



Client Service Provider Using Web Application

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ABSTRACT :

Home Hero Hub is a cutting-edge platform that was inspired by the Urban Company concept and was created to link service providers and customers in urban areas. The project aims to address the growing demand for dependable and effective home services, like plumbing, electrical, and cleaning, in today's fast-paced urban environments. By utilizing technology, Home Hero Hub gives service providers a strong system to manage bookings, increase visibility, and improve customer engagement, while also giving consumers access to a wide range of services at their fingertips. Through thorough user feedback and ongoing iteration, Home Hero Hub is focused on building a trustworthy ecosystem where user satisfaction and quality service comes first.

Keywords: service quality, customer orientation, customer satisfaction, customer loyalty.

1.INTRODUCTION :

The idea empowers local service providers by giving them a platform to expand their enterprises, while simultaneously improving convenience for city people. By promoting a community-focused strategy that places a premium on dependability, effectiveness, and service quality, Home Hero Hub ultimately aims to transform the home service sector. There is a greater need than ever for dependable and effective home services in today's hectic urban settings. In order to preserve and enhance their homes, city inhabitants are continuously looking for reliable professionals to assist with anything from cleaning and repairs to plumbing and electrical work. Finding trustworthy, knowledgeable service providers, however, is frequently difficult.

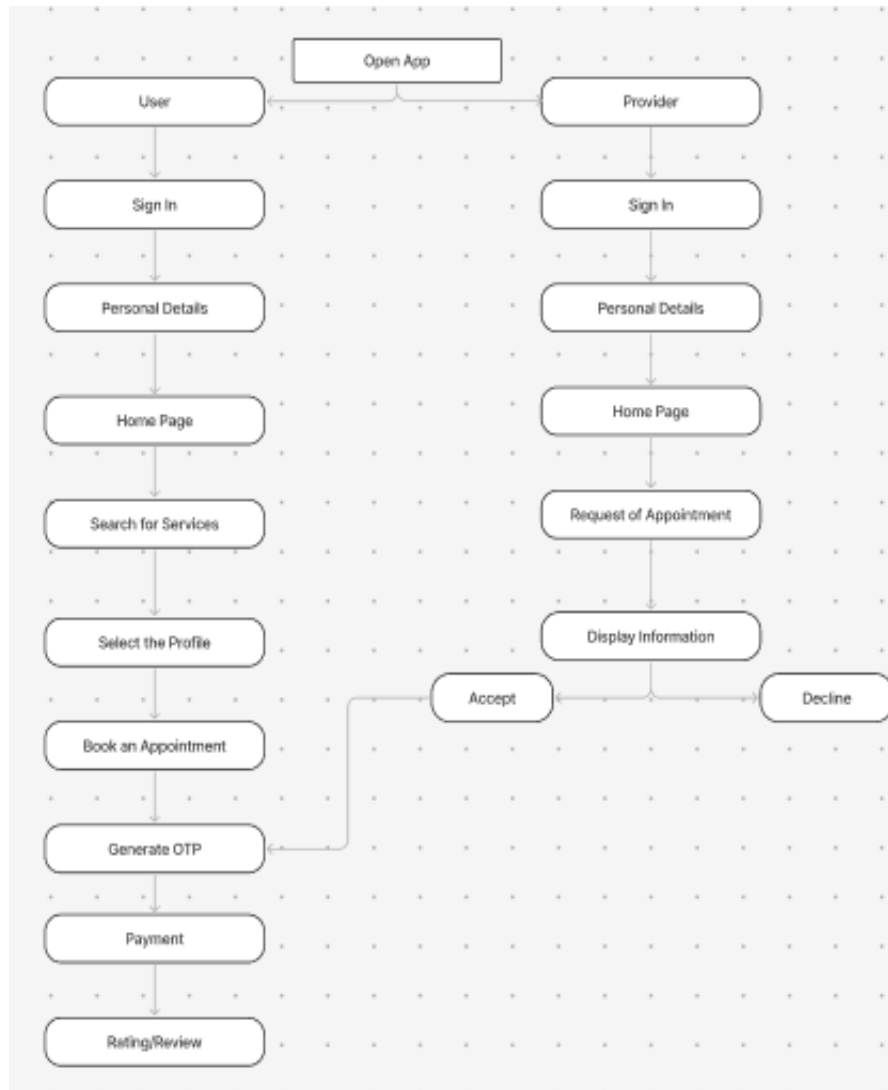
Home Hero Hub is a state-of-the-art platform that links customers with a variety of home service providers in cities in order to close this gap. The Urban Company concept served as inspiration for Home Hero Hub, which uses contemporary technology to give a smooth, user-friendly experience for both clients and service providers.

By providing them with the resources they need to handle reservations, increase their visibility, and cultivate enduring client connections, the platform aims to empower regional service providers. In addition, it gives customers a dependable and effective method of instantly accessing reputable services.

Home Hero Hub is unique because it prioritizes community, dependability, and quality. Through a focus on client feedback, ongoing iteration, and a dedication to service quality, the platform seeks to create a reliable ecosystem where user pleasure is given first priority. For all home service needs, Home Hero Hub is the go-to place, whether you're a local plumber trying to expand your business or a busy professional in need of urgent repairs.

Home Hero Hub is poised to revolutionize the home services sector with its community-focused strategy, enabling more convenient and accessible urban living for everybody.

