

SMART ASSIST SERVICE AT YOUR DOOR STEPS

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Abstract:-

People are mired in a heavy work culture in the present because of everyone's tight schedules and demanding tasks, which cause them to neglect their families. Any unanticipated problems they run into divert their attention and force them to prioritise other tasks over the work they need to get done. Any unanticipated problems they run into divert their attention and force them to prioritise other tasks over the work they need to get done. Managing both your work and personal lives is crucial. In such situations, everyone would have fantasised about a type of home without any plumbing leaks, if it doesn't have any mess when fixing furniture, a type of home without ever needing any maintenance, and everyone would have thought that life would be much better if there were no problems with getting services delivered to your door and if there was no mess when bargaining with a labourer for home services. E-commerce plays a crucial part in such circumstances because it has so many benefits for us and because it makes people's daily lives more convenient. By thinking about that part of life, a system that delivers a variety of services to your door with just one click can be designed and developed. A system that offers a wide range of services, including taxi service, laundry, plumbers, movers and packers, repair workers, cleaners, electricians, and painters. Our system offers a mobile environment that makes it convenient for users to access our services in order to make it comfortable for all users. Booking a service or services is really easy, and our system is adept at sending an email of confirmation for the chosen service. People can select the specificity of the service they need by uploading the necessary specification's image. The system is flexible since it allows you to book services from anyplace to anywhere desire.

I. INTRODUCTION

The difficulty arises when service competent personnel are not available or the reliable providers are impossible to find, who continuously give flawless service on instance, when someone needs assistance with modest but significant domestic activities. The most efficient and hassle-free way to do your household tasks is through our online system. We seek to assist in offering the best

answers to all of your household problems with greater efficiency, comfort, and most importantly, a gentle touch. Highly qualified internal professionals can be hired with only one click, and your service will be completed promptly. Customers' total willingness to pay is strongly and favourably connected with both their expectations that fee-based services will be superior and their conviction that it is ethical to "pay for what you get." Taking this into account, our suggested system is essentially a market place for household services. On this platform, prices are set at a fixed rate, so there is no need for bargaining over prices. In order to please customers, a system that provides a joyful and healthy home environment includes several elements like painting, pest control, house cleaning, plumbing, electrical repair, and carpentry services.

II. OBJECTIVES

Delivering home services with just one click at the door step is the main goal of the online system for household services. This essay examines the primary topic of online home services, a variety of services offered, and how services are ordered and delivered. Any authorised user wishing to look for home services using a clever web-based system or a mobile application may use the online system for those services. By giving the necessary credentials at the time of registration, to provide an authenticated and authorised login module for the users, such as service seekers, service providers, and the admin. To create a mobile application that is equivalent to the web-based online system for choosing home services. to create a mobile-friendly interactive user interface for services. to give service seekers access to a secure online payment gateway. to recognise the users' chosen services as conforming.

III. SYSTEM REQUIREMENTS

3.1 Software Requirements

Table 1 : Software Requirements

SERVER SIDE	Operating System	Window86_64
	Application software	NodeJS
	Software tool	HTML,JavaScript,CSS,React
	Database	Local DB

	Payment Gateway	UPI Payments
CLIENT SIDE	Operating System	Any Operating system that supports Browser.
	Application software	Any JavaScript enabled web Browser

2.2 Hardware Requirements

Table 2 : Hardware Requirements

SERVER SIDE	*A hosting service based on cloud from OneSite (Skywalker) is purchased.	
CLIENT SIDE	Processor	Any Processor x86 or x64 supportive to software required.
	Disk Space	25-50 MB (for Browser Installation)
	RAM	256 MB

IV. SYSTEM DESIGN

4.1 System Tools Major Tools used in our system.

4.1.1 React Js

React is a declarative, effective, and adaptable JavaScript user interface library. An open-source, component-based front-end library called React.js handles solely the application's view layer. It is a library built on the MVC architecture that serves as the "C," or control, role. The declarative approach used by React, which seeks to be both effective and versatile, makes it simpler to reason about your application. For each state in your application, it creates straightforward views, and React will quickly update and present the ideal component whenever your data changes. Your code becomes more dependable and troubleshootable when using the declarative view.

4.2.1 Registration Module

Customers who are interested in our services are invited to sign up for a free account in our portal by following a few easy steps, and are then asked to confirm account creation by giving valid credentials. After completing registration, a confirmation email about a new account with a verification link is sent to the specified Email-id.

