

# Pantry Access



## A Universal Food Pantry Application

Charles Tang, Jennifer Shaughnessy, Sumanth Sura



### Coordinating Food Requests Is *Difficult*

Food Pantry clients often have a hard time coordinating their specific dietary needs with their pantries, let alone finding the right pantry.

## Key Features

**Track inventory**, quantities, and food donations needed in real-time.

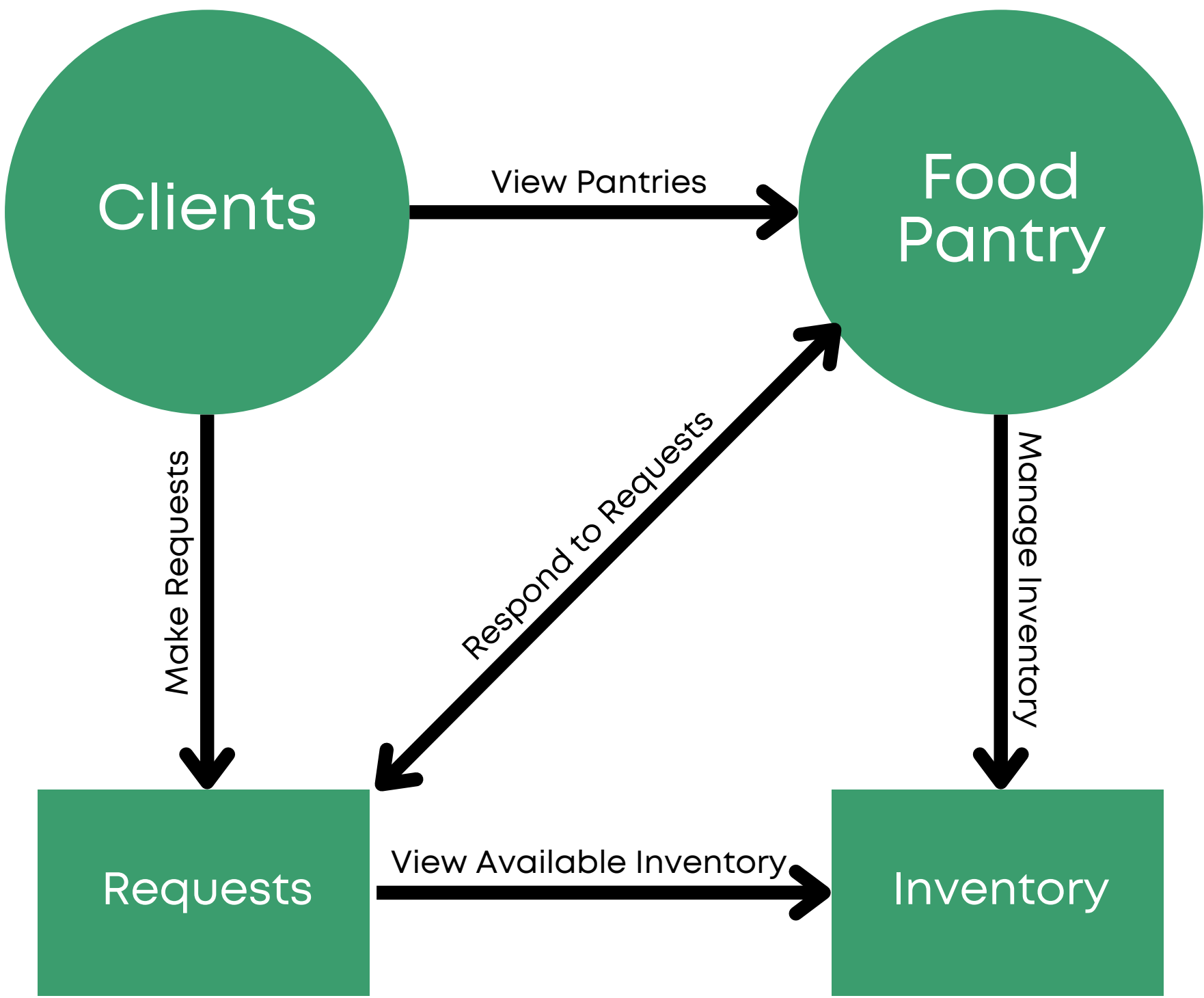
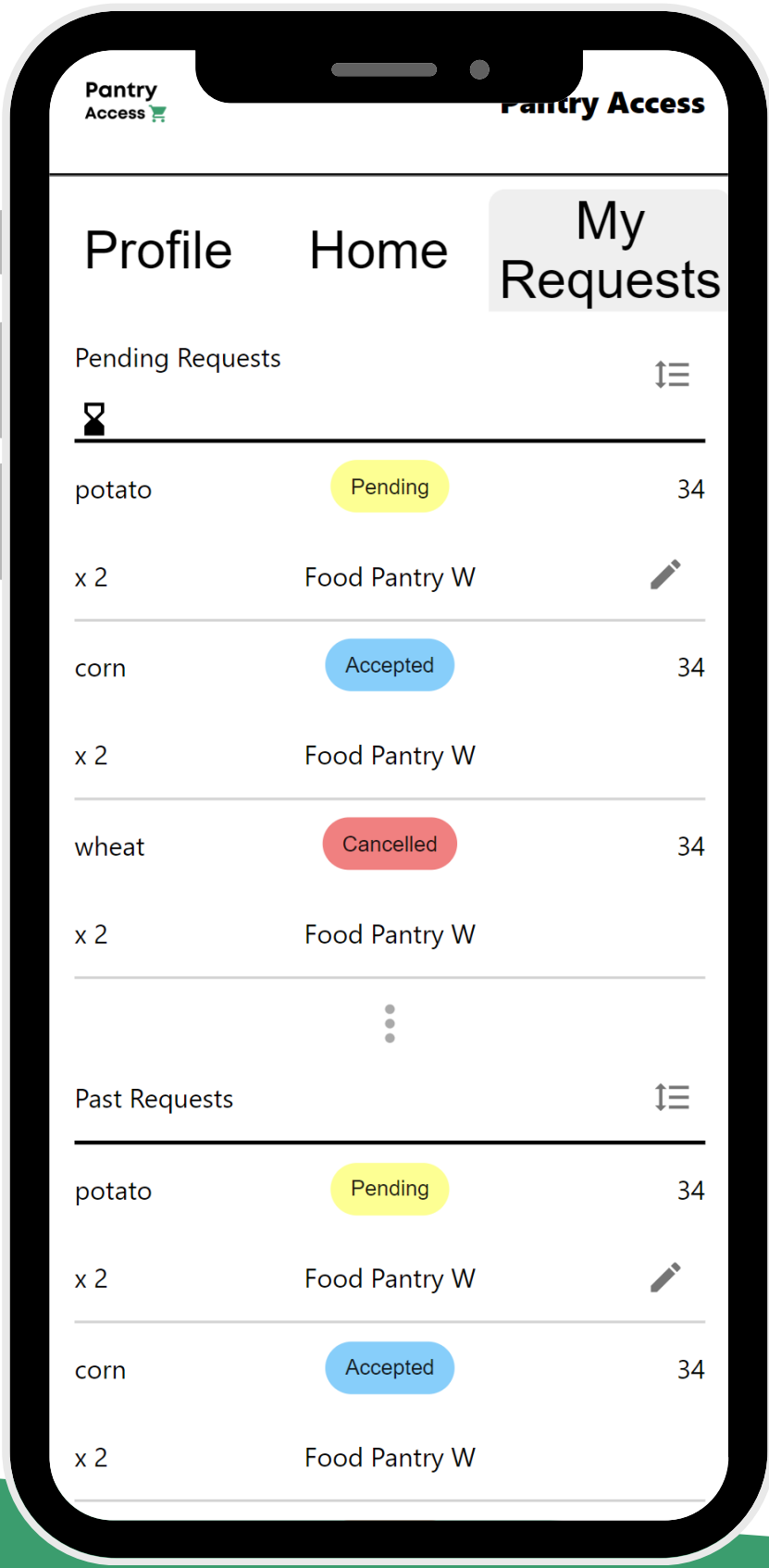
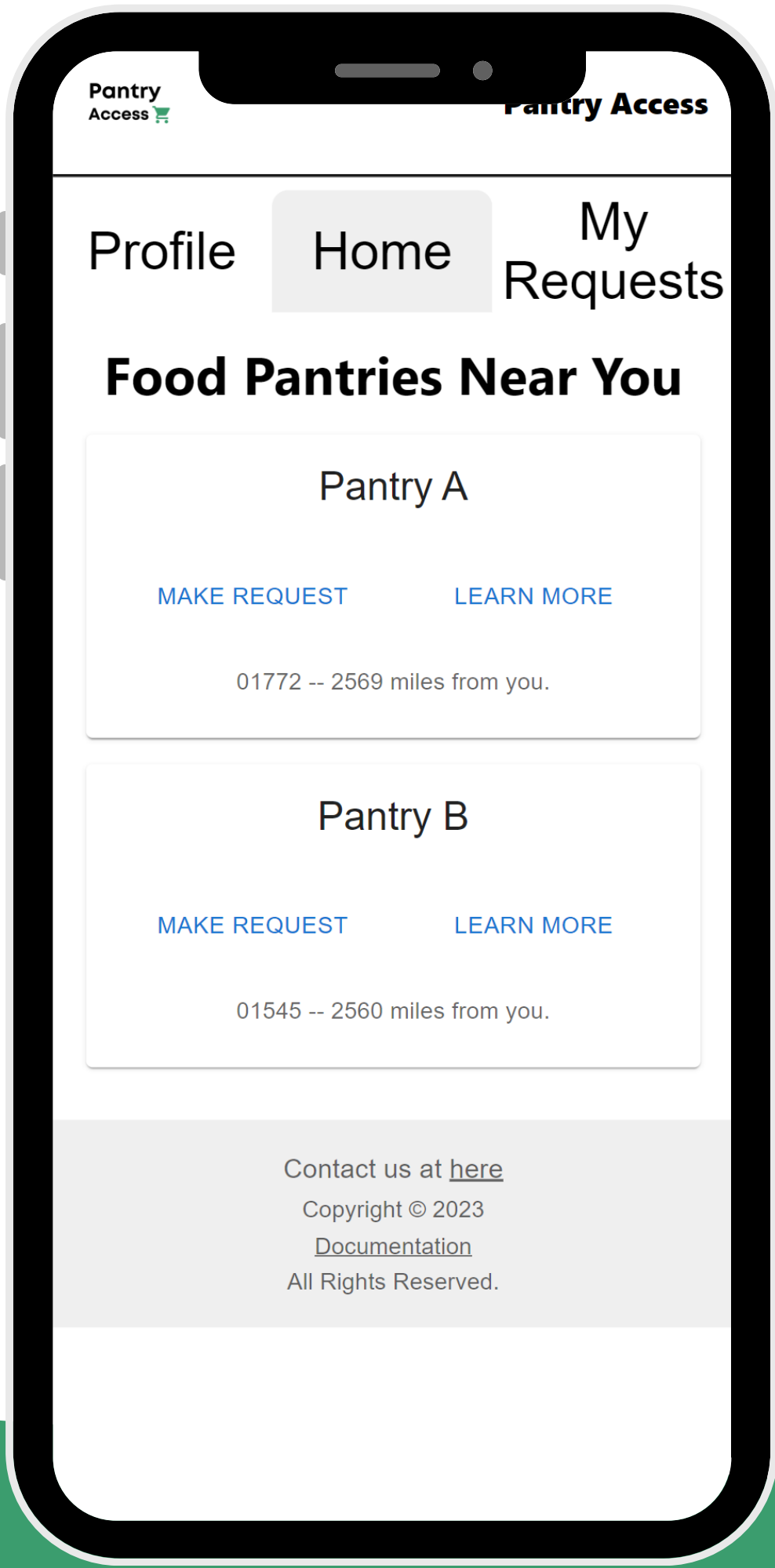
Food Pantry **clients** may view **nearby pantries** and **send specific food requests**.

Unique **client and food pantry accounts** to meet individual needs.



### Managing Food Inventory Is *Costly*

While food inventory can be managed by software such as *KitchenPal*, *Link2Feed* and *SmartChoice*, their services are difficult to setup and costly to maintain.



- **Cross-platform client-side and pantry-side pages in a single web application**
  - *Tested with local pantries and clients*
- **Cloud functionalities provided by Firebase and Firestore servers**
  - Unique client and pantry accounts upon registration
- **Food Pantries can manage their requests with approvals, denials, and cancellations**
  - *Set up pick-up times with clients*

- **Food Pantries can manage their inventory in real-time through multiple devices**
  - Inventory can be sorted, edited, and deleted.
- **Clients may view nearby food pantries without registration**
  - *In-app chat feature improves communication between pantries and clients*
- **Allows donors to view food-needed at pantries**