2. SYSTEM ARCHITECTURE :



The proposed system architecture contains the subsequent components, a summary of its components and procedure is provided below:

1. Opening the App

Both **users** (customers) and **service providers** start by opening the app

User Journey (Left Side of the Flowchart)

2. **Sign In:** The user registers if they haven't already or logs into their account.
3. **Personal Information:** New users supply basic personal information such as their name, address, and phone number.
4. **Home Page :** After landing on the main dashboard, the user can peruse the services that are offered.
5. **Service Search:** The user looks for particular services (such as cleaning, electrical work, plumbing, etc.).
6. **Choose the Profile :** Once the user has identified the service they require, they examine several service providers and choose one based on experience, reviews, or ratings.
7. **Make an Appointment :**The user makes an appointment with the provider of their choice.
8. **Generate OTP :** An OTP (One-Time Password) is generated to verify the reservation and guarantee security. The user provides the provider with this OTP at the
9. **Payment:** Using a built-in payment gateway, the user pays for the service.
10. **Rating/Review:** The user has the option to rate and review the service once it has been rendered, depending on their experience. This contributes to the platform's continued transparency and quality.

Service Provider Journey (Right Side of the Flowchart)

2. **Sign In:** The service provider logs into their account or registers if they are a new provider.

3. Personal Details: New providers submit essential details, such as contact information, qualifications, and experience.

4. Home Page: The provider accesses their dashboard, where they manage appointments and customer interactions.

5. Request of Appointment: The provider receives a notification when a user books a service;

6. Display Information: The provider views the details of the service request, including the date, time, customer information, and service requirements;

7. Accept or Decline: The provider can choose to either accept the appointment, confirming their availability, or decline if they are unavailable or uninterested in the request.

3. PROPOSED METHODOLOGY :

The suggested approach for Home Hero Hub starts with careful preparation and study, which includes user research, market analysis, technology selection, and adherence to regional laws. After that, the platform is designed and developed, beginning with user-friendly UI/UX wireframing that guarantees smooth navigation for both clients and service providers. While the frontend will offer a responsive and interesting user experience, the backend will be built to securely handle reservations, payments, and user identification. In order to ensure service quality, an organized onboarding procedure for service providers will be put into place, which will include registration, verification, profile development, and a rating system. Before launching, thorough testing, such as unit, integration, and user acceptability testing, will guarantee platform dependability. After a soft launch to collect early feedback, a strategic marketing plan incorporating partnerships, digital campaigns, and referral programs will be implemented. Following launch, customer feedback will drive ongoing development, with automation and artificial intelligence improvements to maximize efficiency. In order to properly scale the firm, expansion into additional markets and service categories will be sought as the platform gets popularity.

4. IMPLEMENTATION :

4.1 Technologies Used

- Frontend: Python, HTML.
- Backend: Django, Django REST Framework, Sqlite.

4.2 User Roles

- Client: Search for service, book service, and rate them.
- Company: login, request of service, accept or decline.

5. SCOPE FOR FUTURE WORK :

The implementation of a number of crucial features and integrations will improve Home Hero Hub's usability and scalability.

With the help of the enhanced filtering and search features, consumers will be able to locate service providers according to particular standards like location, cost, reviews, availability, and level of experience. In order to ensure that users promptly connect with the most qualified professionals, AI-driven recommendations will further refine search results. High availability, performance, and security will be guaranteed by deploying the platform on cloud platforms such as AWS or Azure for scalability. Cloud-based solutions will offer the adaptability to dynamically scale resources, effectively managing rising user traffic and data storage. Furthermore, incorporating cloud-based AI services will make it possible to use capabilities like predictive analytics, automated booking management, and real-time chatbots.

In order to provide a responsive and engaging user experience, the backend will be easily integrated with an Angular or React frontend. The frontend will offer a user-friendly interface that facilitates seamless navigation, real-time updates, and effective service scheduling for both clients and service providers. Utilizing cutting-edge UI frameworks, Home Hero Hub will provide a high-performing, aesthetically pleasing, and intuitive platform that raises user satisfaction and engagement. Together, these characteristics will produce a dynamic, customized, and internationally available platform that aids in users' job matching and career advancement.

6. CONCLUSION :

To sum up, Home Hero Hub is a revolutionary platform that offers a smooth, tech-driven solution for home services while bridging the gap between clients and service providers. The platform guarantees a streamlined and customized experience by combining sophisticated filtering, AI-powered suggestions, and an intuitive user interface. By improving scalability, security, and performance, cloud deployment on AWS or Azure enables the platform to efficiently manage growing demand. A responsive, engaging, and seamless application is guaranteed when a React or Angular frontend is integrated with a strong backend. As the platform develops, adding blockchain, AI, and IoT technologies will improve automation, trust, and service quality even more. With a solid base and a defined expansion strategy, Home Hero Hub is poised to emerge as a top home services provider, offering innovation, dependability, and convenience to cities and beyond.

7.ACKNOWLEDGMENT :

We are grateful to our guide, Ms.P.B.Borate who helped create Home Hero Hub, I would want to sincerely thank you. Without the invaluable advice, assistance, and insights from mentors, developers, designers, and industry professionals, this project would not have been feasible. A special appreciation goes out to the research teams and participants who offered insightful criticism that helped mold the platform to successfully satisfy user needs. I am also appreciative of the resources and technological developments that made it possible to integrate cloud computing, AI-powered features, and contemporary UI frameworks, which made this platform both scalable and easy to use. Finally, I want to thank my family and friends for their support during this journey. Their steadfast encouragement and faith in this idea have been crucial to the realization of Home Hero Hub.

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