

QUICKFIX – Local Service Finder

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Abstract- *QuickFix is a web-based local service finder application developed to connect users with nearby service providers efficiently and conveniently. In today's fast-paced world, finding reliable professionals for services such as plumbing, electrical work, home cleaning, appliance repair, and other household needs can be time-consuming and challenging. The proposed system provides a centralized platform where customers can easily search, compare, and book service providers based on their requirements.*

The application supports features such as user registration, service provider registration, service browsing, location-based search, booking management, customer reviews and ratings, secure authentication, and real-time service status updates. The system is developed using modern web technologies with a responsive user interface and a robust backend database for secure data storage and management

The QuickFix platform improves accessibility, reduces service search time, enhances customer satisfaction, and promotes trust between customers and service providers through a transparent rating and review mechanism.

Keywords: Local Service Finder, Service Booking, Web Application, Service Provider Management, Customer Reviews, Location-Based Search, Booking Management, MySQL Database.

I. INTRODUCTION

In today's digital era, people expect quick and convenient access to various services through online platforms. However, finding reliable local service providers for tasks such as plumbing, electrical repairs, home cleaning, appliance maintenance, and other household services can be difficult and time-consuming. Customers often depend on personal references or local advertisements, which may not always provide accurate information about service quality and availability.

The QuickFix – Local Service Finder is a web-based application developed to bridge the gap between customers and

local service providers. The system offers a centralized platform where users can easily search for nearby professionals, view service details, compare ratings and reviews, and book services according to their requirements. Service providers can register their services, manage customer requests, update their availability, and build their reputation through customer feedback.

The application aims to simplify the process of discovering and hiring trusted service professionals while improving accessibility and convenience for users. By integrating features such as user authentication, service categorization, location-based search, online booking, service tracking, and review management, the platform enhances the overall user experience and reduces the time required to find suitable services.

The primary objective of the QuickFix system is to provide an efficient, reliable, and user-friendly solution for local service management.

II. EXISTING SYSTEM

In the existing system, people generally find local service providers through personal references, newspaper advertisements, social media posts, or local directories. Customers often need to contact multiple service providers individually to compare prices, availability, and service quality.

Most traditional methods lack a centralized platform where users can search, compare, and book services efficiently. Customers have limited access to verified information about service providers, making it difficult to assess their credibility and performance. In many cases, there is no proper mechanism for viewing customer reviews, ratings, or service history before hiring a professional.

Service providers also face challenges in reaching potential customers and managing service requests effectively. Communication between customers and service providers is often carried out manually through phone calls or messages, which can lead to delays, misunderstandings, and inefficient service management

III. PROPOSED SYSTEM

The proposed system, **QuickFix – Local Service Finder**, is a web-based application designed to provide a centralized platform that connects customers with local service providers efficiently and reliably. The system enables users to search for various services such as plumbing, electrical work, home cleaning, appliance repair, and other household services based on their location and requirements.

Customers can create an account, browse available service categories, view service provider profiles, check ratings and reviews, and book services through an easy-to-use interface.

Service providers can register on the platform, manage their profiles, update service details, set availability, and respond to customer requests. The system maintains a digital record of bookings, customer interactions, and service history, helping providers manage their business more effectively.

Service providers can register on the platform and create their professional profiles by providing service information, contact details, availability, and pricing. The admin verifies and manages service provider accounts to ensure the reliability and quality of services offered through the platform.

When a customer selects a service provider, a booking request is generated and stored in the database. The service provider receives the request and can accept or reject it based on availability. Once the booking is confirmed, both the customer and service provider receive notifications regarding the service schedule and status updates.

After the service is completed, customers can submit ratings and reviews based on their experience. These reviews help maintain transparency and assist future users in selecting reliable service providers. The system stores all user information, service details, booking records, and feedback securely in the database for future reference and management.

This methodology ensures efficient service discovery, secure data handling, improved communication, and effective management of local service bookings while reducing manual effort and enhancing user satisfaction.

