
CUTTING EDGE APPLICATION AND TECHNOLOGIES FOR HOME SERVICES

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ABSTRACT

The purpose of this research paper is to evaluate the effectiveness of Home Services, a mobile application that streamlines the process of searching for trustworthy and reasonably priced service providers for household repairs and maintenance. This article emphasizes the distinctive attributes of Home Services, which include its capacity to offer users a variety of service providers based on the ratings and prices they offer, as well as their ability to track appointment progress in real-time. Apart from its distinctiveness and features, Home Services also tackles the problem of trust and dependability commonly linked to locating service, Online service providers, standards and deliver quality service. Paraphrased: Criteria of excellence and professionalism. This provides assurance to customers that they are getting excellent quality professional service provided by experts in the field a reliable and efficient solution called Home Services has been developed to tackle the difficulties associated with locating reliable service providers in the current market situation, easily navigable, setting it apart from other applications. more effective compared to other similar services, offering an extra level of openness and authority that is greatly valued. Users find it important or appreciate this. The findings of this research paper are substantial, as it emphasizes the significance of using technology to enhance the level of service provided in the household repairs and maintenance sector. Mobile Application called Home Services is a powerful and efficient solution for connecting service providers with customers. Home Services is designed to be user-friendly and provides a convenient platform for users to easily find and hire service providers.

Keywords: Mobile Application, Service Provider, Customers, Effective, User-Friendly.

I. INTRODUCTION

The Home Services mobile app is an innovative solution that seeks to simplify the task of discovering trustworthy professionals for various services and an affordable service provider for home repairs and upkeep. There is an increasing need for this type of product/service. We require a platform that can efficiently connect homeowners with skilled professionals due to the evident demand for such services in a fast and effective manner. make appointments for various home services to keep a record of their appointments effortlessly unique algorithm. What makes Home Services distinctive from other apps is its proprietary algorithm. The feature enables users to choose their service provider by considering factors such as ratings and prices. This plays a crucial role as It allows users to make well-informed choices when deciding on a provider. By allowing people to easily see through and understand. Home Services provides users with information about service quality and pricing, enabling them to make informed decisions that suit their needs. Please provide the text that you would like to paraphrase. In addition, Home Services offers a comprehensive solution that includes all repair and maintenance areas. The procedure for maintaining something. Users can ask for services, set up appointments, and monitor the advancement of their request's fixes done immediately through the application that their personal information is being protected and not misused that they consistently stay informed about the progress of their repairs. In addition, the application provides various payment options choices, such as physical currency, credit cards, and digital payment apps on smartphones. This feature allows users to have a more convenient means of payment providing services in a manner that is most convenient for customers. The Home Services app provides several additional functionalities that make it distinguish itself from its competitors. An example of this would be when users request a service by clearly specifying the category. The application will connect users with the most suitable service providers in their vicinity based on their repair or maintenance requirements.

II. LITERATURE SURVEY

WEBAPP SERVICE FOR BOOKING HANDYMAN USING MONGODB, EXPRESS JS, REACT JS, NODE JS, 2021

When there is a demand for assistance with important but minor household chores, the problem arises when skilled individuals for the job are not accessible or reliable service providers are difficult to locate, who consistently deliver impeccable service promptly. Our convenient online platform for household services offers a user-friendly and hassle-free way for customers to get their work done. Our goal is to assist in resolving all your domestic issues with increased effectiveness, convenience, and most importantly, a gentle approach. A system that only requires one click enables the booking of extremely proficient professionals and ensures timely completion of your service. Customers who believe that paying more will lead to better fee services, and who support the concept of "you get what you pay for," tend to have a strong and positive correlation with their payment amount. Our system functions as a marketplace for household services, where rates are set and maintained accordingly.

WEB BASED SYSTEM FOR DOMESTIC SERVICES, 2019

Location-based domestic services refer to the utilization of technology that allows individuals to obtain location-specific information, enabling them to take appropriate actions based on this information. Mobile location-based services rely on the physical location of a mobile device or a navigation device. They utilize either built-in satellite navigation receivers or network-based technologies like triangulation from the base station transmission cells to determine the exact position of the mobile device. One can determine the user's location by utilizing current technologies like Bluetooth, Radio Frequency Identification (RFID), wireless networks, Near Field Communication (NFC), and location-based systems that rely on Global Positioning Services (GPS) technology. These sensors are being more and more utilized to enable software applications to automatically monitor and observe activities within their surroundings. In simple terms, they make it easier for the physical world and the electronic world to connect with each other. The data of the user's location is utilized to find important information which is then communicated to the user through SMS and WAP.

