Project Synopsis

Helping Hand – A Location-Based Community Service Provider Platform

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Technology Stack:

HTML, CSS, JavaScript, MySQL, Google Maps API, spring, spring Boot

1. Introduction

The Location-Based Community Service Provider Platform is a web application designed to connect community members with verified and trusted local service providers—such as electricians, plumbers, tutors, cleaners, and more. By leveraging location data and user rating feedback, the platform empowers users to find nearby providers endorsed by their neighbours, thereby fostering a trusted and accountable local service ecosystem.

2. Objective

The primary goal is to create a user-friendly platform where users can register, log in, and search for nearby service providers based on location and ratings. It aims to reduce the dependency on unverified directories and advertisements by offering a system driven by actual user feedback and community trust.

3. System Overview

The application will include two main user roles:

Service Seeker (User):

Can register, search for providers based on location, view provider profiles, and leave ratings based on service experience.

Service Provider:

Can create and manage profiles with their work history, photos, and service details and can build credibility over time.

The system will also support features such as profile management, photo uploads.

4. Key Features

- User registration, login, and profile management
- Location-based provider search
- Ability for users to rate the providers they've personally used
- Display provider photo and details to ensure credibility
- sorting options for provider, ratings, and proximity
- Feedback system for both providers and recommending users

5. Tools & Technologies

- Frontend: HTML, CSS, JavaScript
- Backend: spring, spring boot
- Database: MySQL
- APIs & Services: Google Maps API, Geolocation Services
- Tools: Git, VS Code

6. Expected Outcomes

- A responsive and user-friendly web app that connects users with trustworthy service providers.
- Verified profiles and community-driven ratings to ensure authenticity.
- Enhanced user experience through location-based filtering.

7. Future Scope

In future iterations, the platform can integrate AI-powered suggestions based on user behaviour and preferences. Blockchain technology can be leveraged for tamper-proof service records and trust badges. Additionally, group booking features and referral systems can further enhance the strength of local community networks.

8. Conclusion

This project presents a practical solution to the common challenge of finding reliable service professionals within one's locality. By incorporating community rating feedback, location intelligence, and modern web technologies, the platform offers a secure, scalable, and user-trusted environment for service exchange.