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"StreetVeggies: A Digital Avenue for Street Hawkers through Android Innovation"

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Abstract: The "Street Veggie" project is all about making things better for people who sell food on the street. We're doing this by creating a special android application just for them. Selling food on the street is important in cities because it provides affordable and easy-to-get food for lots of people. But, there are challenges like not being seen enough, worries about cleanliness, and some problems in how they run their businesses. "Street Veggie" is here to help fix these issues by using technology. Our application is like a helpful tool for street hawkers. It lets them show all the different kinds of food they sell and reach more customers using their phones. This way, people can easily find and connect with street hawkers. The app also has easy tools to help hawkers manage their food, keep track of sales, and set the right prices. These tools make it simpler for them to run their businesses well and earn more money. "Street Veggie" isn't just good for individual hawkers; it also makes street food in cities more exciting and lively. This paper talks about how our project works and shows how using technology can make life better for street hawkers, helping them earn money while making the street food scene in cities even more enjoyable. "Street Veggie" is an exciting project that wants to make a positive change in how street food is sold, making it more modern and better for everyone involved.

Keywords: street hawkers, street veggies, application, customers, business**.**

I. INTRODUCTION

"Street Veggie" is more than just a regular app; it's a powerful tool showcasing how technology can lift up street hawkers and make the street food experience even better. This project introduces a modern mobile app designed specifically for street hawkers, aiming to speed up their business growth, increase visibility, simplify their work, and make sure their delicious food keeps brightening up our city streets.

In the world of street vending, "Street Veggie" is a symbol of creativity and empowerment. In a time filled with smartphones and apps, we see a chance to connect the charm of traditional street food with the ease of modern technology. Our project brings in a mobile app made just for street hawkers, named "Street Veggie," with the big goal of changing how street food works.

As we dig into the details of "Street Veggie," think of this introduction as the door to the heart of our project. It captures what we're all about: helping street hawkers, making customers happy, and supporting sustainability in the lively world of street food. We invite you to join us on this journey to see how "Street Veggie" will give a fresh start to the timeless tradition of street vending, using technology to make a real difference.

II. LITERATURE REVIEW

The existing literature actively provides insights into the emergence of application vendors in developing countries., particularly focusing on the reasons behind their entry into mobile application markets as opposed to more traditional software markets [1]. The significance of the Android platform is recognized by this research, and its architecture, along with the classes and methods involved in development, is outlined. [2].

The design and development of an Android program for audio/video file procurement are illustrated through a practical example, encompassing application classes, design processes, development stages, and analysis. [2]. In the context of street vending applications, the literature review sheds light on a proposed methodology for managing products,

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adding/removing items, and the registration processes for both hawkers and users within the application [3]. This indicates a comprehensive approach to enhancing the functionality and user experience of the proposed application. Overall, the existing literature provides a foundation for understanding the landscape of application vendors in developing countries, the significance of the Android platform, and practical insights into the design and development of mobile applications. Additionally, it highlights key considerations for managing products and user registration in the context of street vending applications. However, further exploration and analysis are required to comprehensively understand the implications and effectiveness of these proposed strategies in the real-world context.

III. PROPOSE WORK

This research aims to build upon the existing literature by developing a comprehensive mobile application tailored to street hawkers in developing countries. The application, tentatively named " StreetVeggies" seeks to address the identified challenges faced by street hawkers while leveraging the Android platform.

Objectives:

1. Application Development:

- Develop the " StreetVeggies " mobile application designed for street hawkers in developing countries.
- Utilize the Android platform, considering the architecture, classes, and methods for effective application development.

2. User-Friendly Interface:

- An intuitive and user-friendly interface will be designed to facilitate easy product management, addition/removal, and user registration processes.
- Accessibility for both hawkers and users will be ensured to encourage widespread adoption.

3. Functionality:

- Implement features that enable hawkers to easily add or remove products based on their inventory.
- Incorporate a streamlined and efficient user registration process for both hawkers and customers.

