FixServe - Expert Solutions for Home Care

Athul Eldho
Roll No: 19
Reg.No: KTE23MCA-2019

Guided By: Dr. Vineetha S
Department of Computer Applications
Rajiv Gandhi Institute Of Technology, Kottayam

31 July 2024

Introduction

- FixServe is a web-based management system that helps users to book service providers within the locality for various tasks and services.
- Users register and log in to FixServe, enter their pincode and needed service, and then see a list of local service providers for the particular service.
- Service providers offer home services like plumbing, electrical work, etc. The admin verifies their credentials to ensure they are reliable and safe.
- Users register,request services,review service and book appointments.Providers create profiles and manage bookings.Admins verify credentials and approve services.

Scope of the Project

- It has an impactful scope by providing a streamlined platform for homeowners to easily find and book a wide range of home services.
- In this era, everyone relies on technology to find solutions. Likewise, FixServe makes it easy to book local services at our fingertips.
- Currently, existing projects don't meet all needs for local services in one place, so FixServe has great potential by addressing this gap.

Relevance of the Project

- FixServe is highly relevant today, helping new residents of an area, regardless of age, easily find and book home services, while ensuring they connect with trusted providers.
- It addresses the increasing need for convenient and reliable home service solutions in today's busy lifestyle.
- Ensures quality of service providers using admin authentication with NOC, leading to better and more trustworthy home services.

Requirement Analysis

- **Existing System**

  Currently, no proper web application exists for easy booking of all services by matching efficient service provider.

- **Proposed System**

  The proposed system offers a user-friendly interface, efficient service matching with booking and canceling for improved reliability and convenience.

- **S/W and H/W Requirements**

  The hardware requirement for the project includes laptop or PC with I3 processor or higher,6GB RAM,50GB ROM or higher.
  The software requirements are of having windows10 and above,Flask,Pycharm, Mysql.

Development Methodology

- FixServe is built around four main modules: User Operations, Service Allocation, Service Provider Operations, and User Reviews.
- User Service Operations : Users can register,log in, and book services by specifying their postal code and service type. After service completion, users can rate the service provider, updating their profiles.
- Service Provider Operations : The system assigns providers based on user location. Providers can review job details, visit the site, and update payment status through the platform.
- Database will be designed using MYSQL.
- Frontend of the web application will be developed using HTML,CSS,JavaScript and Bootstrap.
- Backend of the project will be developed using Python Flask

Project Plan

Task	Status	Remarks
Requirements Analysis	Completed	
Design and Planning	In Progress	Planning to complete by 02/08/2024
Database and Form Design	In Progress	Planning to complete by 04/08/2024
Initial Coding and Integration	Yet to Start	Planning to start by 05/08/2024
Project Code Completion	Yet to Start	Planning to complete by 03/09/2024
Final Testing and Completion	Pending	Planning to complete by 22/10/2024
Final Report Submission	Pending	Planning to complete by on or before 06/11/2024

Conclusion

- FixServe simplifies finding and booking home services, such as plumbing, cleaning, and electrical work,etc by ensuring quality through verified providers.
- It particularly helps aged people who are living alone in a locality and new residents to the locality.
- This project can be implemented by government bodies like gramapanchayats for effective service delivery and creating job opportunities for local workers.
- The platform bridges the gap between society and nearby service providers, facilitating seamless interaction and efficient solutions.

References

- Flask Official Tutorials for Web Development
- Flask-Python Tutorials
- Tutorial for Web App Development with Flask, MySQL, and Flask-MySQL

Thank you!