Home Service Provider

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Abstract—**The quest to find a trusted home care expert Including plumbers, electricians, painters and carpenters, they often prove inefficient and cumbersome for consumers. Timely Fix is a digital solution that aims to connect users with home care service providers. It provides a smooth and user-centric experience. The platform allows users to search for available services. Select the desired service provider. and make appointments according to the selected time zone and date. Developed with contemporary web technologies, Timely Fix guarantees a commitment to real-time capabilities. Scalability, transparency, and reliability by addressing key challenges in the home care industry the platform will improve user convenience. and providing service providers with a valuable tool to connect with customers, Timely Fix has played a key role in revolutionizing the home care sector. and lay the foundation for future innovations in service management.**

I. INTRODUCTION

There have been many users who face trouble in finding reliable home service professionals such as plumbers, carpenters and electricians. The conventional methods tend to be inefficient, lack of adequate transparency and involve burdensome searches [1]. Given the technology dependency that exists today, it is crystal clear that there is a gap that needs to be filled by devising a straightforward and simple to use platform. "Timely Fix" aims to assist users with managing their requests for services, booking appropriate appointments and more by providing home professionals and service users such a platform. The project aims to change the entire paradigm around how home services are done in order to maximize user comfort and service provider opportunities.

II. PROBLEM STATEMENT

The home repair and maintenance sector are rising rapidly, and there's a huge need for a platform that can connect homeowners with secure and affordable service providers fleetly and efficiently [3]. There are multitudinous apps in the request that give analogous services, but there's a lack of functionality that's scheduling the service as per your asked time, users to make informed decisions. An end- to- end result is also needed, from scheduling to tracking to payment, in the repair and maintenance process. thus, the paper is set to estimate how effective the Timely Fix Web application will be in these matters and perfecting the user experience for homeowners when they need repair and maintenance services. The results of this study will more understand the position at which the Timely Fix Web application will meet the conditions of homeowners seeking repair and maintenance services like electrician, plumbing, carpentry and coloring and give direction for unborn development of Web apps in this sphere.

III. OVERVIEW OF PROPOSED SYSTEM

Timely Fix will be a web-application built to help users find home services professionals in just a few clicks. It will allow users to view all available providers, services offered, and select suitable dates and times in making a booking. Some of the main features of the system include: Service Selection: Users can choose from a number of possible offered home services, which include carpentry, plumbing, painting and electrical. Real-Time: By integrating Google API, users can schedule and manage appointments in real-time through Google Calendar. User-Friendly Interface: It is designed to be intuitive and straightforward, allowing even novice users to