4. Geolocation Integration:

- Leverage geolocation technology to enable users to discover street hawkers in their vicinity through the application.
- Facilitate hawkers in updating their current location for improved visibility.

5. Communication Platform:

- Establish a secure and efficient communication platform within the application for direct interaction between hawkers and customers.

Expected Outcomes:

1. Functional Mobile Application:

- Deliver a fully functional " StreetVeggies " application addressing the specific needs of street hawkers.

2. Improved Visibility:

- Enhance the visibility of street hawkers by integrating geolocation features, aiding customers in discovering local vendors easily.

3. Streamlined Operations:

- Provide hawkers with tools for efficient inventory management, leading to streamlined business operations.

4. Positive User Experience:

- Ensure a positive and convenient user experience for both hawkers and customers, promoting increased adoption and sustained usage.

5. Empowerment of Street Hawkers:

- Contribute to the empowerment of street hawkers by providing them with a digital platform to thrive in the evolving marketplace.

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This proposed work seeks to bridge the gap between traditional street vending and modern technology, offering a practical solution to the challenges faced by street hawkers in developing countries. Through the development and implementation of the "StreetVeggies" application, this research aims to contribute to the enhancement of the street food experience while fostering economic opportunities for street hawkers.

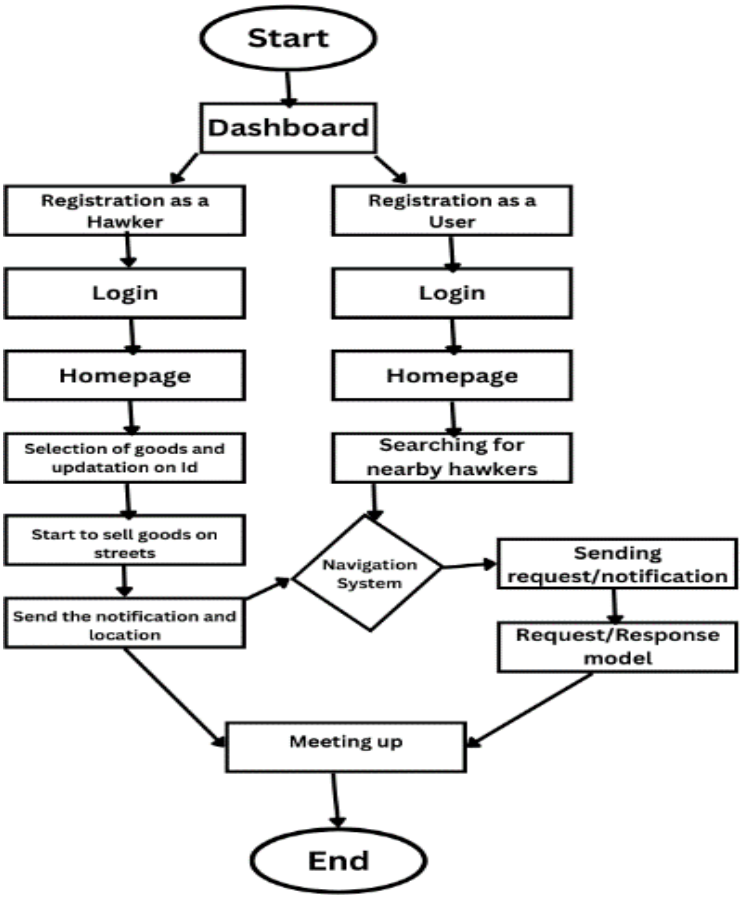
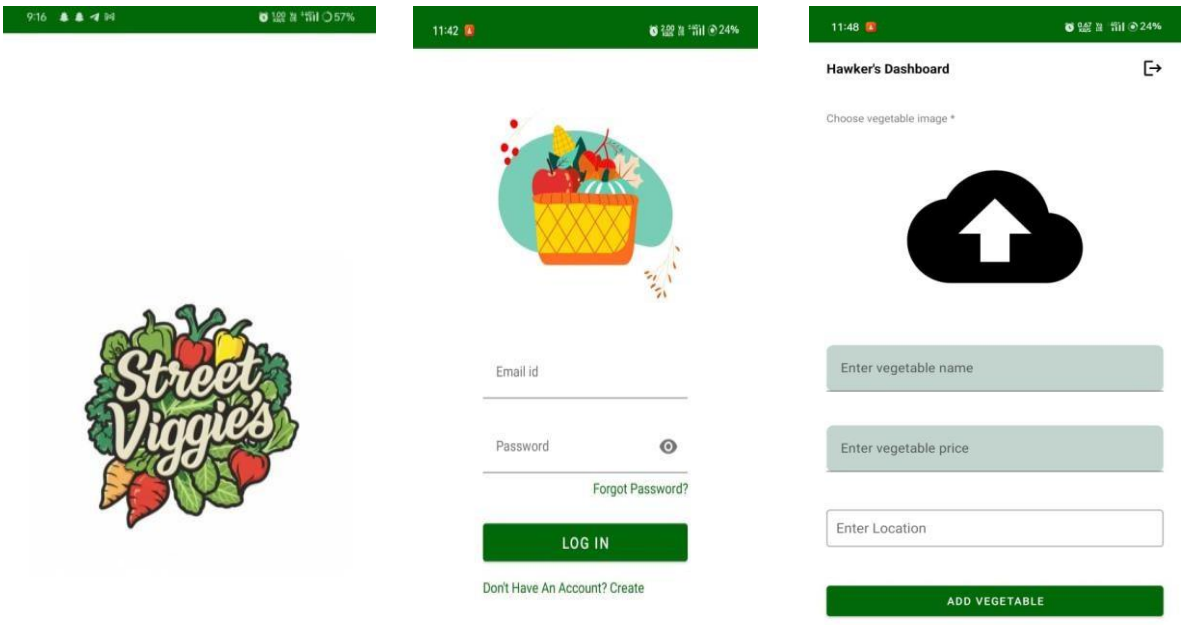


