

KITCHENSYNC

Designed By: Zyead Ahmad, Saif Mohanad, Ahmad Imad, Maha Khalifa Supervisor: Prof. Manar Abu Talib

College of Computing and Informatics, Department of Computer Science



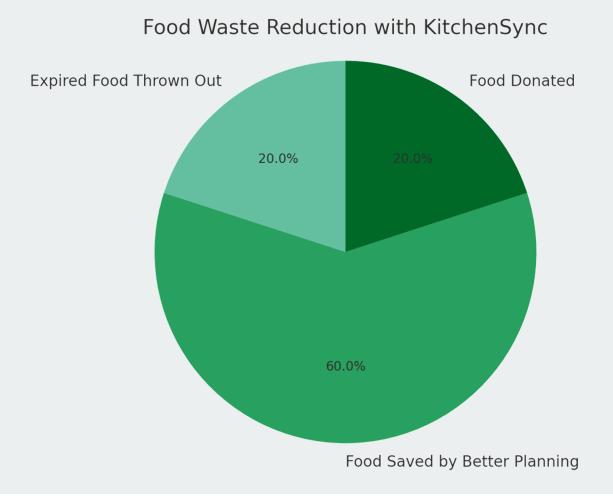
ABSTRACT:

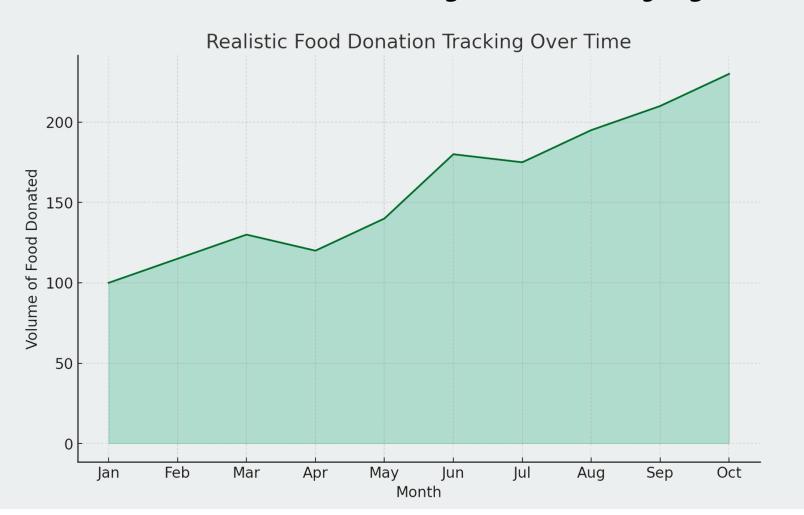
KitchenSync is an app that enhances kitchen and food waste management by organizing your kitchen and updating your inventory in real-time. Suitable for all kitchens, it integrates with kitchen devices to minimize food waste and manage resources easily.



COBJECTIVES & OUR GOAL:

- The KitchenSync app aims to streamline kitchen management with features like inventory organization, device synchronization, notifications, recipe suggestions, donation coordination, and customizable profiles, benefiting home cooks, busy professionals, and environmentally-conscious individuals.
- The app aims to offer a user-friendly interface and robust functionality to help users reduce food waste, save time in meal planning and preparation, promote sustainability through donations and food management, and improve overall kitchen efficiency and enjoyment.





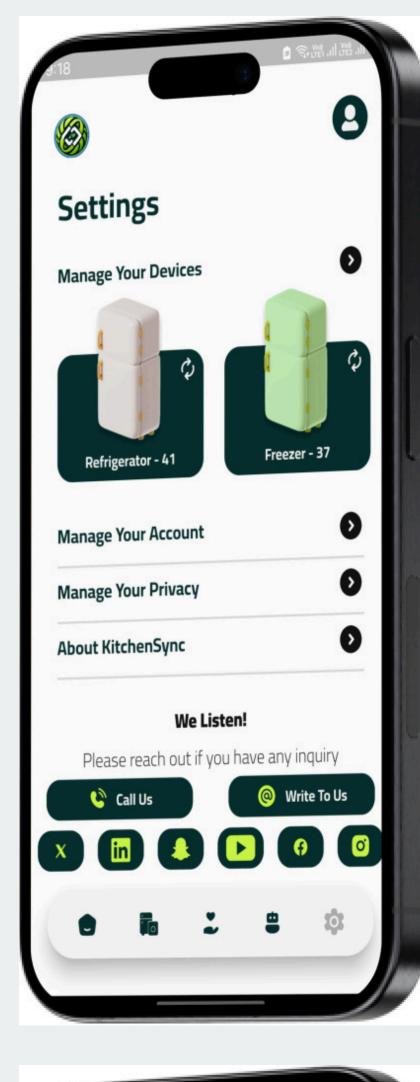
GRAPHICAL USER INTERFACE (GUIs):

