



ONLINE HOUSEHOLD SERVICE ASSISTANT

Under the guidance of
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ABSTRACT

The Online household service assistant system was developed to make the process of finding the household service providers easily through fingertips using mobile application. As in current generation the technologies are growing rapidly in every aspect and everyone is engaged in their work life and there is no time for them in finding the service providers and bargaining them to fix the damaged parts in household. This system contains the service providers as they will register in this with their details and service receivers who want this services will login to this application and find out the correct category they need the service and send them the request and then the service providers can accept the request and provide the service or reject the request based on their interest.

INTRODUCTION

When someone need aid with small but major household tasks, the trouble arises when service skilled persons are unavailable or the trusted providers are impossible to find, who delivers consistently flawless service on instance. 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. Customers' overall willingness to pay is significantly and positively correlated with the expectation that fee-based services would be better, and with the belief that “pay for what you get” is the right thing to do. Keeping that in sense our proposed system is basically a marketplace for household services and it is the platform where the rates were standardized and there is no necessitate haggling over prices.

PROBLEM STATEMENT

In the present system if there is any issue in household works like leaking of pipes, furniture broken, electricity problems finding labour and bargaining them to reach home to fix them is a heavy task. To help the people in such scenarios and helping them to find the services from home, we developed a system called Online household service assistant. In this the service providers will register with their details and they will also mention the cost for their particular services. User or people who need the services they want can send the request to particular service provider.

LITERATURE SURVEY(PAPER-1)

Title,Author name,year	An Online System for Household Services:N. M. Indravasa,2018
Abstract	A system that provides a variety of services, such as laundry taxi service, electricians, painters,plumbers, movers, and packers. The online system for household services' prime purpose is to deliver services to homes with only one click at the doorstep
Objective	The primary objective of the online system for household services is about delivering the home services at the door step just by one click.

PAPER-1...

Methodology	The user gets a list view of all the service-providers of that particular service. The user gets a list view of all the service- providers of that particular ser- vice.
Conclusion	More facilities and features for accessing applications running on remote desktop from mobile handheld devices will be provided Thus the extended scope of this system will prove to be helpful in providing mobility and accessing the desktop over the internet.
Results	Administrator has maximum privileges to access the system. The admin maintains user login details, can assign access rights to a user, can manipulate data and do all the transactions.

LITERATURE SURVEY(PAPER-2)

Title,Author name,year	Web Application Based On Demand Home Service System: K. Aravindhan et.al,2020.
Abstract	The service provider's therein particular locations are listed to user with contact number and therefore the user can contact them. By this users can easily avail the needed home services with one difficulty and delay.
Objective	Home service providers can register with this website and add their basic details with their contact number. User can register with this website by providing the basic details like name, gender,address, mobile number and mail id.

PAPER-2...

Methodology	The user gets a list view of all the service providers of that particular service.The user gets a list view of all the service- providers of that particular service.
Conclusion	An Android Application is developed which provides almost all the basic household services.This android application provides a user friendly and safe environment and interface for booking the basic services.
Results	The proposed system helps the users to trace the status of the service they demanded. The tracking functionality in this system makes the user to verify whether the service request has been processed or not.

LITERATURE SURVEY(PAPER-3)

Title,Author name,year	A Consumer Service Provider :Shrestha Sharma et.al,2021
Abstract	Through this platform we try our best to provide solutions or services to those issues which spring up and require attention.Some of the services include plumbing, tutoring, cleaning and so on.
Objective	The main objective is Provide alternatives of most wished workers i.e.Plumber, Electrician, Mechanic and Decorator. Inform by way of push notification with work description to the worker.Send acceptance push notification to customer.Customers and workers can name or send SMS to each other.

PAPER-3...

Methodology	The web application acts as a platform where customers can request for services which they want to be completed. Several service providers such as electricians, plumbers, teachers, carpenters, etc. are few of the options that would be available to the customers.
Conclusion	By creating this web application, we increase the employment opportunities in the society. By reducing the gap between customers and skilled labours we try to bring a solution to the ever increasing problem of labour finding.
Results	This web application has a lot of scope of development in it. Maps can be added for live tracking of service providers.

