



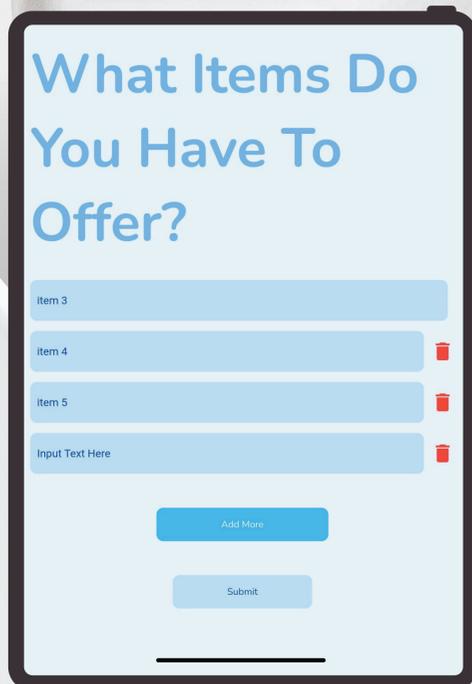
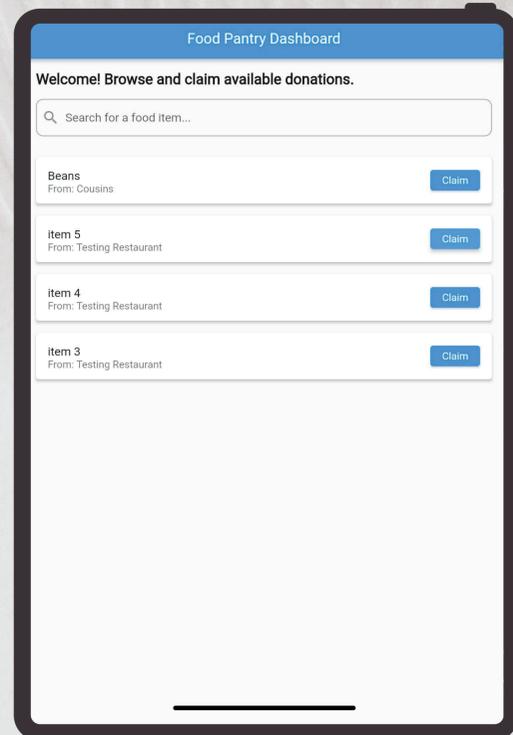
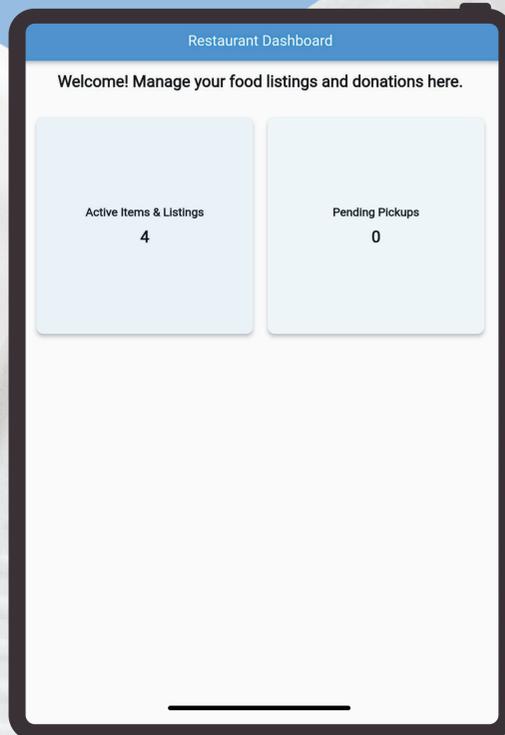
RePlate