III. EXISTING SYSTEM

Individuals must physically locate them by personally visiting their workplaces and residences, and there may be instances where they are not present and are out for work. In situations like these, the progress of the user's work is postponed.

Disadvantages of Existing System: Time is lost when looking for a serviceman. If we are unfamiliar with a specific location, it can be challenging to locate service personnel. Service is always unavailable. The service is not guaranteed.

IV. PROPOSED SYSTEM

Home services allow you to select your own personnel who possess extensive expertise in their specific duties. The members of our team consist of individuals with diverse skills such as carpentry, plumbing, gardening, construction work, electrical work, installation, and pest control. We make sure to provide you with staff members who are based in your own city, allowing them to offer their services to you at any time of the day or night without causing you significant delays.

Advantages of Proposed System: Workers can be selected based on the ratings of the service providers. This system provides an affordable option by aiding customers in accessing online booking services. It will be more convenient to locate a service provider. Using this mobile application can help save a significant amount of time.

V. SYSTEM ARCHITECTURE

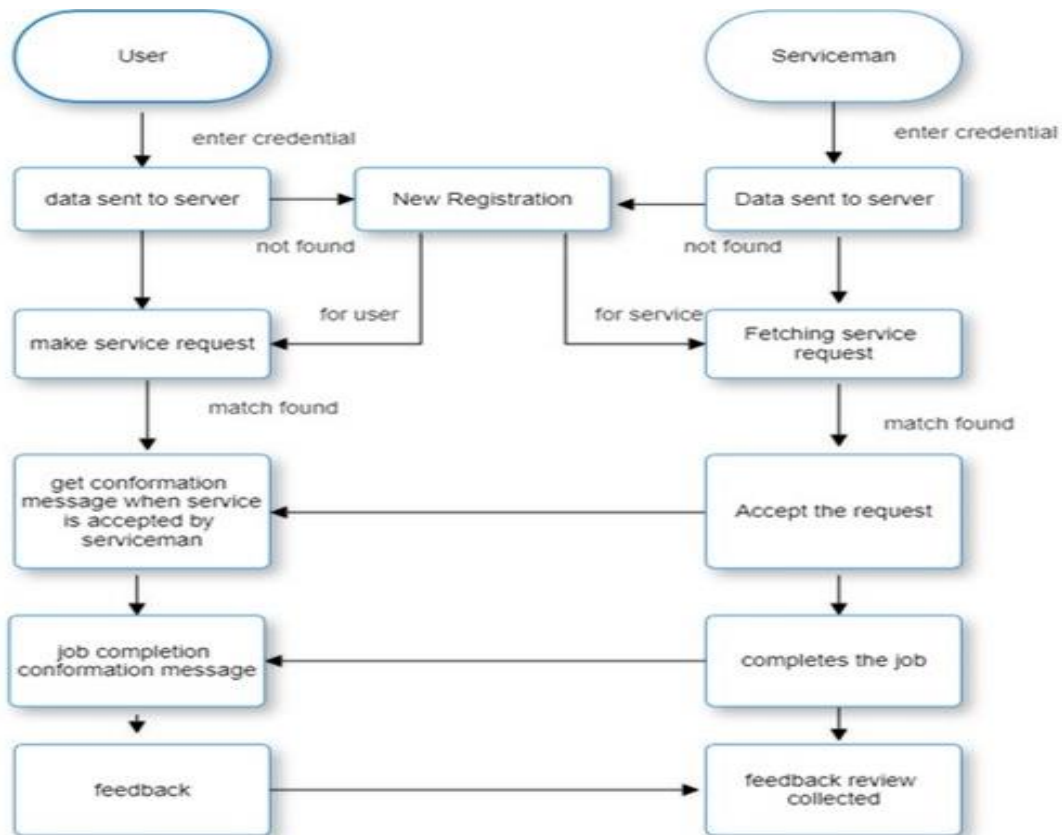


Figure 1: System Architecture.

