

Pantry

MEET THE TEAM!



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THE PROBLEM

FOOD WASTE



America wastes roughly **40%** of its food and about **~50%** → Residential consumers.



Food waste occurs due to reasons like **overbuying** and **poor planning**.



Food waste strains not just our **environment** but also our **wallets**.

WHAT'S THE
SOLUTION?

PANTRY

Pantry an app that helps seamlessly manage your food right on your phone.

Virtual Pantry



Shopping List



Barcode Scanning

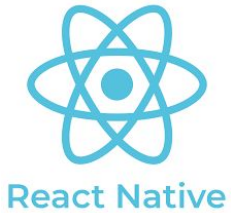




DEMO TIME!

WHAT WERE THE
CHALLENGES?

TECHNICAL MILESTONES



Going Mobile

- First time
- Pure React Native
vs Expo



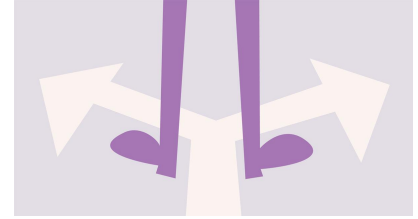
Machine Learning

- Barcode Scanning
- Text Recognition



SQL & NoSQL

- Normalizing
database



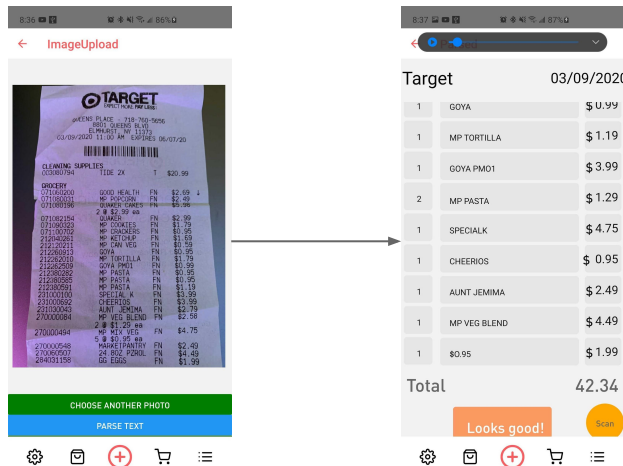
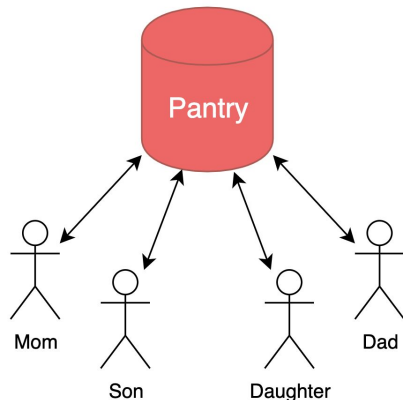
Pivoting

- Knowing when
to pivot

*WHAT'S IN THE
FUTURE?*

FUTURE IMPLEMENTATIONS

One **central Pantry** for the household (multiple users on one Pantry)



Parse a **receipt** to get all the items
using **OCR** (Optical Character
Recognition)

Send **push notifications** to users
when an item is about to expire
using **sockets**





Thank you!



MIKE S. BOYLE

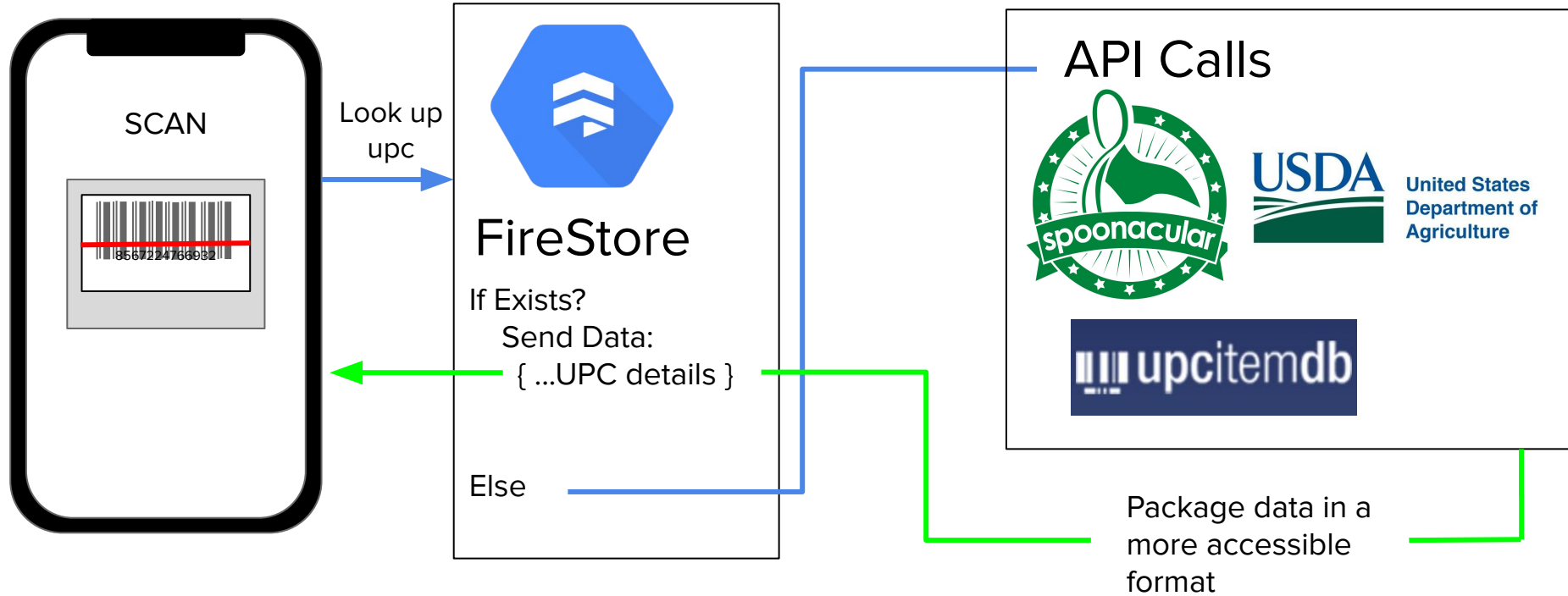
JUDGES Q&A

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BREAKOUT ROOM

BARCODE SCANNING



DATABASE SCHEMA

