

# NOURISH NETWORK



## PROBLEM STATEMENT

Food banks across the world struggle to handle and distribute their inventory, which causes food waste, and limited access to food even with food donations.

## OBJECTIVE

### Primary Objective:

Create an app that gives food banks and users the ability to track, manage and access their inventory more effectively to reduce perishable waste and make distribution easier.

### Secondary Objectives:

Establish a secure and efficient login and provide account access for food bank staff to manage and replenish their inventory.

Allow communication between food bank staff to share and restock items as needed.

Lay out a system that is reliable, secure and gives food banks the ability to log in and easily manage and make changes to their inventory.

## USER REQUIREMENTS

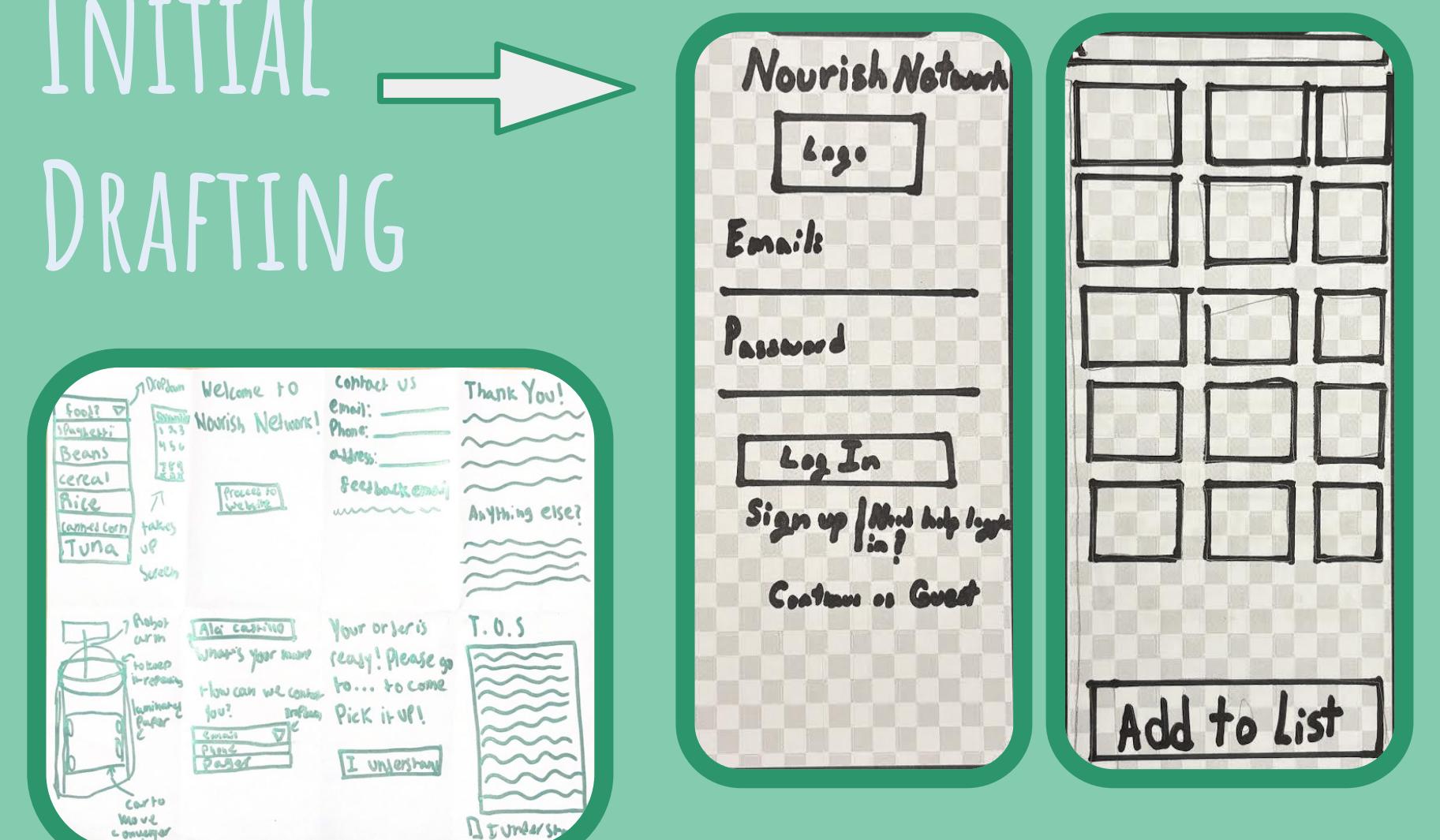
- A user-friendly app that allows food banks and users to track/access inventory effectively with reliable features and a well-run system.
- Food banks have the ability to log without issues and update inventory with saved data. This includes: login system, inventory tracking, and data being stored.
- The app will allow food banks to communicate and share inventory updates allowing for easier restocking, item sharing, and messages and notifications between the main Outpost and its smaller versions.