VI. PERFORMANCE ANALYSIS

Defect Density

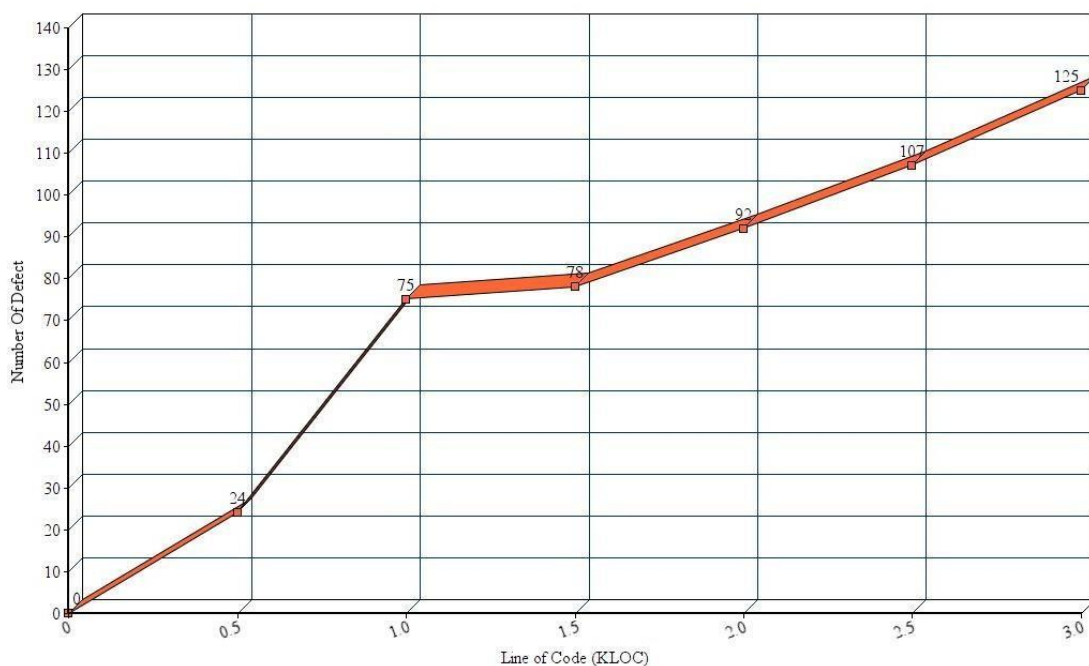


Figure 2: Performance Analysis.

VII. SCREENSHOTS OF APPLICATION

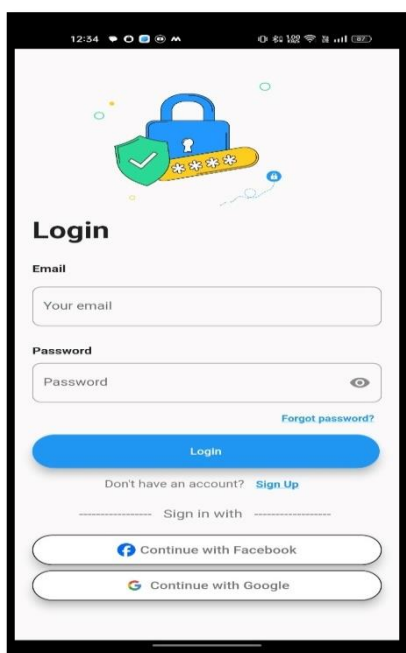


Figure 3: Login Screen.

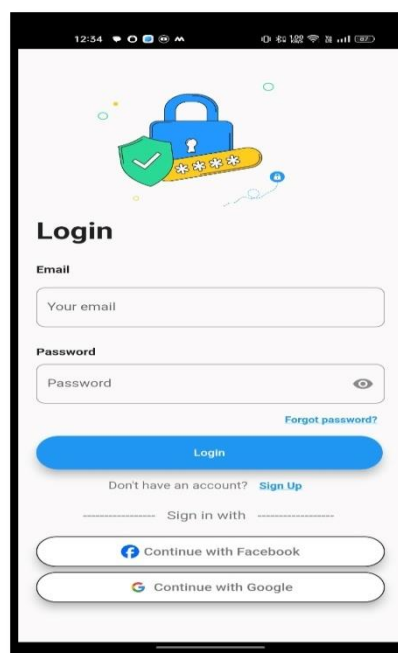


Figure 4: User Selection.

VIII. CONCLUSION

In summary, the research paper suggests that the Home Service app "Home services" is an effective solution that effectively tackles the difficulties of locating reliable service providers in the current market. The application stands out with its distinct features such as a variety of services, secure payment methods, and the ability for users or customers to conveniently choose service providers based on ratings and prices. These aspects, along with others, make it more user-friendly and effective compared to similar services. Additionally, the app offers an extra level of transparency and control, which is highly appreciated by its users. The significance of this research paper lies in its emphasis on using technology to enhance the standard of service in the household repairs and maintenance sector.

IX. REFERENCES

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