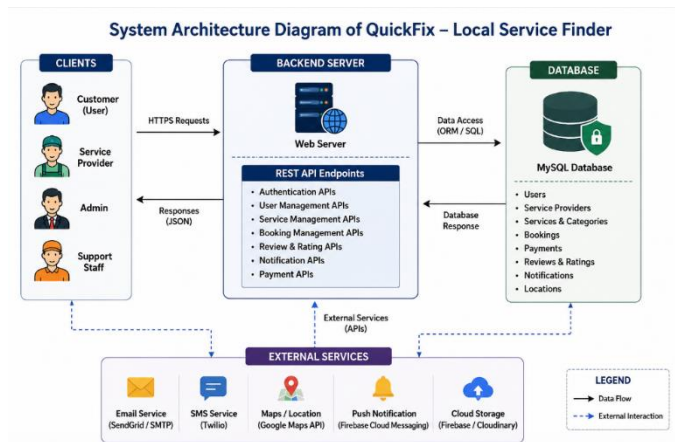


Figure 1: System Architecture Diagram of Quickfix – Local service finder

IV. METHODOLOGY

The QuickFix – Local Service Finder system follows a client-server architecture where users interact with the application through a web interface, and all requests are processed by the backend server.

The workflow begins when a customer registers and logs into the system. After authentication, the user can browse different service categories such as plumbing, electrical services, home cleaning, appliance repair, and other local services. Based on the selected category and location, the system displays a list of available service providers along with their profiles, ratings, reviews, and service details.

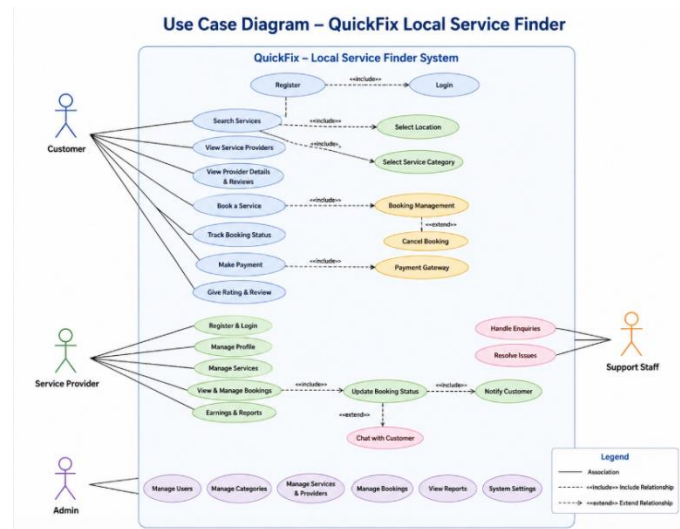


Figure 2: Use Case Diagram of Quickfix – Local service finder

V. RESULTS AND DISCUSSION

The QuickFix – Local Service Finder system was successfully developed and tested in a real-time environment. The application provides separate interfaces for Customers, Service Providers, Administrators, and Support Staff, ensuring efficient role-based access and smooth system operations.

The service search and booking modules enabled customers to quickly find nearby service providers based on service categories and location preferences. The booking management system simplified the process of requesting, confirming, and tracking services, reducing the time and effort required to connect with professionals.

Service providers were able to manage their profiles, update service details, monitor booking requests, and communicate effectively with customers through the platform. The rating and review module helped improve transparency and allowed users to make informed decisions based on previous customer experiences.

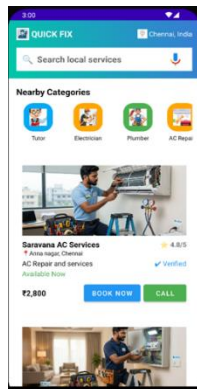


Figure 3: Admin Dashboard.

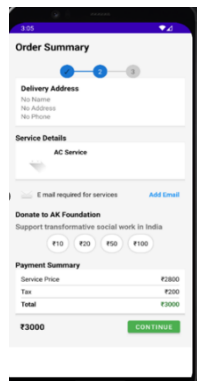


Figure 4: Payment Page.



Figure 5: Login / Register Module.

VI. CONCLUSION

The QuickFix – Local Service Finder system was successfully developed to simplify and modernize the process of connecting customers with local service providers. The application provides a centralized platform where users can easily search for services, compare service providers, make bookings, and track service requests efficiently.

The platform also provided service providers with better visibility and opportunities to reach potential customers through a digital marketplace. By maintaining accurate records of bookings, reviews, and user information, the system ensured transparency, reliability, and efficient service management.

Overall, the QuickFix – Local Service Finder proved to be an effective, user-friendly, and scalable solution for local service management. Future enhancements may include AI-based service recommendations, real-time chat support, online payment integration, GPS-based service tracking, mobile application deployment, and advanced analytics to further improve system performance and user satisfaction.

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