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SmartCity: A Mobile Application for Promoting Local Businesses in Hadapsar

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ABSTRACT :

SmartCity is an Android application designed to support and promote local businesses in the Hadapsar region. The app initially offers four essential services: catering, car repairing, pesticide control, and plumbing. It provides users with business addresses, mobile numbers, and location details. Additionally, SmartCity allows service providers to register and showcase their services. The primary objective of this application is to strengthen the local economy by enhancing the visibility and accessibility of businesses. This paper discusses the development, implementation, and potential impact of SmartCity.

Index Terms: Android application, local businesses, SmartCity, service marketplace, business promotion

Introduction :

In recent years, mobile applications have played a vital role in enhancing accessibility to various services. Many small-scale businesses struggle with visibility and customer reach. SmartCity is an initiative aimed at solving this issue by providing a platform for local service providers in Hadapsar to connect with potential customers. The app offers information such as contact details and locations, making it easier for users to find relevant services.

System Overview :

SmartCity is designed to list and promote four essential services: catering, car repairing, pesticide control, and plumbing. Users can browse through available services, contact service providers, and navigate to business locations. The application includes features for business registration, allowing service providers to manage their profiles and update information.

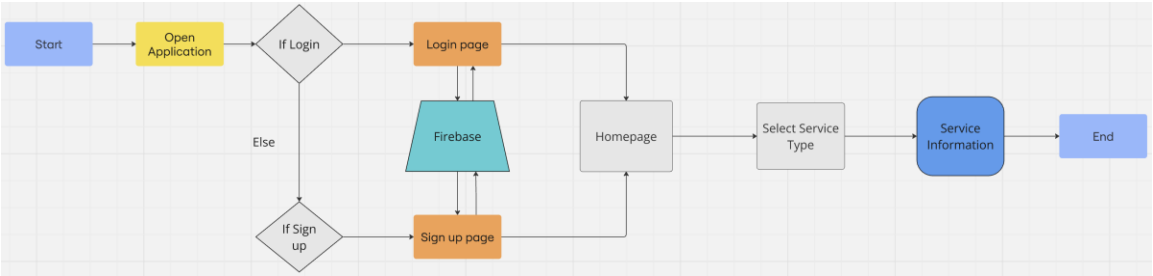
Methodology :

The application consists of two primary user roles: service seekers and service providers. Service seekers can search for local businesses based on category and location. Service providers can register and provide details such as business name, address, mobile number, and service category. The application leverages location-based services to display relevant businesses in the user's vicinity.

Implementation :

The SmartCity application is built using the Android framework with Firebase as the backend database. Google Maps API is integrated to provide location-based services. The frontend is designed with XML and Java, ensuring a user-friendly interface.

Flow Diagram :



Results and Discussion :

SmartCity is expected to improve the accessibility of local services, increase customer engagement, and help small businesses expand their reach. Future enhancements include adding more service categories, introducing user reviews, and implementing a booking system.

Conclusion and Future Scope :

SmartCity aims to bridge the gap between local service providers and customers by leveraging mobile technology. Future work will involve expanding services beyond Hadapsar and integrating advanced features such as real-time service tracking and digital payments.

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