



Home Service Provider

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ABSTRACT:

A comprehensive platform called the Home Service Provider Project connects homeowners with a variety of necessary services. This digital solution makes use of contemporary technology to make the hiring, managing, and finding of different home services more efficient. The platform makes it simple for customers and service providers to communicate, which guarantees effective scheduling, open pricing, and dependable service delivery. The Home Service Provider Project aims to improve the overall customer experience in the home services sector by offering features like secure payment options, real-time tracking, and user reviews. This will make it easier and more convenient for users to access and manage their household needs.

I. INTRODUCTION

A ground-breaking project called the Home Service Provider Project aims to improve and streamline homeowners' access to necessary services. This platform, which makes use of cutting-edge technology, acts as a central hub that links consumers with a range of home service providers. Offering a user-friendly interface for easy service discovery, booking, and management, the project covers everything from electrical and plumbing work to cleaning and maintenance services. The ultimate objective is to change the way that home services are traditionally approached by giving homeowners a practical, honest, and effective way to meet their needs.

When someone needs assistance with minor but significant household tasks, problems can occur when service professionals are not available or when reliable service providers are hard to locate and cannot consistently provide faultless service. The easiest and most convenient way to complete your household chores is by using our online system. Our goal is to assist you in finding the best solutions for all of your household problems with greater ease, efficiency, and—most importantly—delicate touch. A single click system makes it easy to schedule highly qualified internal specialists and ensures that your service is completed on schedule. Consumers' general willingness to pay is highly and favourably connected with their expectation that fee-based services would be superior and their conviction that it is morally right to "pay for what you get." Keeping that in mind, our suggested system essentially functions as a home services marketplace.

II. LITERATURE SURVEY

A literature survey for the Home Service Provider Project involves a comprehensive review of existing research, studies, and relevant literature in the field of home services, technology, and consumer behavior. It explores the current landscape of home service platforms, user preferences, and technological trends. The survey aims to identify gaps in the existing knowledge, understand customer expectations, and gather insights that can inform the design and implementation of the Home Service Provider Project. By analyzing prior research, the project can leverage best practices and innovative solutions to create a platform that addresses the specific needs and challenges in the home services industry.

III. SYSTEM SPECIFICATION

Software Requirement

Name of component	Specification
Operating system	Windows 11
Language	JAVA
Database	Firebase

Hardware Requirement

Name of component	Specification
Processor	11th Gen Intel(R) Core(TM) i5-11300H @ 3.10GHz 3.11 GHz
Ram	8GB

IV. SYSTEM DEVELOPMENT

REQUIREMENT ANALYSIS PHASE: Software requirements specification establishes the basis for an agreement between customers and contractors or suppliers on how the software product should function (in a market-driven project, these roles may be played by the marketing and development divisions). Software requirements specification is a rigorous assessment of requirements before the more specific system design stages, and its goal is to reduce later redesign. It should also provide a realistic basis for estimating product costs, risks, and schedules. Used appropriately, software requirements specifications can help prevent software project failure. The software requirements specification document lists sufficient and necessary requirements for the project development. To derive the requirements, the developer needs to have clear and thorough understanding of the products under development. This is achieved through detailed and continuous communications with the project team and customer throughout the software development process.