- 1. **Setup**: Users are greeted with a userfriendly welcome screen. The setup process is straightforward, guiding users to link their kitchen devices and input initial inventory data.
- 2. Inventory Management: The inventory management feature lets users easily track their kitchen supplies, providing real-time updates and notifications for low-stock or expired items.
- 3. Food Bank Donation: Users can easily identify and donate items nearing expiration to local food banks. The user interface is designed to facilitate quick and hassle-free donations, encouraging community support.
- 4. Settings Configuration: Users can customize their experience through the settings menu, adjusting preferences for notifications, synchronization intervals, and data privacy.

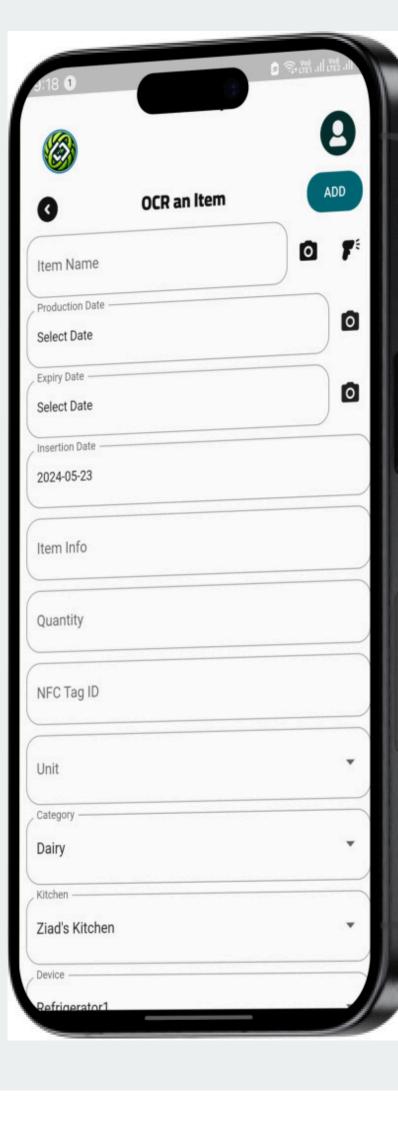


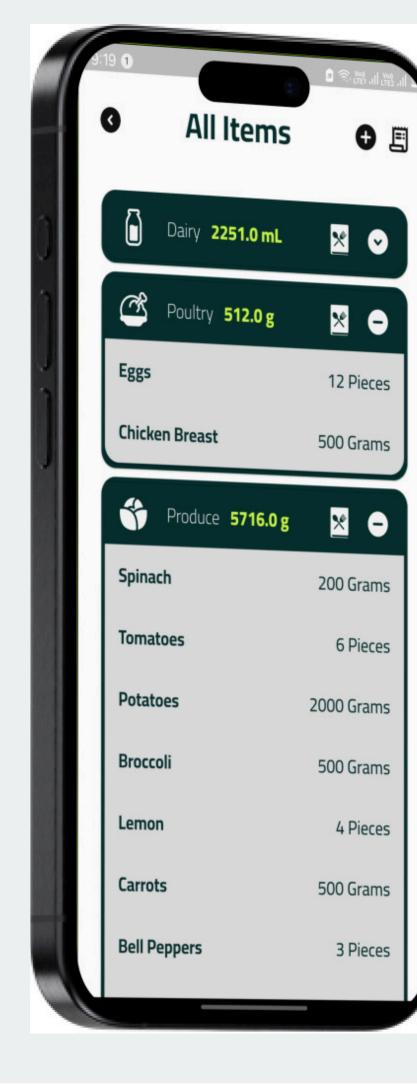


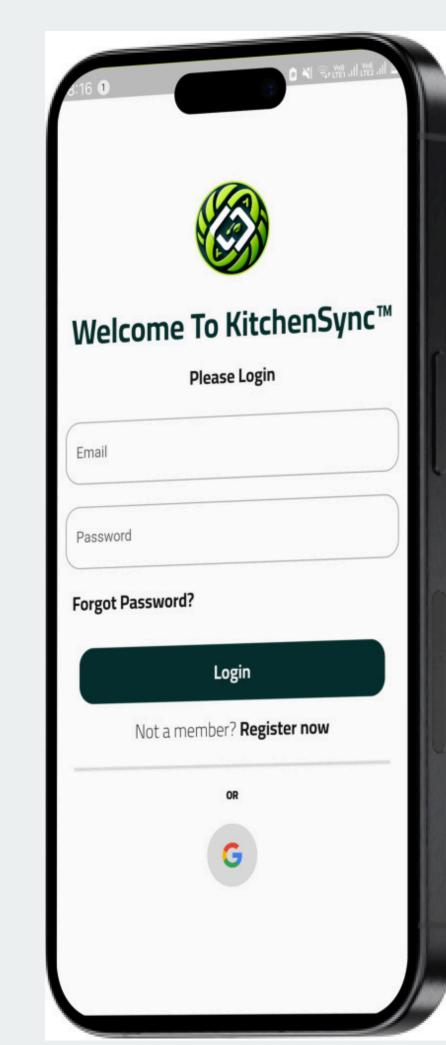






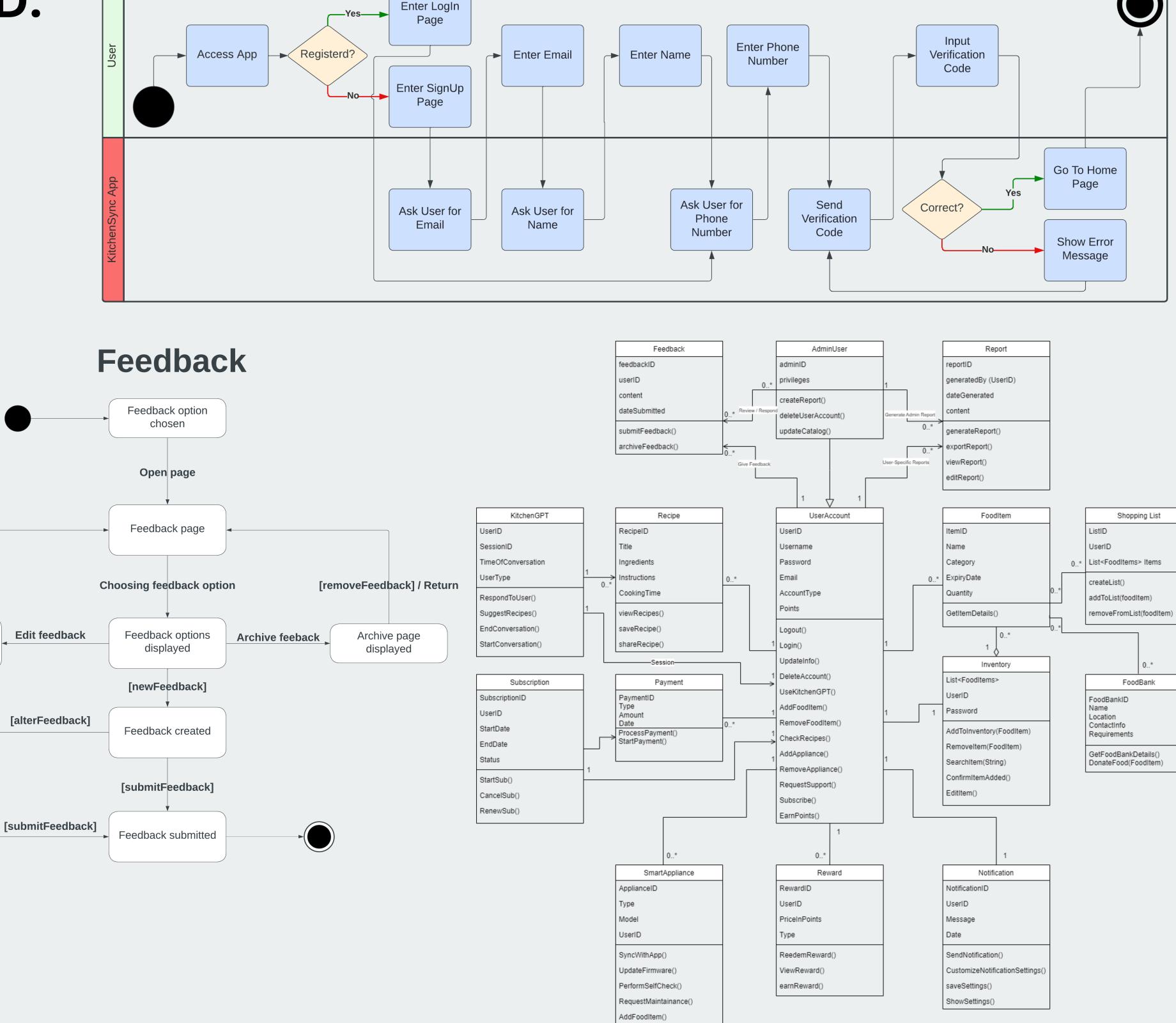






METHADOLOGY & TOOLS USED:

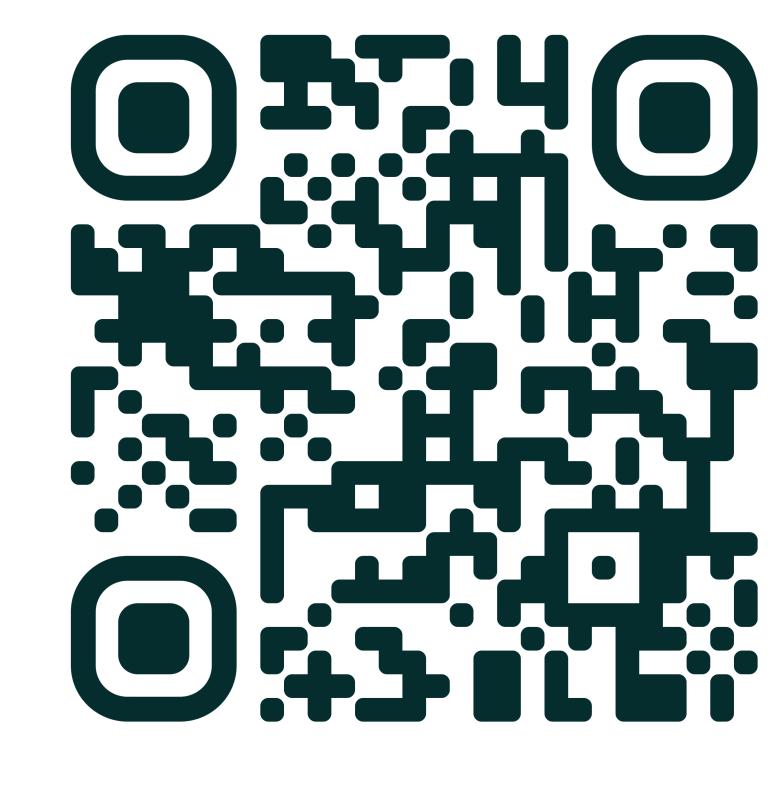
- At KitchenSync, we aim to provide a seamless kitchen management experience by understanding user needs and focusing on convenience, efficiency, and sustainability. We innovate continuously, using advanced technologies for real-time inventory tracking and device synchronization, ensuring reliability through rigorous testing.
- [deleteDraft] / Cancel Our development process includes Draft edited comprehensive requirement analysis and the use of UML diagrams to visualize the app's architecture. We used prototyping tools for UI design and frameworks like Flutter and Dart for rapid development. we used also Version control with Git and regular code reviews which helped us to detects the errors and fix it, resulting in a robust and user-friendly app.



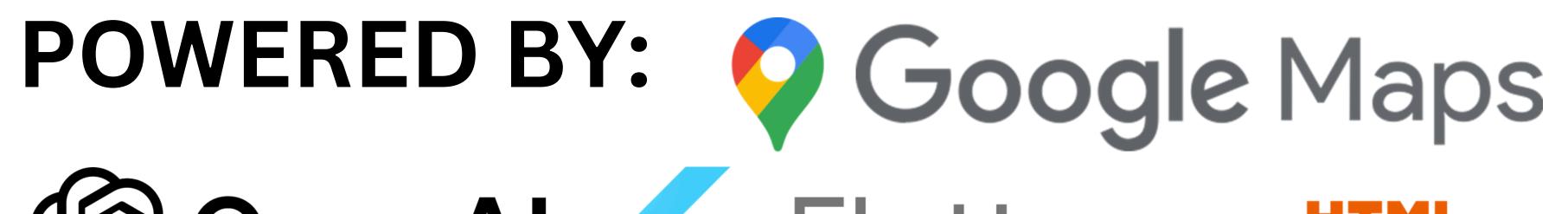


CONCLUSION:

KitchenSync revolutionizes kitchen management by meeting the needs of home cooks, professionals, and eco-conscious users. Its user-friendly design streamlines meal planning and inventory tracking, promoting sustainability and efficiency. By encouraging mindful consumption and reducing food waste, KitchenSync fosters responsible kitchen practices, helping us conserve resources and build a sustainable future.









RemoveFoodItem()