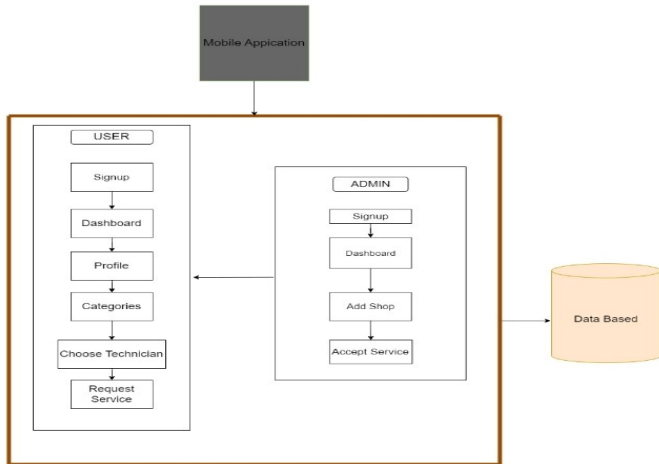
METHODOLOGY

- The Agile methodology is a way to manage a project by breaking it up into several phases.
- It involves constant collaboration with stakeholders and continuous improvement at every stage.
- Once the work begins, teams cycle through a process of planning, executing, and evaluating. Continuous collaboration is vital, both with team members and project stakeholders.

METHODOLOGY

Using Agile methodology for mobile application app development, we can prepare a plan for each cycle separately, we don't waste extra time and resources to fix any bugs since everything can be fixed after each stage of implemented functionality. So we can make a proper plan for each stage without any problems, and it will help us create a first-rate product

ARCHITECTURE



FRAMEWORK

FLUTTER

- Flutter is an open source framework developed and supported by Google. Frontend and full-stack developers use Flutter to build an application's user interface (UI) for multiple platforms with a single codebase.
- This means that you can use one programming language and one codebase to create two different apps for iOS and Android.
- Flutter uses a reactive programming language called Dart, making development faster and easier.

- Flutter's "hot reload" feature lets you quickly and easily make changes to your app without restarting it.
- Flutter is an open-source project, which means you can use it for free and contribute to the platform's development.
- Flutter has a rich set of widgets, and these widgets are the building blocks of Flutter apps, and a wide variety of them are available. This makes it easy to create beautiful and custom user interfaces.

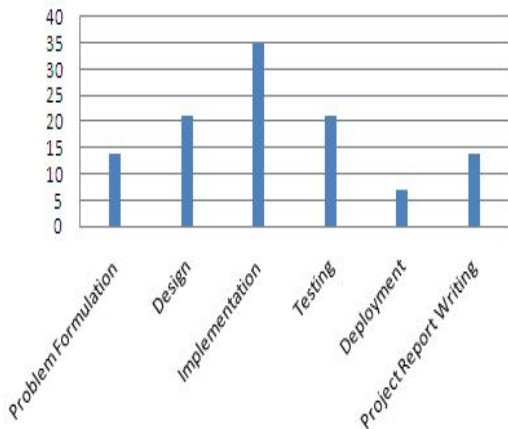
PROGRAMMING LANGUAGE

DART

- Dart is an open-source, general-purpose, object-oriented programming language.
- Dart focuses on front-end development, and you can use it to create mobile and web applications.
- Dart is the basic programming language for the Flutter framework
- Being a general-purpose programming language, it is used to build native mobile apps for Android or iOS, desktop apps, and servers.

GANTT CHART

Time Schedule of the Project



Contribution of the candidate

Project Associate (PA)	Problem Formulation	Design	Implementation	Testing	Deployment	Project Report Writing
PA1 19K61A1232	Yes	Yes	Yes	Yes	Yes	Yes
PA2 19K61A1203	Yes	Yes	Yes	Yes	Yes	Yes
PA3 19K61A1241	Yes	Yes	Yes	Yes	Yes	Yes
PA2 19K61A1246	Yes	Yes	Yes	Yes	Yes	Yes

HARDWARE/SOFTWARE IMPLEMENTATION

- Admin Module
- Technician Module
- User Module

ADMIN MODULE

- The admin will login to the application using their credentials
- Then the admin checks if there are any requests awaiting for approval
- The admin can approve or deny the request that had been sent by the technician
- The admin can add the technician and can also add the service categories.