V. Home Service Provider

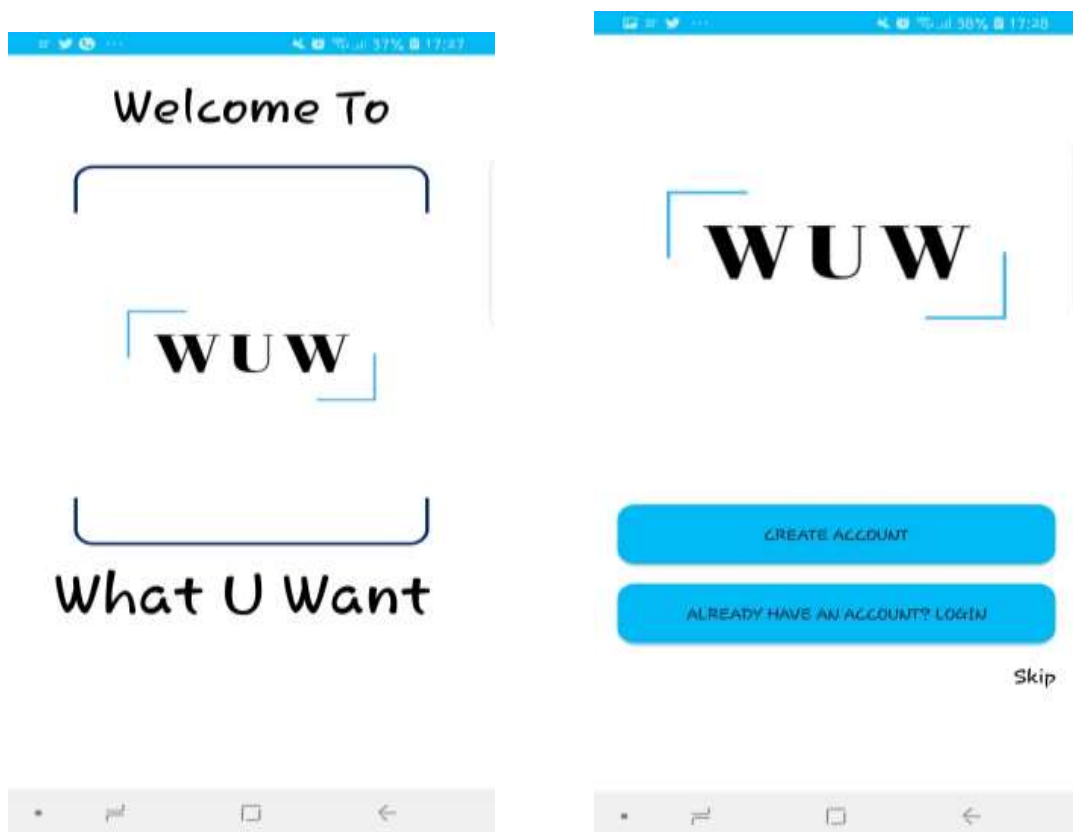


FIG:V.I

FIG:V.II



FIG:V.III

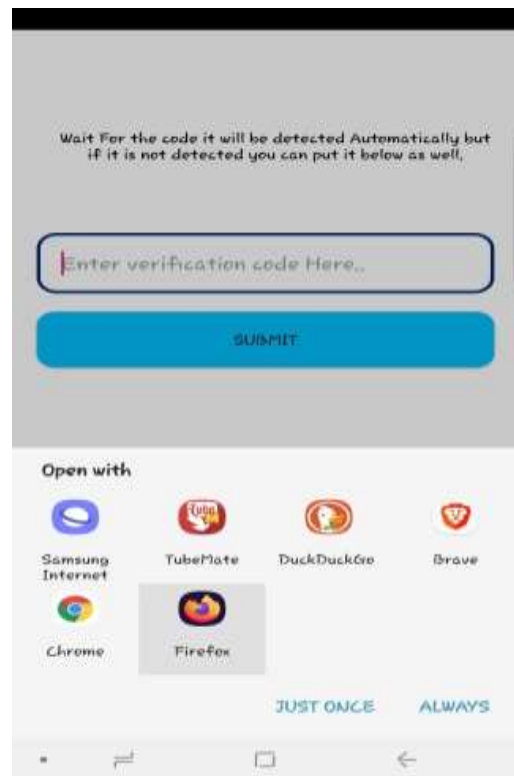


FIG:V.IV



FIG:V.V

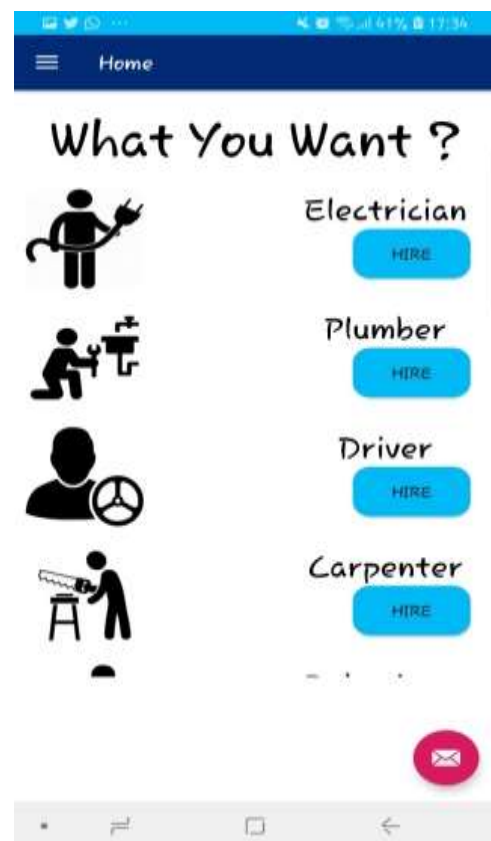


FIG:V.VI



FIG:V. VII



FIG:V. VIII

VI. ADVANTAGES, DISADVANTAGES

Advantages :

The Home Service Provider Project offers numerous advantages in simplifying and enhancing household service delivery. Firstly, it provides homeowners with a convenient and centralized platform to access a variety of essential services, such as plumbing, electrical work, cleaning, and maintenance. The online system ensures quick and hassle-free booking of skilled professionals, facilitating efficient task completion. Standardized rates eliminate the need for price negotiation, offering transparency and ease of transaction for users.

Disadvantages:

Despite its advantages, the Home Service Provider Project may face certain challenges. One potential disadvantage is the dependence on technology, which could lead to issues such as system outages, connectivity issues, or technical glitches affecting service availability. Additionally, the platform may encounter difficulties in ensuring consistent quality across all service providers, as individual performances can vary. Another challenge could be the resistance to adopting online platforms among some users, particularly those who prefer traditional methods or face barriers to technology access..

VII. CONCLUSION

The Booking Home and Individual Services application provides some of the home services which are most frequently used. This system accommodates the changing needs of the end user. The overall system can be designed so that its capacity can be increased in response to the further requirements for which the application provides an appropriate service overseas. Further this application can be prolonged by merely adding up the required services and additional payment systems. For example, the current system provides the following services such as electrician, security guard, driver, plumber repair and other service. Further the system can be extended as per the requirements of the user. The system can have prolonged by adding the services such as mobile and computer repair, laundry services, catering services and many more. The discussion payment methods our system has, for example currently system has online payment by only PayPal users further it can be extended by adding the payment services for visa users also.

VIII. REFERENCES

Firebase Documentation : <https://firebase.google.com/docs/database>

Android Docs : <https://developer.android.com/docs>

Android Material Design : <https://material.io/develop/android>

Material Desing Icons Link : <https://fonts.google.com/icons>