## CITATIONS

- All food images were sourced from their respective sites. All image usage is non promotional and is strictly for inventory purposes.
- Nourish Network logos were commissioned from Seoyon Kim
- User feedback provided by Rhody Outpost staff during interviews

## PROTOTYPE GRAPHICS

### INITIAL DRAFTING



## PROTOTYPE DETAILS

### LOGIN SYSTEM:

A system allowing for easier login network for both users and food banks with different roles and permission available

**SEARCH BAR:** Users are able to search for specific food items that are available, to help make the process quicker and more effective.

**DISTRIBUTION AID:** Gives food banks the ability to distribute and organize food, and decrease food waste, leading to improving food access for all in need.

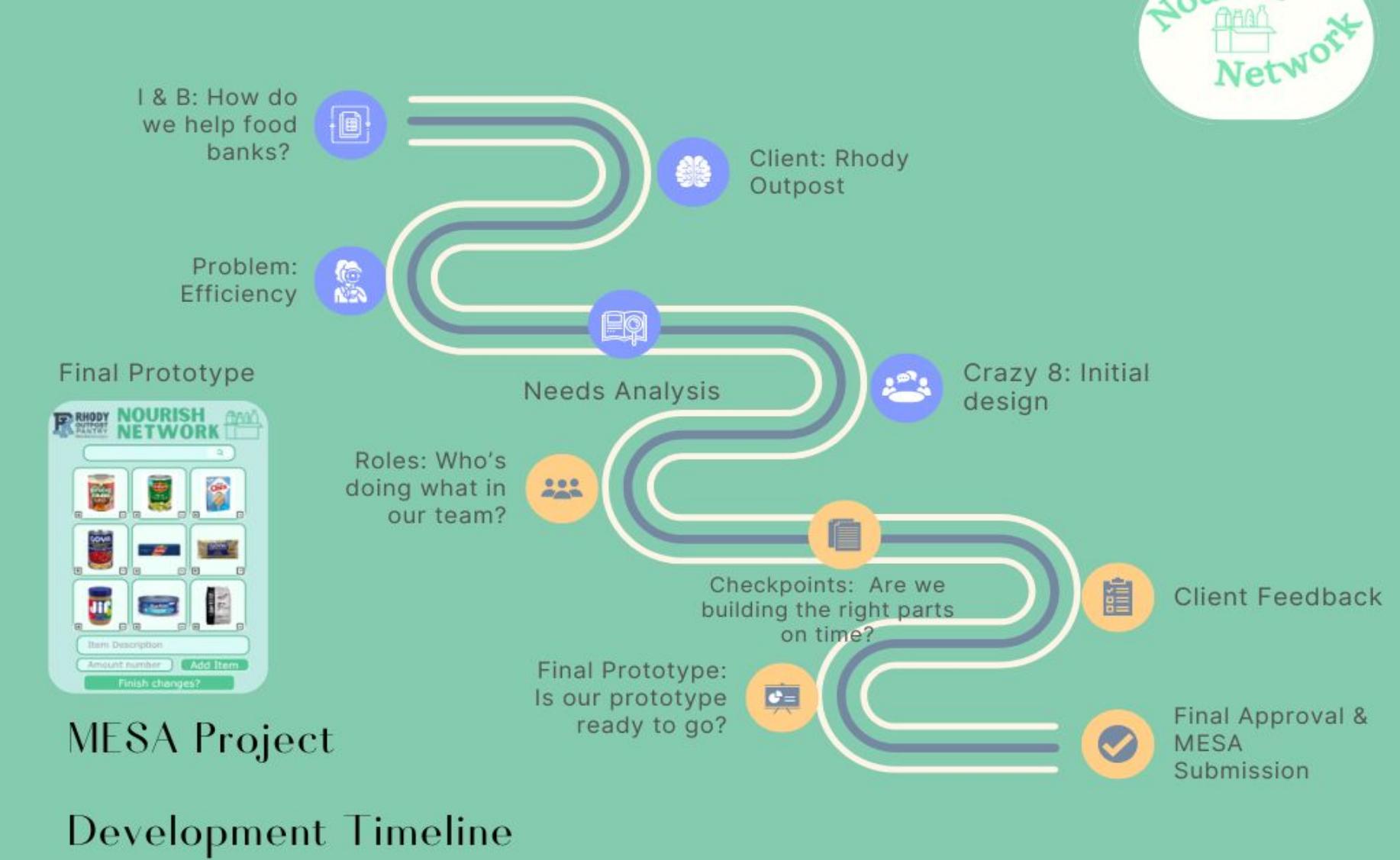
### INVENTORY MANAGEMENT:

Food banks have the ability to monitor and manage their inventory allowing staff to organize food items and their names allowing them to track their inventory

**INTERFACE:** Our app includes easy to navigate screens with clear and well developed buttons to make the app functional for all users.

**UN GOAL:** Works to achieve the UN goal 2 target 2.1 to achieve Zero Hunger by the helping improve way food banks distribute and manage their inventory.

## DESIGN PROCESS



## PROTOTYPE VERSIONS

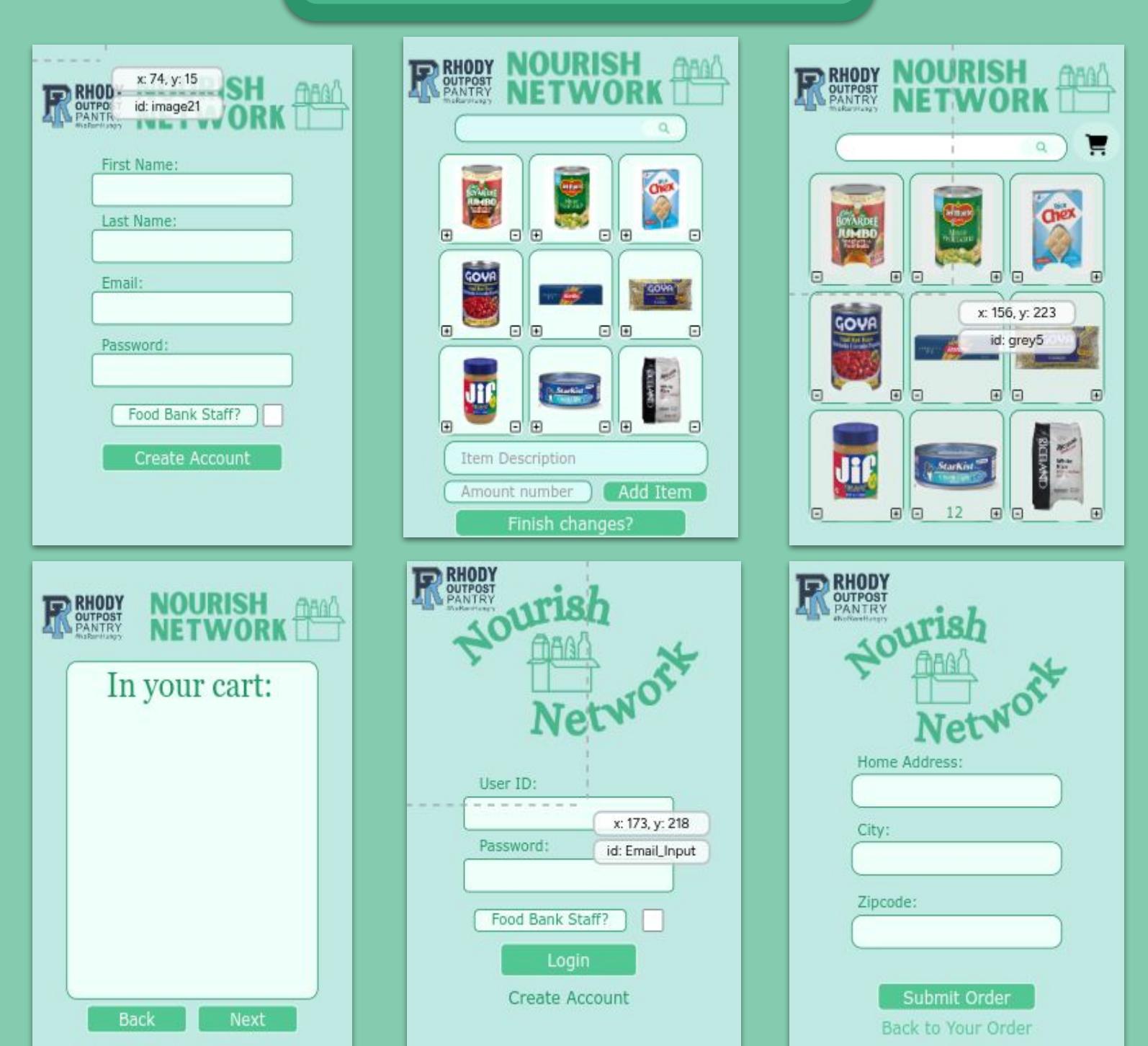
### APP VERSION 1



### WHAT CHANGED BETWEEN VERSIONS

- Added a feature that allows staff members to add inventory
- The ability to sign in with student id instead of an email address
- Added a page to view what was in the user's cart

### APP VERSION 2



## HARDWARE PROTOTYPE



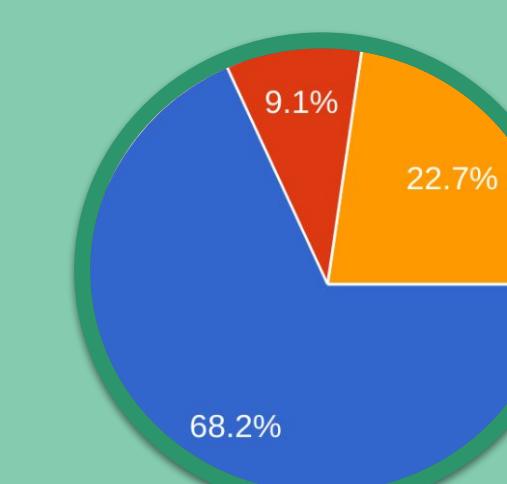
## TESTING PROCESS

- Our team worked on making sure all buttons, pages, and features worked with no errors.