TECHNICIAN MODULE

- The Technician should register and create an account in this application by entering their details.
- The Technician should provide their location in the application.
- if someone requests their service then receives a notification by showing the details of the person who is requesting service and the time and date when they wants the service.
- The Technician can accept or reject by his own interest.

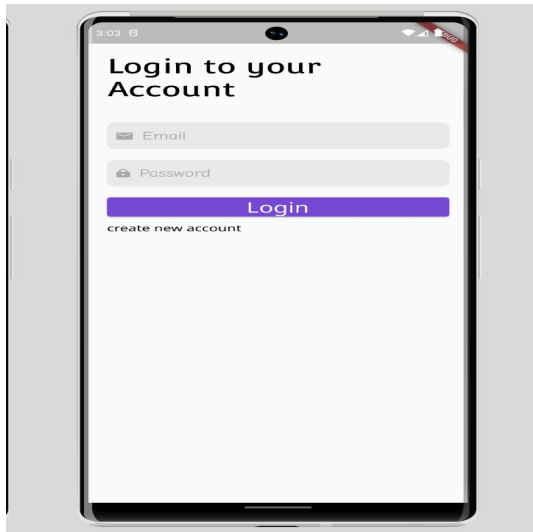
USER MODULE

- User should also registered into the application.
- The user will search for the required service centre.
- Based on the location of the technician the user can choose the nearby technician and send request to him.
- The user should entre the deatils of their necessary time and date.

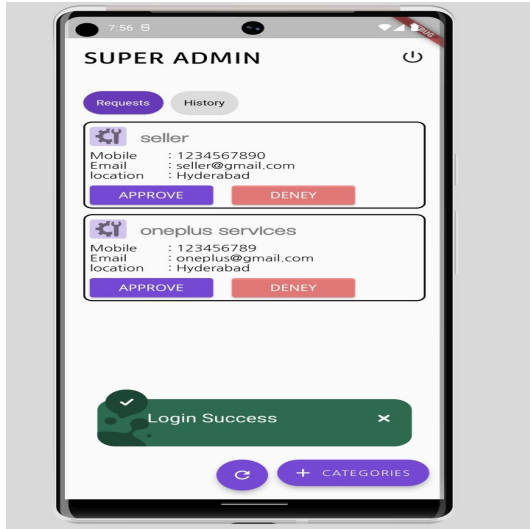
EXPERIMENTAL RESULTS



EXPERIMENTAL RESULTS



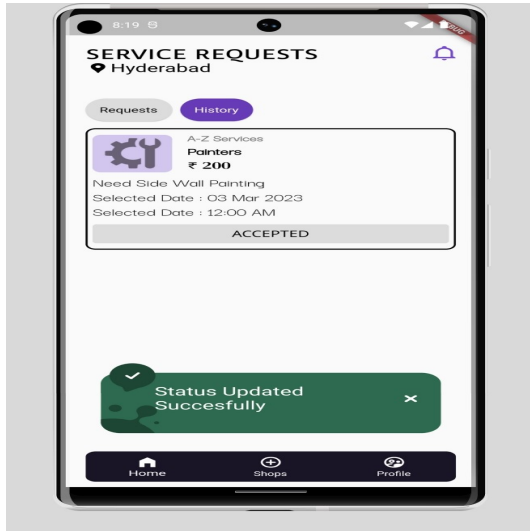
EXPERIMENTAL RESULTS



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EXPERIMENTAL RESULTS



EXPERIMENTAL RESULTS



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. With just a click, we can complete all of your home cleaning, plumbing, furniture upkeep, electrical work, appliance repair, house painting, vehicle repairs, and other services anytime from anywhere as easy as possible with our well-qualified and background- demonstrated personnel to enable better use of it.

SCOPE FOR FUTURE WORK

Smart Assistant system was developed to help the people in finding the household services that re required for them easily through smart phones, This reduce the time to find the services manually. In future we are planning to add one more feature in this project like online payments.

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THANK YOU