Fig. System Flowchart

Login/Registration Panel



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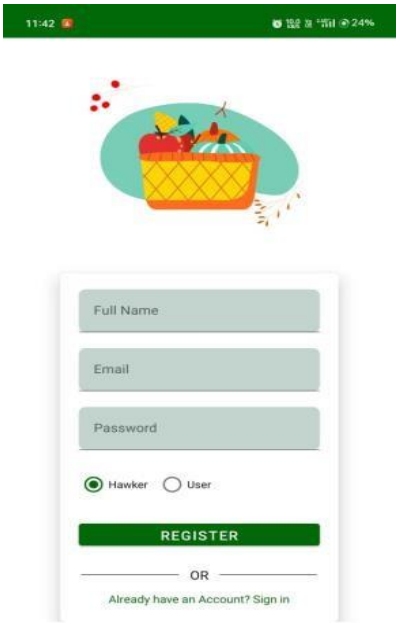

IV. CONCLUSION

Enhanced Market Reach: The mobile application has empowered hawkers to expand their market reach beyond traditional physical locations. By connecting with a larger customer base, the hawkers have experienced increased sales and revenue. Improved Customer Engagement: Through features like real-time notifications, personalized offers, and direct communication channels, the application has enabled hawkers to engage with their customers more effectively. This has resulted in better customer relationships and increased loyalty. User-Friendly Interface: The user-friendly interface of the application has made it accessible to hawkers with varying levels of technological expertise. Its intuitive design has allowed hawkers to quickly adapt to the application and utilize its features effectively.

Increased Business Viability: By embracing the digital platform, hawkers have gained a competitive edge in the market. The application has enabled them to present their products and services in a more professional manner, strengthening their brand identity and market presence.

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