



# WMS Implementation Project

## Inventory Management App

Patrick Anderson

GitHub:

<https://github.com/ptrckndrsn/C451SysImp>

Demo:

[https://iu.mediaspace.kaltura.com/media/t/1\\_ssdmwfsv](https://iu.mediaspace.kaltura.com/media/t/1_ssdmwfsv)



## The App!

The Inventory Management App is an all-in-one place where an employee or customer can interact live with the current inventory.

- The Manage Products page lets a user view all current released products in the system and add, edit or delete records in the system for maintainability.
- The Manage Orders page lets a user place an order and deducts inventory from the system as items are added to the Order, ensuring inventory accuracy!
- The Manage Customers page lets a user maintain a current customer list with the ability to add, edit or delete a Customer record!

**Inventory Management Mobile Application**  
Manage Products

ProductID:   
 Name:   
 Quantity:   
 Description:   
 Category:

Add Edit Delete Home

ProductID	ProdName	ProdQty	ProdDescription	ProdCategory
7000001	Relay (30A)	26	30 Amp Relay	Electrical
7000002	Fuse (10A)	69	30 Amp Fuse	Electrical
8000001	Valve	37	Manual Valve	Mechanical
9000001	Adjustable Wrench	15	Adjustable Wrench	Mechanical
9000002	Grinder	46	Air Grinder	Pneumatic
9000003	Chisel	76	Air Chisel	Electrical

**Inventory Management Mobile Application**  
Manage Orders

**Customer List**

CustomerID	CustomerName	CustomerPhone
1	Jenny Anderson	317-412-2114

Order ID:   
 Customer: Jenny Anderson  
 Date: 03/05/2023

Add Order View Order Home

**Released Products**

ProductID	ProdName	ProdQty	ProdDescription	ProdCategory
7000001	Relay (30A)	26	30 Amp Relay	Electrical
7000002	Fuse (10A)	69	30 Amp Fuse	Electrical
8000001	Valve	37	Manual Valve	Mechanical
9000001	Adjustable Wrench	15	Adjustable Wrench	Mechanical
9000002	Grinder	46	Air Grinder	Pneumatic
9000003	Chisel	76	Air Chisel	Electrical

Price:  Quantity:

Product	Quantity	Price	Total
Air Grinder	1	10	10

Total: \$ 10

## Future Features!

- Search functionality
- Limited Access for Specific Users
- Improved Error Messaging to Users

Any mobile devices that support the Java language can operate the App.

All data the app utilizes is stored in a local database

**Inventory Management Mobile Application**  
Manage Customers

CustomerID:   
 Name:   
 Phone:

Add Edit Delete Home

**Customer List**

CustomerID	CustomerName	CustomerPhone
1	Jenny Anderson	317-412-2114

# of Orders: 4 Order Amount: \$ 26.2

- The Manage Categories page allows the business to better Categorize their products!

**Inventory Management Mobile Application**  
Manage Categories

CategoryID:   
 CategoryName:

Add Edit Delete Home

**Category List**

CategoryID	CategoryName
1	Electrical
2	Mechanical
3	Pneumatic

- The Manage Users page lets a User be added and given log in credentials.

**Inventory Management Mobile Application**  
Manage Users

Username:   
 Password:   
 Phone:

Add Edit Delete Home