work easily with. Provider Management: Service directors should register with a specific app showing offered services, which helps the clients book an appointment easily. They will be able to manage their schedule easily. The fundamental objectives of the system are to improve customer satisfaction, develop user loyalty, and increase booking availability.
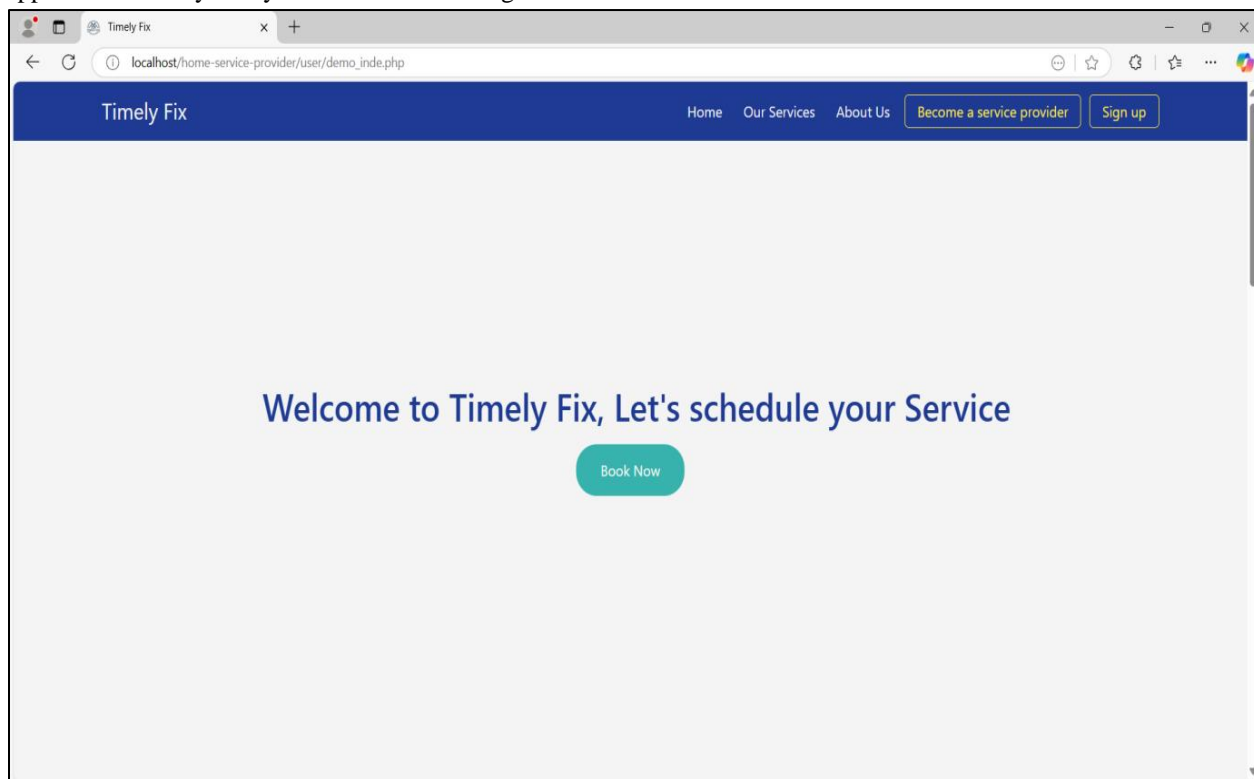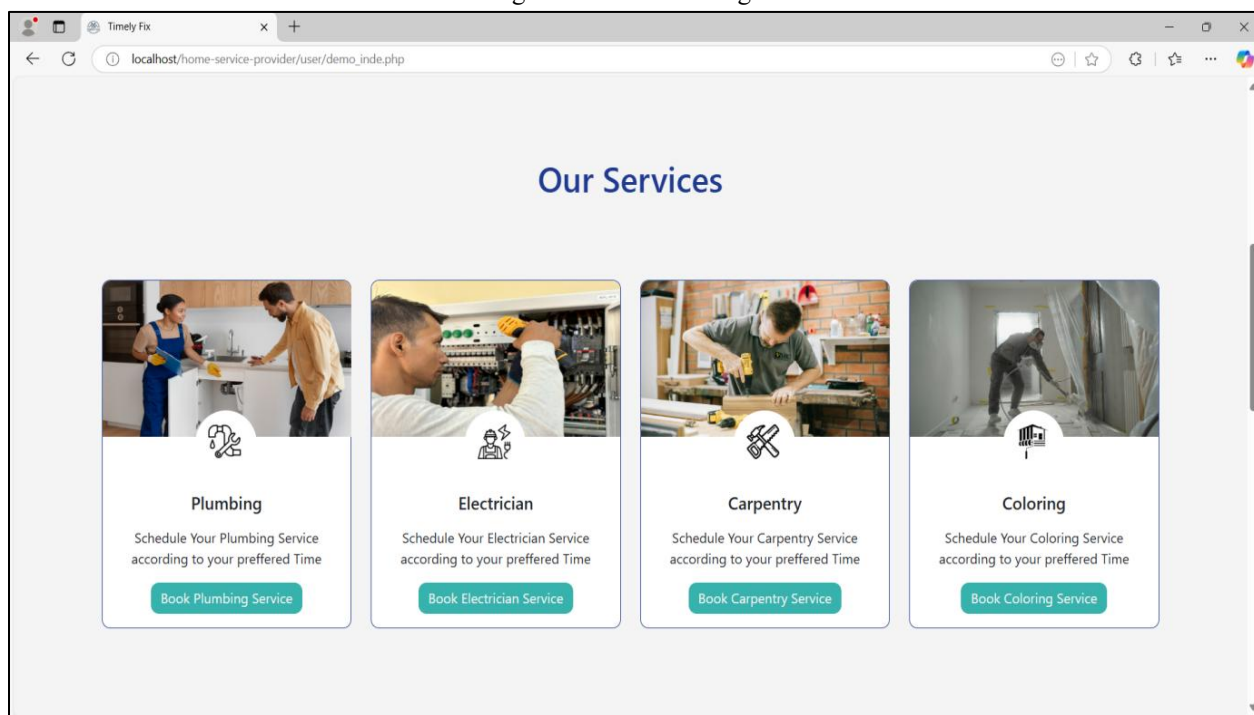

