Project Specification

MIMS
(Mobile Inventory Management System)

By: Steven Bruman, John Donahue, Matthew Finnegan, Sagarika Kumar, Dominic Marandino, Brandon Ostasewski, Patrick Richeal, Paul Sigloch

Team Leader: Brandon Ostasewski

Github: https://github.com/pricheal/mims
Slack: https://seniorproject-hga6827.slack.com

Project Summary

The purpose of this application is to improve upon an existing inventory management system. The current system in place is a text based application that is outdated and not designed for a mobile device. Users will be able to pick up the new application with a minimal learning curve.

Project Goals

The goals of this project are to:
1. Develop a user friendly application to replace a current outdated system.
2. Improve efficiency for new users to quickly pick up the application and learn basic functionality quickly.
3. Make application more accessible by being cross platform.

Product Features

1. An administrator website will allow managers to create users and generate credentials for employees to login to the app.
2. Employees will be able to login to the app using their defined credentials.
3. A user will be able to search for a product using primary or secondary identification.
4. A user will be presented with a list of potential products related to the search term.
5. A user can view all relevant attributes related to a product.
6. A user will have the ability to adjust inventory.
7. An inventory movement system will allow the user the ability to look at a product's inventory change over a period of time.
8. A future inventory prediction system will allow the user to look at upcoming predicted sales.

Limitations

1. The team does not have access to product and sales databases. This will require us to build our own small databases/simulations to model the systems that would already be implemented by the user of this product.
2. We are focusing on the imperial unit system, setting the scope to be strictly United States.

Stretch Goals

1. Analytic tools to visualize inventory changes/sales.
2. In app barcode scanner to look up products.
3. Integrate conversions to from imperial to metric system.
4. Chat system.