Project Overview

• Meijer
  ▪ Large Super Chain Center in the Midwest US
  ▪ 270+ Stores and growing
  ▪ Specialize in general goods

• Warehouse Induction Problem
  ▪ Workers lack Clarity on pallets in warehouse
    o Unable to see how many pallets are inducted / rejected
    o Station Efficiency is not trackable
  ▪ Two separate Databases of information
    o Witron database contains Pallet Names / Station Information
    o Meijer database contains Pallet Specific Information

• Dashboard Solution
  ▪ Real Time (5 min delay) on induction stats
  ▪ Admin Page with Pallet / Station Specific Data
System Architecture
Induction Dashboard
Vendor Sorting

Vendor Name: PHOENIX FOOD LLC
- Pallet #: 10120850
- Weight: 1723.1
- Quantity: 292

Vendor Name: PROCTOR GAMBLE HOME CLEANERS
- Pallet #: 10123842
- Weight: 42492.63
- Quantity: 2,518

Vendor Name: KEHE FOOD DIST INC
- Pallet #: 10121519
- Weight: 9401.4
- Quantity: 853

Vendor Name: BAY VALLEY FOODS

The Capstone Experience
### Search Page

**Pallet Tracker**
Track the status of your pallets in real time.

<table>
<thead>
<tr>
<th>Purchase Order</th>
<th>Name</th>
<th>Successful</th>
<th>Successful No Errors</th>
<th>Weight</th>
<th>Rejected</th>
</tr>
</thead>
<tbody>
<tr>
<td>123101</td>
<td>Pheonix Foods</td>
<td>190</td>
<td>100</td>
<td>4629</td>
<td>50</td>
</tr>
<tr>
<td>284912</td>
<td>Aldi</td>
<td>170</td>
<td>110</td>
<td>347</td>
<td>60</td>
</tr>
<tr>
<td>745628</td>
<td>Zone</td>
<td>200</td>
<td>140</td>
<td>2444</td>
<td>80</td>
</tr>
<tr>
<td>848381</td>
<td>Alto</td>
<td>185</td>
<td>120</td>
<td>521</td>
<td>60</td>
</tr>
<tr>
<td>195631</td>
<td>Field Max</td>
<td>5</td>
<td>2</td>
<td>821</td>
<td>2</td>
</tr>
</tbody>
</table>
Reports Page
What’s left to do?

• Features
  ▪ Resolve New API Issues
    ○ Data works, but has a lot of inconsistent information
    ○ Slow server response time

• Stretch Goals
  ▪ AI Helper Bot

• Other Tasks
  ▪ Clean Up Styling / CSS
  ▪ Contacting Meijer about transferring software to them
  ▪ Upload Updated App / API to Azure
  ▪ Finalize UI Designs with Warehouse Lead
Questions?