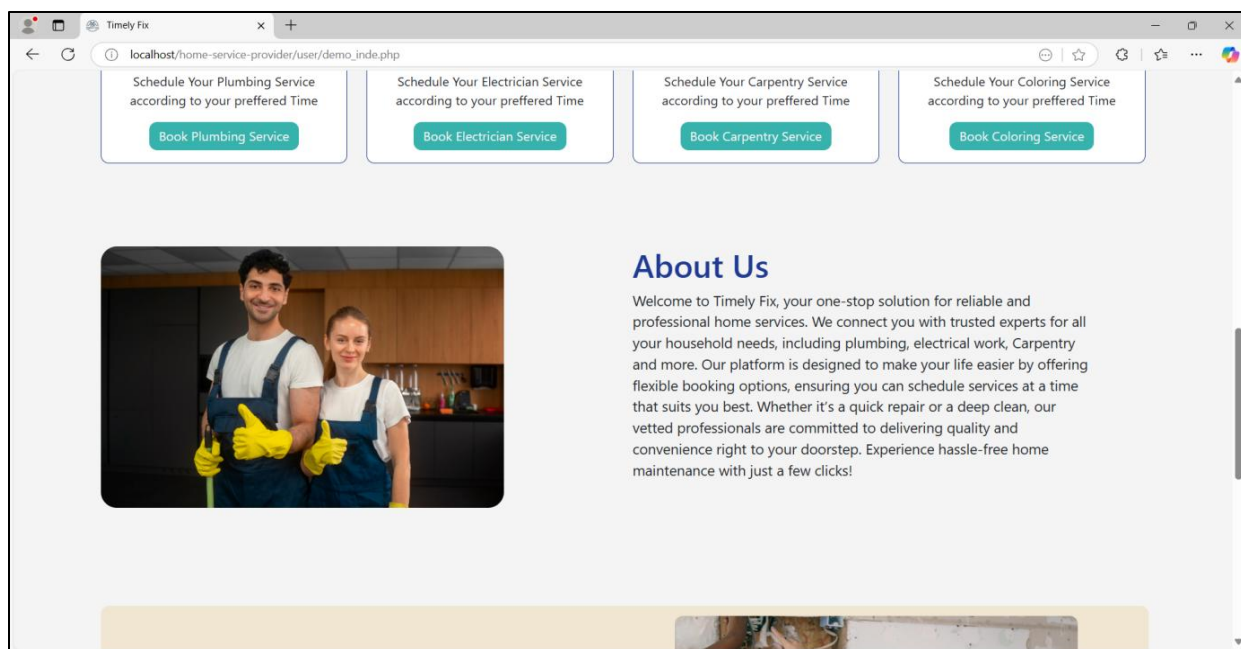Fig 3.1 User's Main Page.
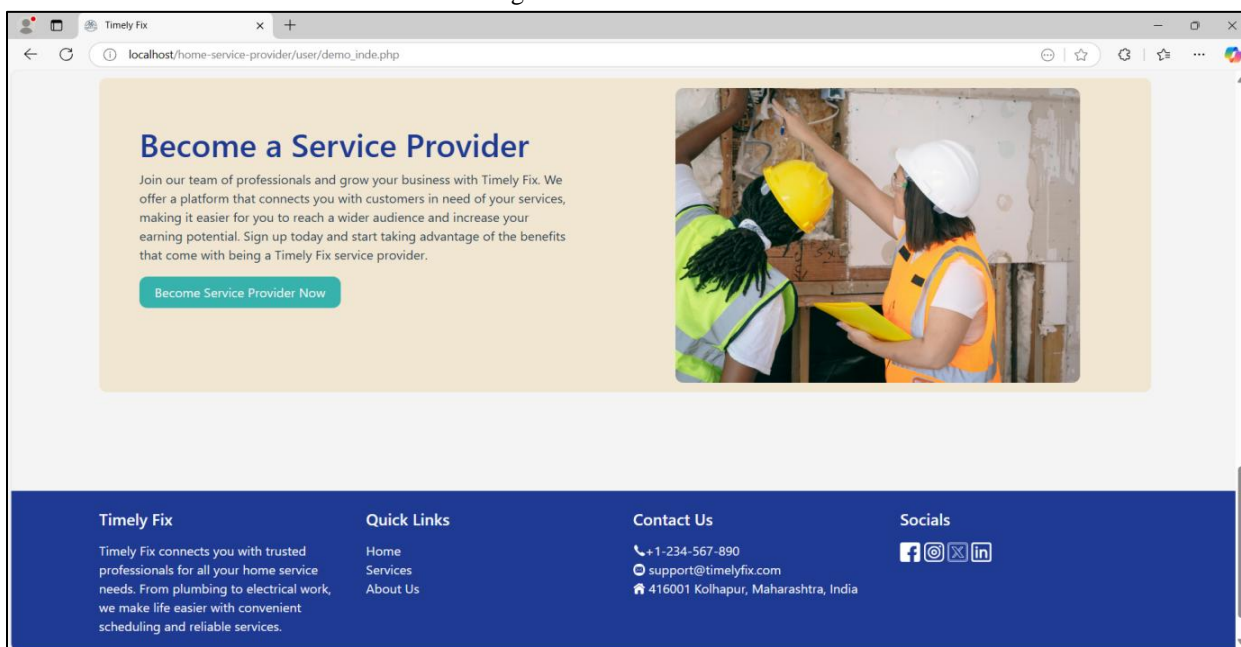

