Food Flag Project Abstract

The "Food Flag" project is a mobile application developed to address the critical issues of food wastage and hunger. Built using the Flutter framework, the app aims to connect food donors with those in need, ensuring that surplus food is distributed effectively and efficiently.

The app allows various entities, including individuals, religious institutions, and event hosts, to donate excess food by raising "food flags" on an interactive map interface. Upon raising a flag, nearby users within a specified radius receive notifications about the available food donations and can claim them after a verification process.

The core technologies utilized in this project include Google Maps API for accurate location tracking, Firebase for secure user authentication, and Firestore for efficient data management. The app is designed to facilitate easy and quick food donations, helping to reduce food wastage and contribute to the mission of Zero Hunger.

Future expansions of the app could include partnerships with hotels and restaurants, offering surplus food at discounted rates, and integrating emergency response features to aid in crisis situations such as natural disasters.

This project aligns with the United Nations' Sustainable Development Goal 2: Zero Hunger, by improving food distribution systems and making it easier for donors to contribute to society.

References

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