Beta Presentation
Technology Driven Inventory Optimization

The Capstone Experience

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Project Overview

• Blockchain
  ▪ AWS
  ▪ Hyperledger Fabric

• Web Application
  ▪ ReactJS
  ▪ PowerBI
  ▪ Firebase
  ▪ Google Maps API

• Sensor
  ▪ Pebble Sensor
  ▪ IOTEX
System Architecture
Supply Chain Dashboard
Google Maps
Blockchain

![Supply Chain Manager](image)

<table>
<thead>
<tr>
<th>Serial number</th>
<th>Current state</th>
<th>Tracker ID</th>
<th>Owner</th>
<th>Role</th>
<th>Location</th>
<th>Plug</th>
<th>Ping Date</th>
<th>Complete History</th>
</tr>
</thead>
</table>
| KIT5          | Stable        | 351358810257516  | Joseph Klijnstra | Agency   | Joseph Klijnstra | 42.76000000, -84.6300000 | 11/14/2022, 9:35:05 PM | Stable: Joseph Klijnstra - 11/14/2022, 9:39:18 PM  
Transit: In Transit - 11/14/2022, 9:39:06 PM  
Stable: Test Union Agency - 11/14/2022, 9:38:13 PM  
Transit: In Transit - 11/14/2022, 9:37:42 PM  
Stable: Joseph Klijnstra - 11/14/2022, 9:34:10 PM |
| KIT7          | Stable        | 351358813282024  | Jake    | Agency   | Jake     | 42.72999999, -84.4500000 | 11/14/2022, 8:26:01 PM | Stable: Jake - 11/14/2022, 9:48:57 PM  
Transit: In Transit - 11/14/2022, 9:47:44 PM  
Stable: Jake - 11/14/2022, 8:13:57 PM  
Transit: In Transit - 11/14/2022, 8:03:57 PM  
Stable: Jake - 11/14/2022, 11:43:54 AM |
Transit: In Transit - 11/14/2022, 9:49:29 PM  
Stable: Unknown - 11/14/2022, 8:58:32 PM  
Transit: - 11/13/2022, 2:43:11 PM  
Stable: locationtest - 11/13/2022, 2:41:13 PM |
Pebble Sensor
What’s left to do?

• Stretch Goals
  ▪ Mobile Responsive

• Other Tasks
  ▪ Adding Radius To The Destination Location
  ▪ Stylistic Changes
  ▪ Fixing Bugs
Questions?