- We also collected feedback from our client and users to finalize the improvement to Nourish Network, verified inventory updates were saved and display correctly.

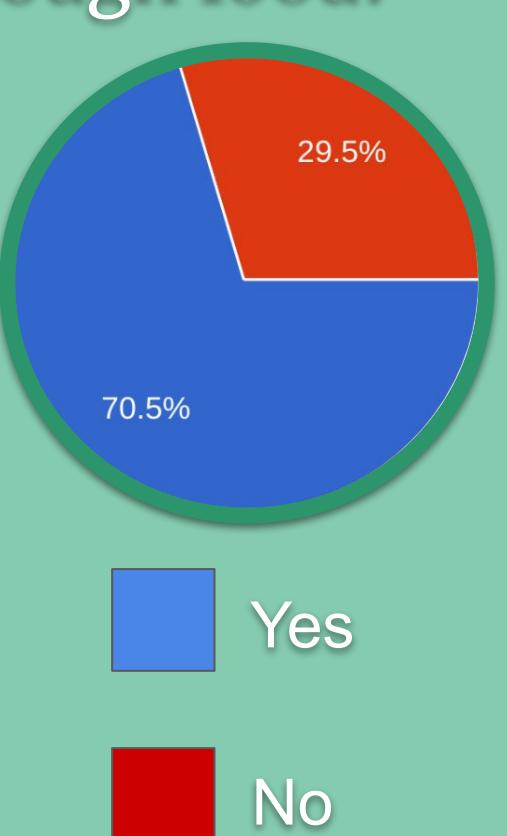
## VISUAL DATA

What features do you think is most helpful in a food resource app?

Would you use an app that helps people find food banks and available items nearby?



Have you or someone you know ever had trouble accessing enough food?



## RESULTS

The Nourish Network promotes equity by providing user access to food bank resources and helping food bank distribute their inventory efficiently

## CONCLUSION

- The Nourish Network meets the user requirements by allowing food banks to distribute and manage their inventory effectively, while also allowing users to view and access the inventory
- If continued our app will have improvements on allowing for nearby food bank locations, allow messages between food bank staff to refill or restock missing items in inventory.