# MICHIGAN STATE UNIVERSITY

# Alpha Presentation OPEN v2.0: Smart Order Picking

The Capstone Experience

#### Team Phoenix Group

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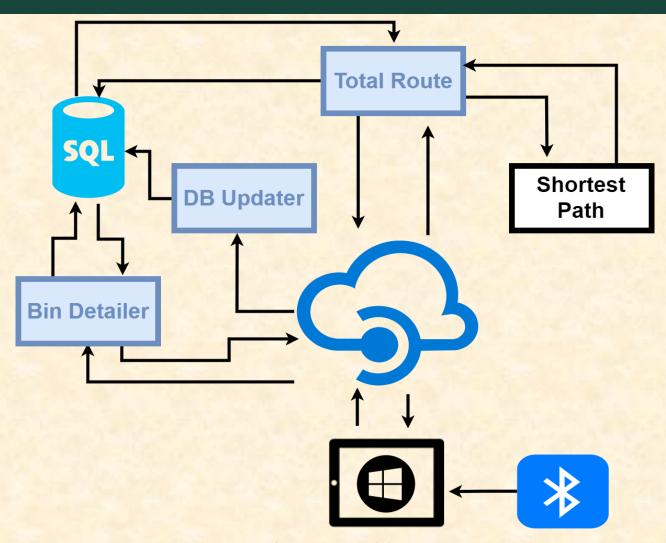
Department of Computer Science and Engineering
Michigan State University
Fall 2017



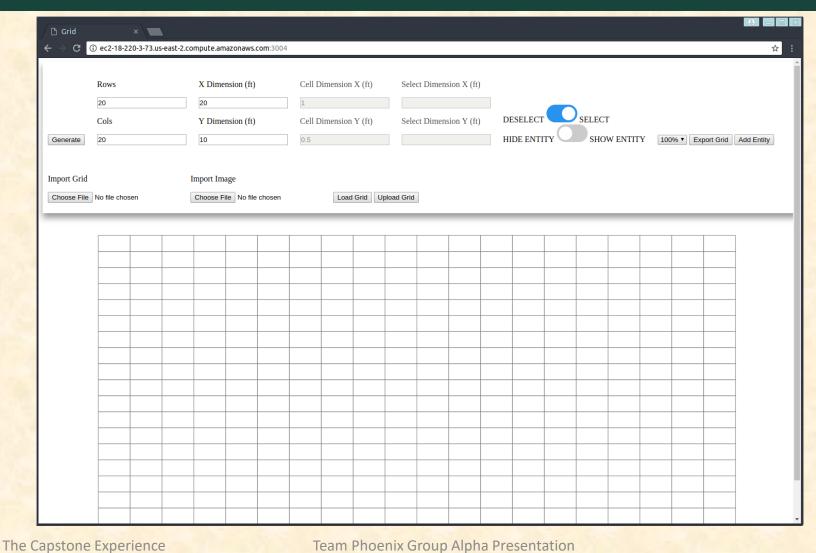
#### **Project Overview**

- Enhance Warehouse Order Picking Process
- Include Real Time Inventory Control
- Integrate with Current Application (O.P.E.N v2.0)

