

Hired Hands

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Abstract- Built-in applications, such as phone, contacts, browser, and more. The specific applications vary by Android version and manufacturer. Commercial applications from marketplaces, such as Google Play, Amazon, and more. Side-loaded applications, including the ones you will build. You install these via USB cable. Application frameworks, such as telephony manager, location manager, notification manager, content providers, windowing, resource manager, and more Libraries, such as graphics libraries, media libraries, database libraries, sensors, and so on the Android runtime is responsible for executing and managing applications as they run.

I. INTRODUCTION

The primary objective of the online system for household services is about delivering the home services at the doorstep just by one click. This project discusses about main theme of the online home services, numerous services provided and how the ordering and delivery of services takes place. Online system for household services can be used by any authorized user intending to seek for household services through an ingenious web-based system or a mobile application. To provide an authenticated and authorized login module for the users such as service seekers, service providers and the admin, by providing appropriate credentials at the time of registration. To develop a web based online system for opting household services and to develop an identical mobile application for opting the services.

II. LITERATURE BACKGROUND

2.1.1.Documentation of online booking system

Author: Syed Hasan, Asia Pacific University of Technology and Innovation

This project discuss HIRED HANDS is an service provider which provides the facilities for booking services like plumber, carpentary, event managment and other accommodations' for customers. All the necessary booking stuffs are being done in hard copy. So it become much difficult for staffs to keep the records updated all the time. As for example, if the customers need to change the check in date it become difficult for them to find out the customers booking

details for updating as there are so many customers booking records. Again, regarding current systemcustomers cannot give feedback online andalsostaff cannot reply to them promptly.

2.2 Problem Statement

Every one of us knows the significant role played by mobile applications in our regular day to day existence. We have an app for everything - ordering food, booking a taxi, paying the bill. In the course of time, it has turned into an a vital part of our everyday life. Hence it is evident an app is a must-have factor for achieving success in every business.

III. EXISTING SYSTEM

As HIRED HANDS is having manual booking system, they are facing some problems issuingbooking requests of customers. All the necessary booking stuffs are being done in hard copy. So it become much difficult for staffs to keep the records updated all the time. As for example, if the customers need to change the check in date it become difficult for them to find out the customers booking details for updating as there are so many customers booking records

Disadvantages of existing framework

1. Existing System isn't modernized, it is manual. In manual booking framework client needs to go to the venturing out office to get his tickets.
2. Existing System is Time Consuming. Some of the time the client needs to invest a great deal of energy in lines for booking.
3. Existing System is inclined to blunders as information passage is done physically. This may prompt question with the clients when information is entered erroneously

IV. PROPOSED SYSTEM

Android gives you everything that you need in terms of application development.It automatically enhances your UI on different mobile devices, while giving you full control on your UI for different device types. Android developer tools offer a full Java IDE with features to develop, debug, and

package Android apps.Apps developed on Android platform are highly customizable and simple to manage.

Advantages:

- Easy & Quick to book
- Highest Quality Standard
- Hassle-Free Experience
- On-Time Arrival & Delivery
- Certified, Background-Verified experts

V. METHDOLOGY

5.1 Problem Analysis

Drawbacks of existing framework

1. Existing System isn't mechanized, it is manual. In manual booking framework client needs to go to the heading out office to get his tickets.
2. Existing System is Time Consuming. In some cases the client needs to invest a great deal of energy in lines for booking.
3. Existing System is inclined to blunders as information passage is done physically. This may prompt debate with the clients when information is entered erroneously.

Analysis of the proposed framework

This undertaking is for the most part planned to help individuals book a vehicle of their decision for their movement needs. The application can be utilized by movement organizations, voyagers, individuals new to the city and individuals who need to transport products.

5.2 Feasibility Study

Feasibility Study is the study which basically evaluates whether the system can be developed with respect to the specific constraints.

Feasibility study in this All in One HIRED HANDS service booking application is an important aspect as the application is all about connectivity between Service and Driver for notification of any bookings.

VI. SYSTEM DESIGN

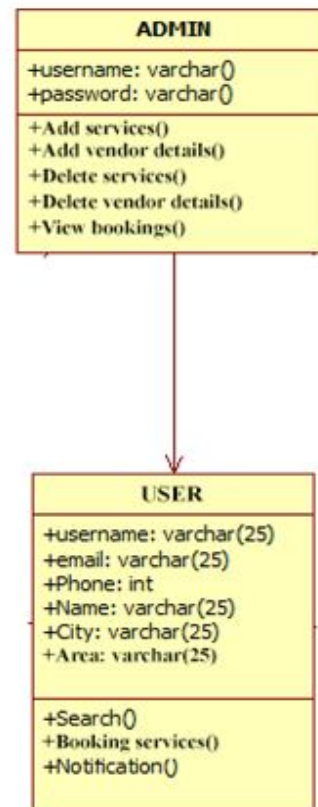
The most creative and challenging phase of the system life cycle is system design. The term design describes a final system and the process by which it is developed. It refers to the technical specifications that will be applied in implementing the candidate system. It also includes the construction of programs and program testing. The key question involved here is "How the problem should be solved".

It provides the understanding and procedural details necessary for implementing the system recommended in the feasibility study.

The design process translates the requirements into the representation of the software that can be asserts for quality before coding designs.

- Verification
- Completeness
- Consistency
- Efficiency
- Simplicity/Understandability

VII. CLASS DIAGRAM



VIII. IMPLEMENTATION

Implementation is the process of converting a new of a revised system design into an operational one. The objective is to put the new or revised system that has been tested into operational while holding costs, risks, and personal irritation to the minimum.

The project is implemented in the different phases as follows:

- First phase includes table design for modules.
- Second phase includes coding for module.
- Third phase includes the integration of module.
- Fourth include connection establishment between the front-end and the back-end.
- Fifth phase includes error handling and message generator.
- The coding was done with the following characteristics in mind:
 - Code efficiency
 - Memory efficiency
 - Response time
 - Security
 - Maintainability and consistent logic

IX. TESTING

9.1 Testing Methods

Software Testing is the process of executing a program or system with the intent of finding Errors. Software testing is any activity aimed at evaluating an attribute or capability of a program or system and determining that it meets its required results. Software testing is an empirical investigation conducted to provide stakeholders with information about the quality of the product or service under test, with respect to the context in which it is intended to operate. This includes the process of executing a program or application with the intent of finding software bugs.

9.2 Testing Strategies

Different types of Testing are Unit testing, Integration testing and System testing.

X. CONCLUSION

“Hired Hands” is a customized Mobile Application which uses the state of the art technologies like Android SDK (Software Development Kit), XML, Java and Firebase used for Android Application Development. This application provides domestic home services where users can be served

for electrical services, plumbing services and carpentry services, this application uses Application to help customers to book different services using mobile. Thus this application seems to be more dynamic, effective and efficient than the existing system.

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