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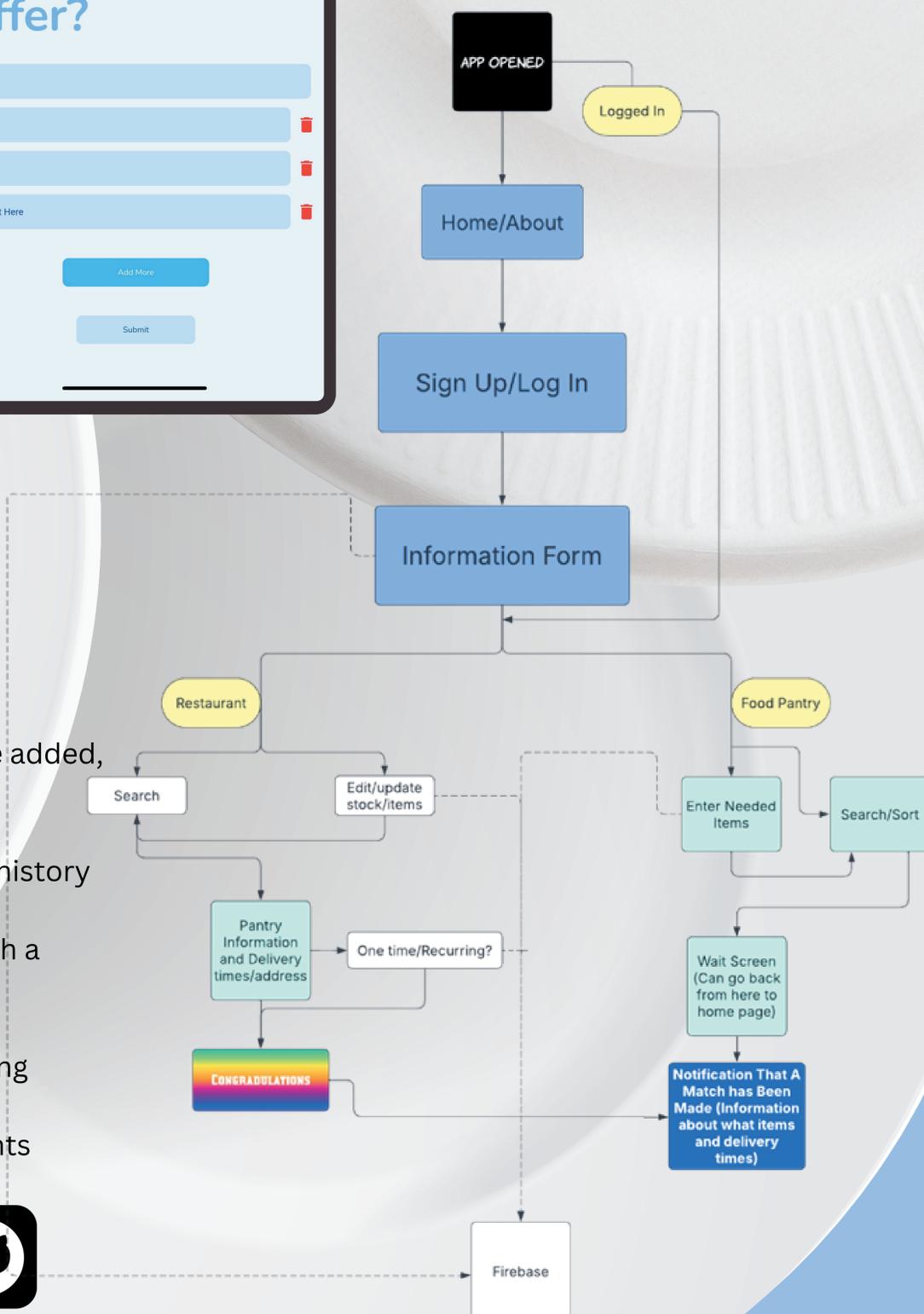


Motivation

- In 2025, the USDA reported that 13.5% of households experienced food insecurity at some point during the year (United States Department of Agriculture, 2025)
- In 2023, the US generated approximately 73.9 million tons of surplus food, with nearly 40% of all food produced going uneaten (ReFED, 2023).
- Research and studies have indicated that inefficiencies in food redistribution are a major contributor to food waste, as businesses often lack simple tools or connections to local nonprofits.
- This project addresses the clear need for a localized and real-time digital solution to close this gap.



App Wireframe



App Description

- 1. Donation Listings:** Restaurants and grocery stores can list surplus food available for donation, specifying the name and quantity.
- 2. Claim and Pickup Scheduling:** Food pantries and banks can browse through available donations and schedule pickups through the app.
- 3. Searching System:** Food banks/pantries can search for what they require based on location and items offered.

Target Audience

Two main user groups: **food donors** (such as grocery stores and restaurants) and **food recipients** (such as food banks and pantries)

Future Extensions

- Improved sorting: Sorting donations by location, date added, quantity, or pick-up time
- Automated matching with notifications system:
 - Automatic match suggestions based on donation history and pantry needs
 - Notifications for newly listed donations that match a pantry's preferences
- Inventory tracking and reporting:
 - Allow food banks to log donations into their existing inventory systems automatically
 - Generate monthly reports for donors and recipients