After completing account verification, a consumer is now free to access our services.

4.2.2 Service Module

Customers can enter into their accounts to arrange services when they wish to. The portal is specialised

with an interactive user experience that offers clients a convenient way to book a service and asks them for information about the services they need. Customers are asked to provide photographs of their personal information if necessary if they are unsure about any of the services. When finished, the request is submitted, and a payment page is opened for processing the funds.

4.2.3 Payment Module

The following module of the procedure, where the customer must pay for the services selected, is preceded. An external payment gateway is used, which ensures a secure and safe transaction. Once the payment has been made, the user is sent a confirmation acknowledgment with all the information regarding the services they have chosen, and a website confirmation is also displayed. When the service is scheduled and approved, service personnel from our company will come to your location to provide the service. The concept put out in this paper is one of the new inventions because it spares customers the effort of looking for labourers and the hassle of haggling to obtain profitable services. After the service is finished, our clients are asked to review the overall work done by our professionals and to provide any insightful feedback or suggestions for service improvement. A return policy is authorised if the customers are dissatisfied with the service received, and a re-service may be performed to make you feel comfortable using our service.



4.3 Use Case diagram for the proposed model

The three actors in the proposed system are an administrator, a service provider, and a customer. For accessing and making changes to the website, the administrator only has to log in. The customer should first complete the registration and login processes before approaching the admin to use our services. A customer can upload a file that details the services if necessary. Once the request has been fulfilled, he can forward it for

payment, and once the service has been completed and confirmed, the client can rate the experience. In the worst case scenario, the consumer can proceed with the return policy process if they are dissatisfied with the service. Finally, a service provider, who is the one providing the service, is required to complete the registration and login processes as well as the uploading of files. Once the service is confirmed, they are notified to begin providing it, and once finished, if the customer is dissatisfied with it based on the customer review, they are required to provide a re-service.

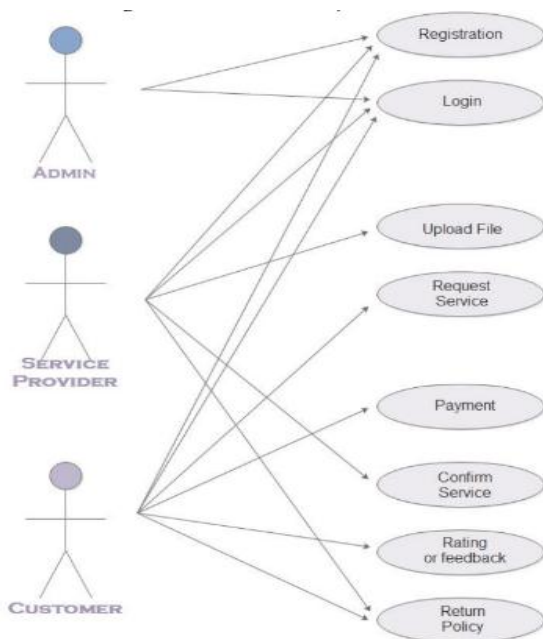


Figure 2 : Use Case diagram

V. CONCLUSION

The suggested system offers various services by delivering service specialists to your doorstep in a single click, easing the load of seeking internal solutions for the services. A structured mobile environment for system clients makes it easier and more pleasant for them to access our services. We make all of your home cleaning, plumbing, furniture maintenance, electrical works, appliance repair, house painting, vehicle service, and many other services to be done in a click anytime from anywhere as easy as possible with our well-qualified and background-demonstrated personnel.

VI. FUTURE SCOPE

Some of the most popular home services are offered by the online household services application. This technology adapts to the end user's shifting needs. The total system can be planned to have an improved capacity in response to future needs for which the application will be able to give a suitable service abroad. This application may be extended further by simply

including all necessary services and additional payment methods. The system now in place, for instance, offers the following services: home painting, home cleaning, packers and movers, plumber repair and servicing. In addition, the system can be expanded to meet the needs of the customer. By including more services like mobile and computer repair, laundry, catering, and other similar ones, the system can be made longer. Our system's payment options are being discussed. For instance, at the moment, it only accepts online payments from MasterCard users, but that feature might be expanded by including payment options for Visa users as well.

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