# System Architecture

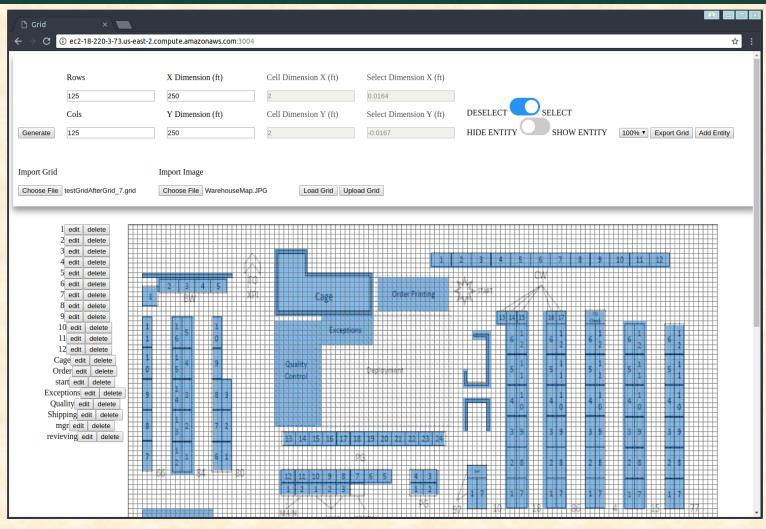


#### **Administration Panel**



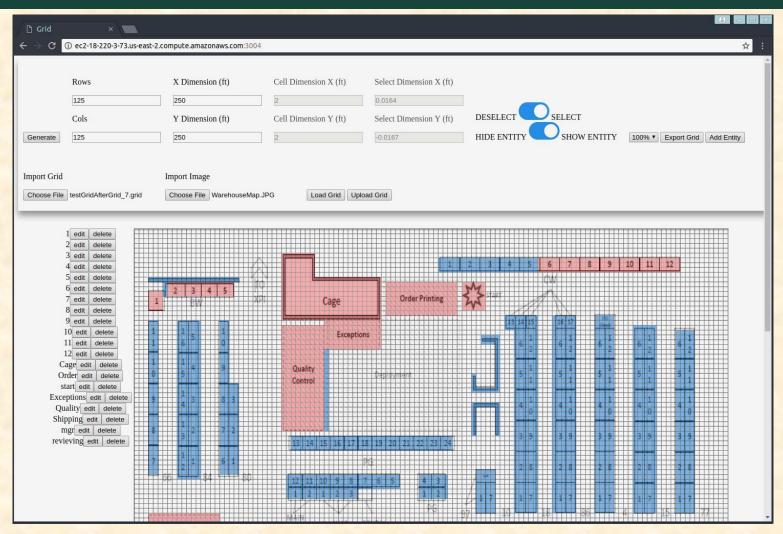


#### **Administration Panel**



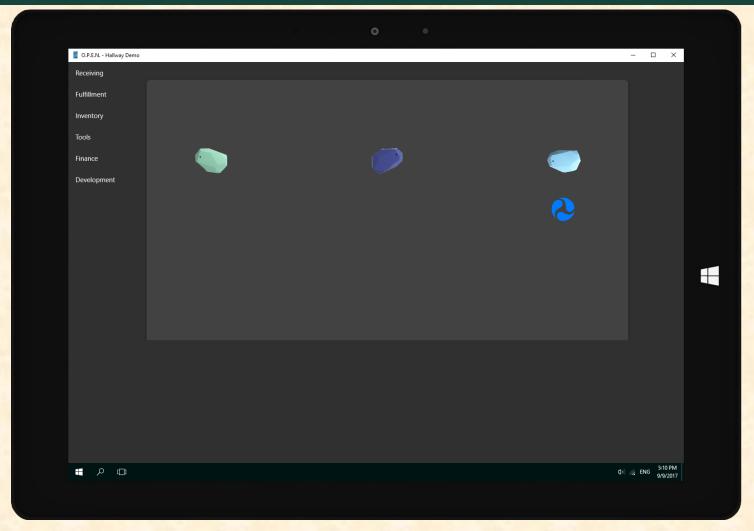


#### **Administration Panel**



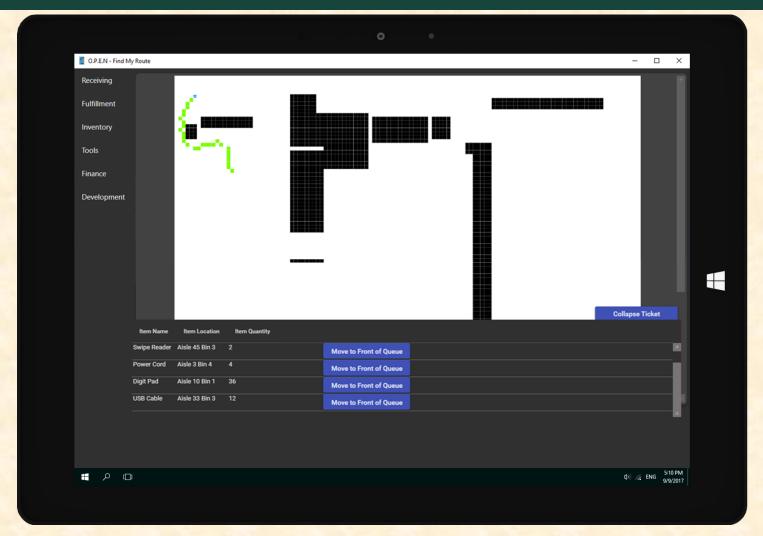


#### Bluetooth Demo



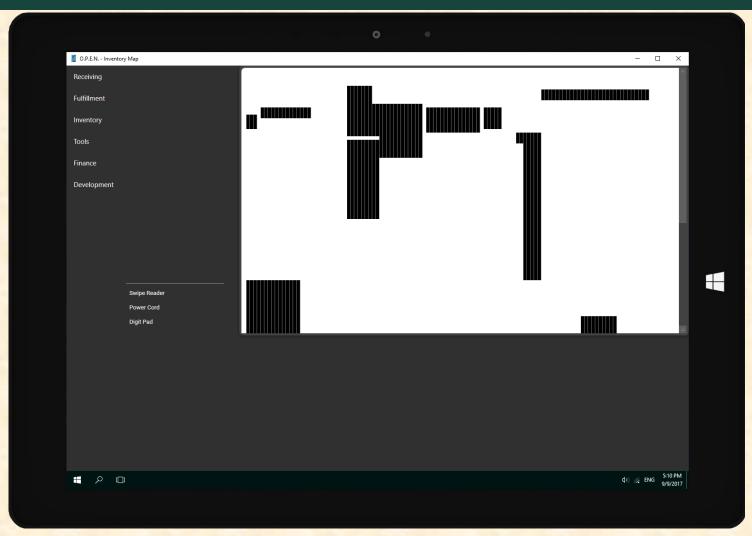


# Map Order Fulfillment





# Inventory Map





#### What's left to do?

- Full Routing On All Items
- Connect All API Functionality
- Integrate BLE Into Tablet Routing
- Inventory Interface on Tablet
- Interface Bar Code Scanner for Inventory

### Questions?

