MICHIGAN STATE
U N I V E R S I T Y

Beta Presentation
Shrink Reduction Using Blockchain

The Capstone Experience

Team Meijer

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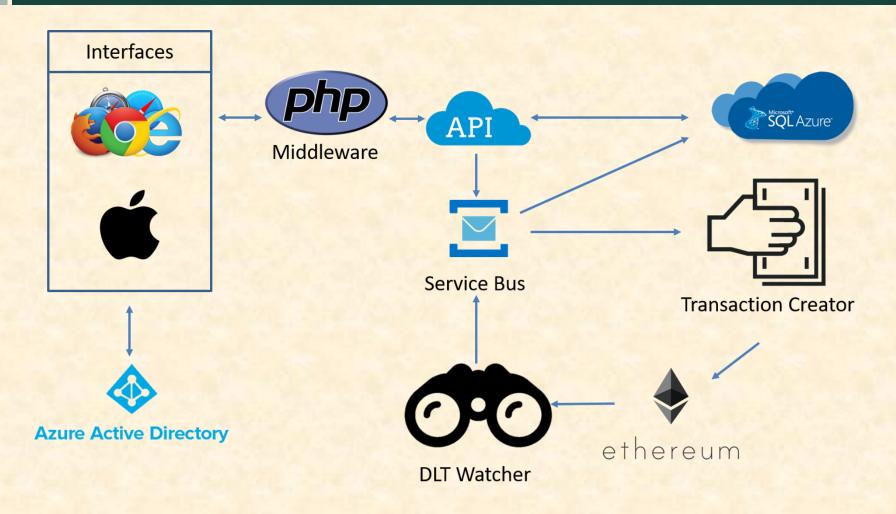Matthew Wilimberg
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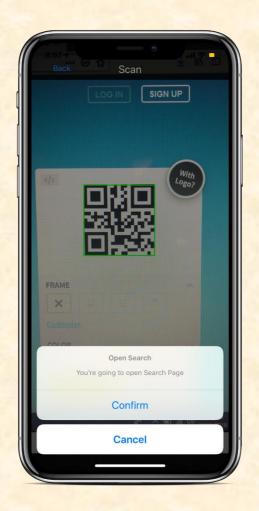Michigan State University
Fall 2018

From Students…
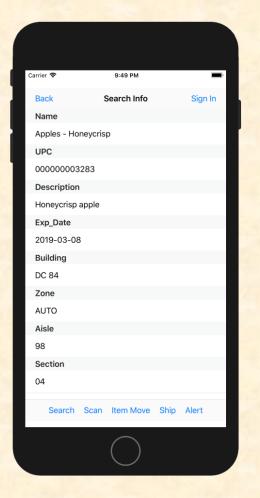*…to Professionals*

Project Overview

- Develop a blockchain system to track highly-perishable items and reduce shrink
- Create an iOS and web application to access the data
- Construct a notification system to alert users when products are close to expiration
- Implement a dashboard to display product loss statistics
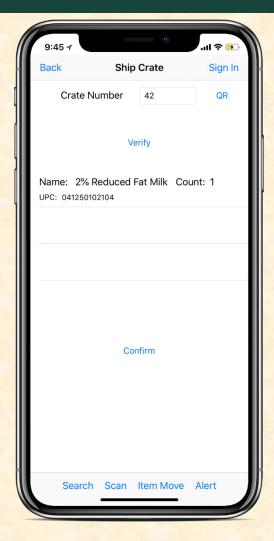
System Architecture
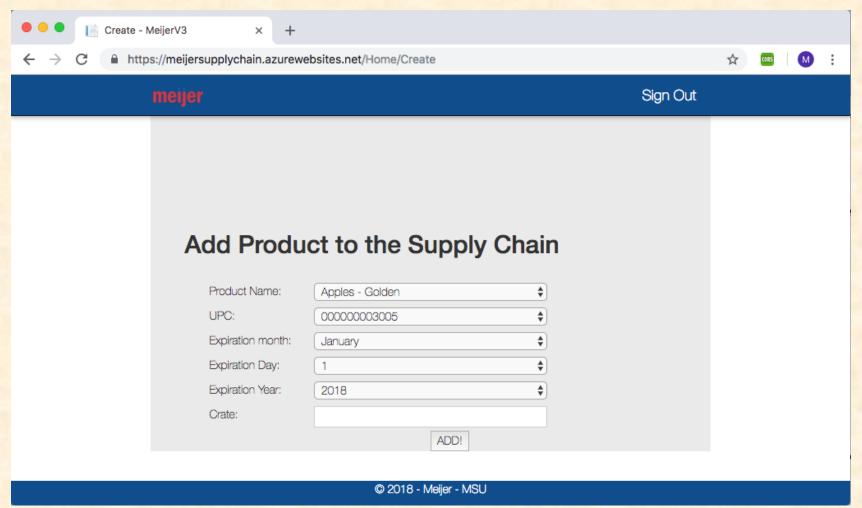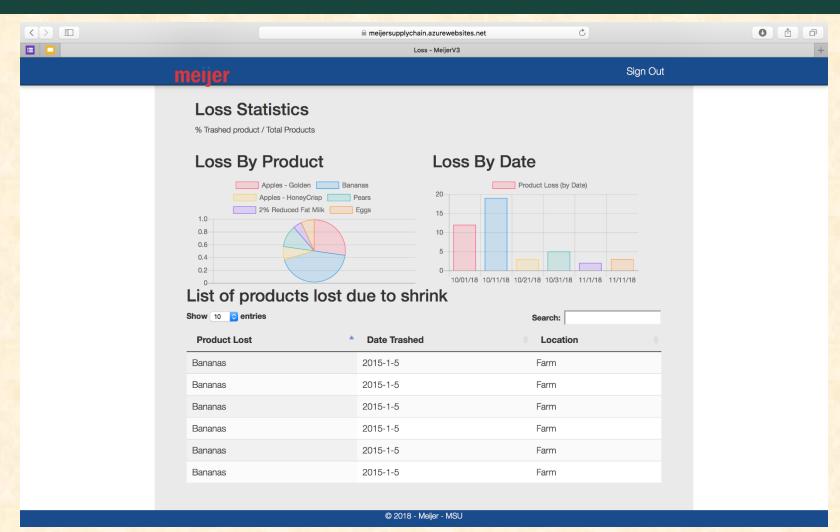
iOS QR Scanning and Product Info

iOS Shipping Screen

Web Application Contract Create Page

Web Application Loss Page

What's left to do?

- Improve the functionality of the application interfaces

- Improve the look of the user interfaces

- Add more statistics to the loss page

Questions?