Fig 3.2 Services Section.

Fig 3.3 About Us Section.

Fig 3.4 Become Service Provider Section

IV. LITERATURE SURVEY

For the Home Service Provider Project, a literature survey entails a thorough analysis of previous studies, research, and pertinent literature in the areas of consumer behavior, technology, and home services. It looks at user preferences, technological trends, and the state of home service platforms today. The survey's objectives are to comprehend consumer expectations, find knowledge gaps, and acquire information that can the Home Service Provider Project's planning and execution [2]. Analyzing earlier studies allows the project to take advantage of best practices and creative ways to develop a platform that tackles the unique requirements and difficulties in the home services sector.
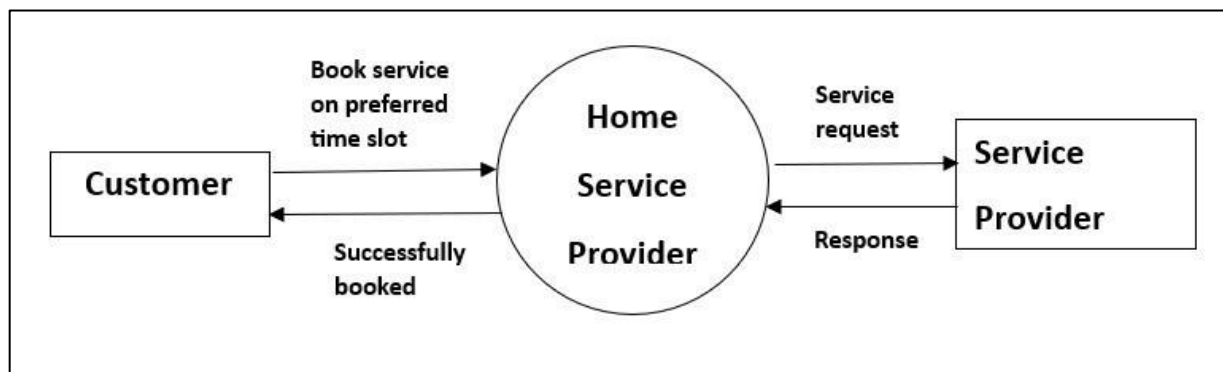
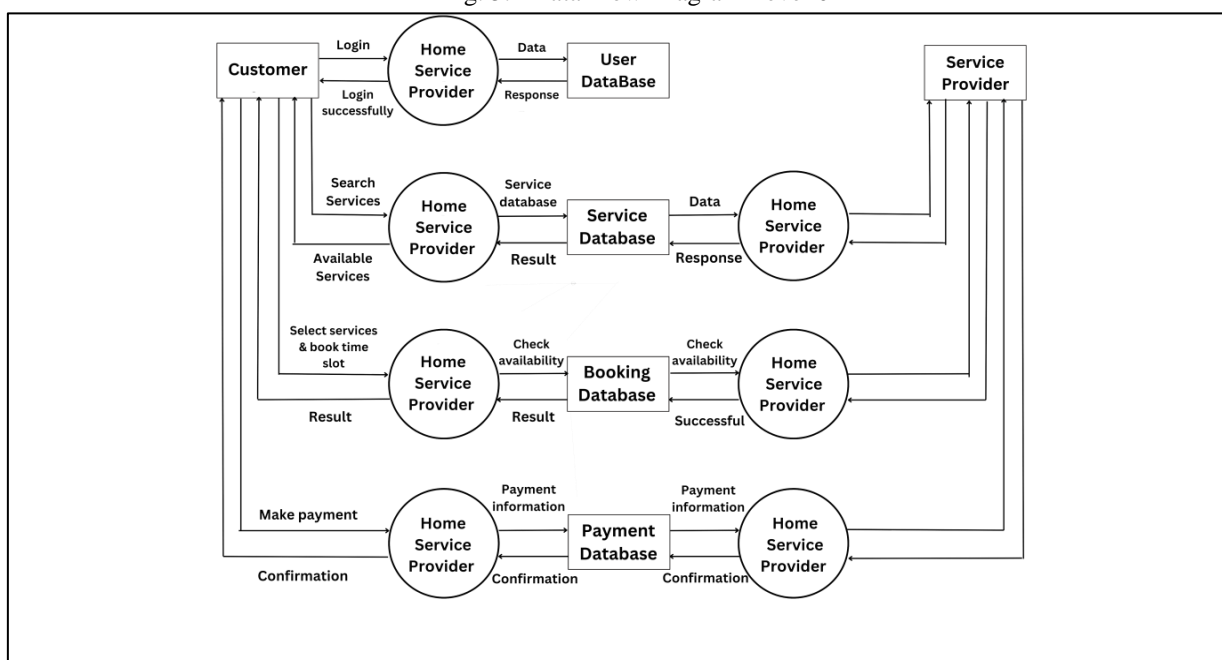## V. SYSTEM ARCHITECTURE

