

A Survey on online applications for Household Services

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ABSTRACT

The household service system is incredibly useful for everybody who wants home services like painter, electrician, carpenter, plumber, construction worker, fabricator etc. When an individual relocating from one area to a different one it's hard to find services, they want. In such situation e-Commerce plays an important role in today's life as it has so many advantages in our life because it makes in daily life of the people convenient. So, basically our aim is to design and develop a system that provides many services at your doorstep in just one click. It's a system that helps you connect to one of the best variety of labors providing huge range of services like plumbers, movers and packers, repair persons, cleaners, electricians, painters and many more. The labor will be able to create their role according to their profession and the customer can contact them according to their preferences. There will be no involvement of middle-men in this application. A very simple process is carried out to call a labor for their service. System is versatile as profile of the labors can be viewed from anywhere you desire.

Keywords: Servers [C.5.5], Data Storage and Representation [E.2], User Interfaces [H.5.2], Social Issues [K.4.2], Object-oriented Programming [D.1.5].

I. INTRODUCTION

An online household service system is an android application that basically helps the common man i.e. the customer to connect to our daily wage labour. When someone requires assistance for domestic tasks, the problem occurs due to inaccessibility of service skilled or a trustworthy provider who provides faultless service on request. Most online system for household services provides the most expedient and hassle-free way to get your domestic work done. We aim to help in providing optimal solutions to all your household troubles with

more efficiency, ease and majorly, a delicate touch. A single click system describes booking highly skilled in-house professionals and gets your service done on time. This technique helps in providing finest results to all or any domestic troubles with high efficacy and ease. On demand home service system aids not only the users but also the service providers to succeed in out the potential customers. The only main intention of creating this amazing application is to provide the daily wages worker a platform to get into the market and earn for their living, as this Covid_19 pandemic has caused a wave of unemployment amongst them. This online system unlike others can

also be made available in the regional languages as well so that no matter where the user is from, he/she can be able to easily use it. This paper discusses about the web home services, several other services provided and therefore the method of ordering and delivery of services. The event of web based online system helps in determining household services and collaborating interface to look the services. The system also acknowledges the confirmation of services chosen by the users.

II. LITERATURE SURVEY

Taein Hwang [2006] Few service providers have their own service platform to provide services to the customers but the small-scale service providers don't have platform to provide services to customers. It was a high time to provide a common platform so that everyone can participate in the market. This was resolved through digital home service delivery and management system (DSM). It shows how home services of the service providers can be delivered to the service user via the DSM system. One of important point to note here is how the service user can be provided with various services through reliable service aggregator and receive a single bill for the subscribed services.

Chang-Xing Qi [2010] The problem of provincial labor and social security services got resolved through the intelligent switching platform. Intelligent switching platform focus on data interactive mode and inter-departmental information. The architecture of the system was designed in such a way that there was a detailed function of the system. The customer service system is a centralized and integrated platform which is built with call centers and other modern means of communication and information technology.

Shurong Wang [2011] The researcher focusses on the problem of migrant labors and enterprises. He

thought of coming up with the platform for migrant labors training and enterprise labor supply. This platform consists of migrant labors information, enterprise information, training organization. Which is all controlled by supervisory authorities. Due to this system overall quality is increases, difficult to find the right people is resolved(training), and many social problems were addressed.

Sheetal Bandekar [2016] "Domestic Android Application for Home Services" is a customized Mobile Application which uses Android SDK (Software Development Kit), Eclipse, Java and MySQL for Android Application Development. This provides domestic services to customers such as: electrical services, plumbing services and carpentry services and many more household services. The application uses GPS to fetch the users' location and assigns nearest service provider from his existing location dynamically. Hence, this application seems to be more dynamic, effective and efficient than the existing system.

Zhang Fuyan [2017] Through this paper we come to know how the problem in a household could be resolved using the STM32core in which they designed a robot which has

sensors and Wi-Fi camera loader mounted on the machine to remote control the moments and all so obtain the environmental data through sensors. PHP and QT is used to build the server. Robot and mobile communicate through telecommunication technology, whereas for location and tracing purpose Bluetooth was used.

N. m. Indravasan [2018] noted that in this modern life style, people are very much in their heavy work culture. In the busy schedule if any unexpected household task pops up. That distracts them from their work. E-Commerce can play a primary role in solving this issue. Creating a platform that can provide number of services in one click. Researcher

went with email confirmation for verifying the customers who will be using the platform.

Neale A. Dagdag [2019] This was a completely mobile application for android device. Where the main aim was finding work opportunities for skilled workers. The skilled workers will get connected to customers who need services such as: electrical service, plumbing service, automotive repair, and other similar services which can be done at the customer's home. The main revenue shall come from commissions and quarterly membership fee from the skilled workers. Revenues may also come from advertisers and/or companies who wish to tie-up with At-Your-Service mobile application.

S Rachitha [2019] Focus on establishing a market platform which not only embrace consumer demand but also providing platform for service professionals an opportunity to earn additional income. Researchers came up with an idea of providing an option to the people, wherein if they encounter any issue, they can contact a service professional from another location as well. So, who can assist them in fixing the issue? Web application is deployed on cloud which will reduce the infrastructure overhead and operational cost. System also provides quality of service, as it works on rating and servicemen working history.

K. Aravindhan [2020] This is an online home services system. The purpose was to find the service providers detailed information which helps customers to get their services fulfil instantly. The thing which makes it different from other system is "chatbot" which helps the users to clarify the queries posted.

III.CONCLUSION

This paper lists the analysis of the household service system that helps to reduce the burden in finding appropriate service provider by providing a detailed

information which helps the users to get their service fulfil instantly. A systematic android application offers ease in accessing the required services in a more comfortable way. With a well-qualified and background demonstrated professional we may provide all plumbing, carpenter, electrician, fabricator, construction worker and many more services to be done in a click anytime and from anywhere. There is a need to create a more dynamic application rather than the existing system. As technology is reaching heights day by day, we too should make sure we make the best use of it by helping others out and giving Therefore, by the survey performed we conclude that that in today's era booking a service through mobile application will be a new way of communicating and getting your work done. Thus, we can make an effort to take this technology forward and to make the best out of it would be our only goal.

IV. REFERENCES

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