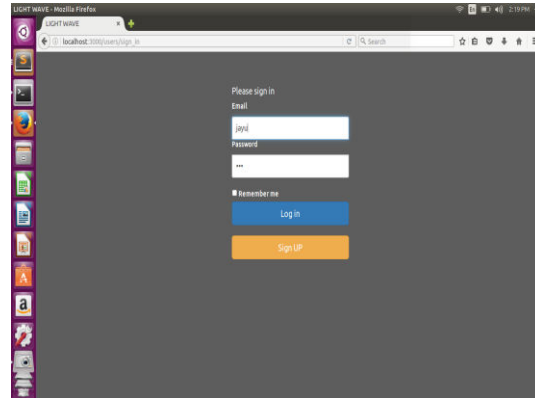
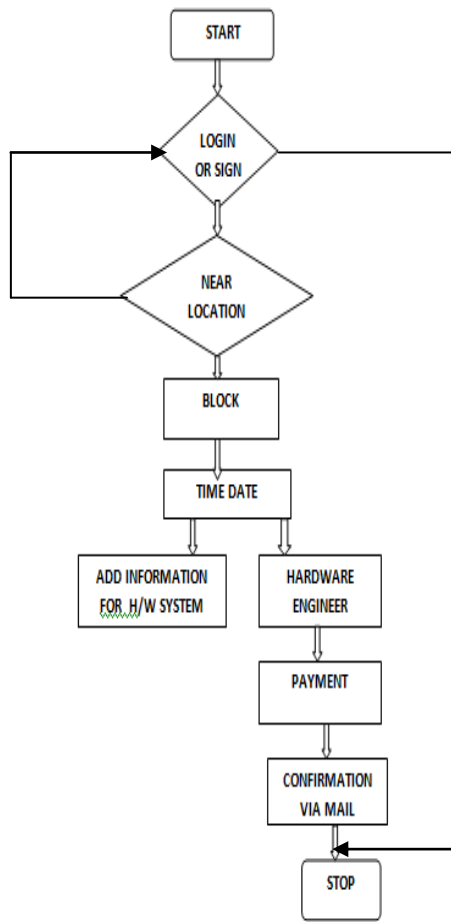
- , Language: Ruby 2,Rails 4 Framework.
- Database:Mysql.
- Sublime text.

**Hardware Requirement**

- Internet Connection
- RAM: 2GB
- Memory:80GB
- OS:64BIT
- PROCESSOR:Intel@corei3-5005U@2.00GH'z\*4

**Flow chart for user module**

Flow chart for admin module:



## 7. Conclusion And Future Scope

### Conclusion:

If it is a dwelling, entertainment centre or a market place, the first and foremost question in the minds of everyone is about the how to resolve the problem quickly User can select any service from list of service.

Quality of service will be improved both the visitors and administrators. It helps the visitors in finding out the availability of a nearest location hardware engineer, get the availability confirmed, and User can subscribe to monthly , quarterly and yearly plan for both mobile and PC's/Laptop.

**Future scope:**

The “Online Car parking System” Application can be developed for other popular mobile operating systems. In future, our application can be implemented on the existing operating systems like iOS, Windows and BlackBerry also on the upcoming and promising operating systems like We can add new feature as when require.

There Is a flexibility in all the module .

There will be 24\*7 online help In future as the product expand.

Currently we are planning for Nagpur city, afterwards the project will cover places near to Nagpur

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