Fig. 5.1 Data Flow Diagram Level 0

Fig. 5.2 Data Flow Diagram Level 1

Frontend: The interchange is secured with SSL which is forwarded to the server. Languages: JavaScript based hypertext markup language, CSS, and SCSS. Backend: Language: PHP Host: XAMPP is an effective platform for hosting which can be running in local windows and mac environments.

Data Management System: Relational Information base: Information appropriately formatted to permit Information related to the booking and the Operatives involved in the help as well as the providers of their help to be considered. A booking system: The presence of the Operators, category api's, in the Google Calendar API, facilitates the use of Operators, who are in a significant sentence, are able to manage

their appointments effectively. Google Services Customer Library is based on the Customer-Host Architecture in which the front-end is used to communicate with the back-end and the result is sent.

VI. REVENUE MODEL

Timely Fix generates income through the following sources:

Service Charge: A portion of the transaction value of each successful booking paid to the Service Provider.

Subscription Plans: High-end packages for providers that include analytics. Promotional tools and better vision.

VII. FUTURE ENHANCEMENTS

The following tendencies are expected to cause endured expansion and flexibility.
Mobile Usage: To use cellular by and large for iOS and Android working structures. AI-Driven Recommendations: AI-based totally tactics that use operator possibilities and past conferences are now to be had to advise provider carriers. Multilingual assist: Enables non-English talking employees to navigate the platform more effectively.

VIII. EFFECTS AND ADVANTAGES

Timely Fix has several advantages for customers and service providers:
About the user:
Makes it easy to find and schedule home services. Let the experts test and trust you. It also provides transparency and real-time scheduling to guarantee convenience.

For service providers:
Improve your reach and visibility to potential customers. Provide resources for effective recruitment and customer interaction management. Provides a stable and reliable source of income. All things considered, Timely Fix helps in simplifying the home services sector. Improve customer satisfaction and promote professional development of service providers.

IX. CONCLUSION

Timely Fix is a game-changing solution for the home services industry that addresses key issues faced by professionals and consumers. The platform uses contemporary web technology to increase efficiency, convenience, and transparency with an emphasis on user-centered design. Adaptation to changing user needs and technological improvements is ensured by its scalable architecture and anticipated future improvements. Timely Fix has the potential to set new standards in the care sector. Home with state-of-the-art features and income-generating possibilities.

X. ACKNOWLEDGEMENT

XI. REFERENCE

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