

SWATS

Team 5

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Motive

SWATS is a Warehouse Management Systems (WMS) which is a system that utilizes software and control mechanisms to manage supply and chain operations within an organization.

The purpose of a WMS is it is efficient and cost effective.

SWATS helps with informing customers and clients with details on their orders

This helps with any confusion, hassle free, human errors, and no time being wasted

Warehouses are hectic places with a lot going on at once

The issue is when things can get complicated because most WMS don't have functions for storing orders to hand to customer or commonly called "dispensing orders".

When an order is complete they are tracked on paper, unfortunately the possibility for an order to leave the warehouse without a proper sign out procedure increases with the business of the workers.



EPIC

Separate Warehouse Archival Tracking System (SWATS) is a web and application based order tracking system designed to help companies better track their orders coming from and to customers

SWATS utilizes a barcode scanner to accurately track an order when it enters or leaves the warehouse by making archiving orders simpler

This helps both the company and their customers to track their orders

Some key features that SWATS will include:

- **Order tracking**
- **Confirmation of delivered orders**
- **Proof of receipt in case of a dispute**
- **Easy collection and retrieval of pickup details**

Other important features will include:

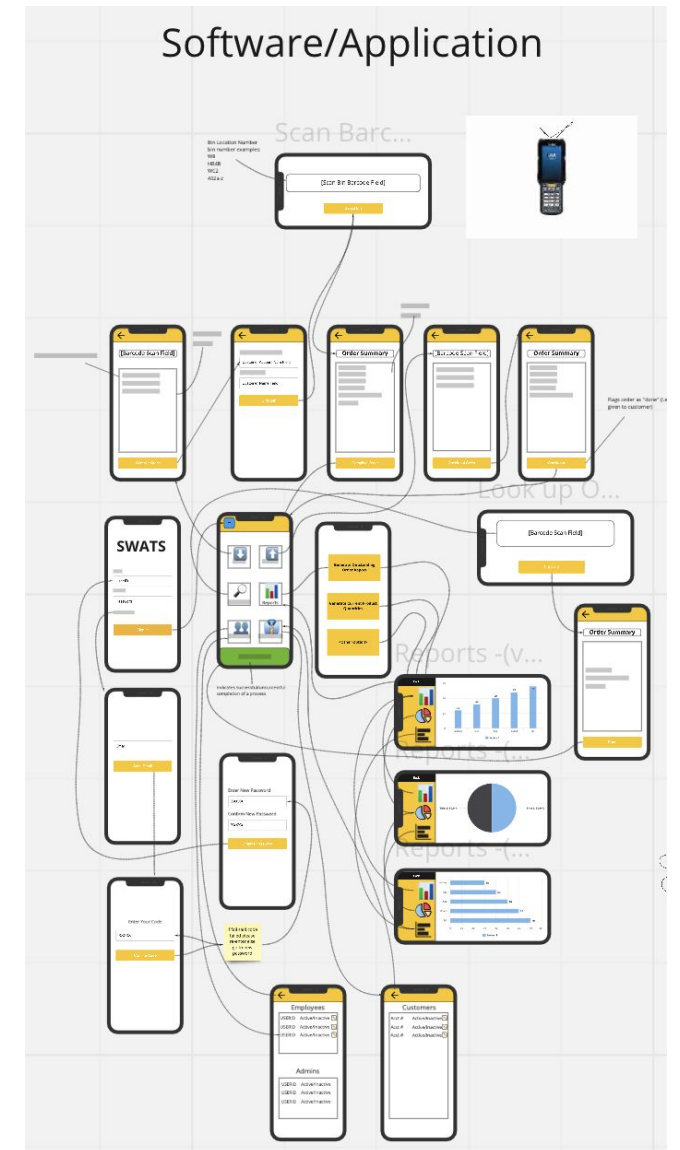
- **Auto backup feature that will save data in case a server goes down**
- **A web based lookup portal**
- **Easy to use designed GUI**

SWATS will be a replacement for paper forms by keeping digital copies on local business web servers along with customer pickup details as a signature for a receipt

Now a warehouse will be able to see if a customer has received their product with a confirmation as well as track where the order has been. Product information will not need to be manually written down which could lead to human error or lost orders



Sprint 1





User Stories

As a Warehouse Associate I want to be able to pull up details of an order by either order number or customer account number	AC: The software should provide a search capability that allows the user to search by one of two order signifiers, order number or customer number
As a user I want to an easy time navigating and viewing a portal so that I can easily access information related to my order with little room for confusion or error.	Acceptance Criteria: SWATS should have an easily readable and navigable GUI.
As a user, I want to be able to login in and out of my account so that I can keep track of what I did	Acceptance Criteria: Login/Logout functions

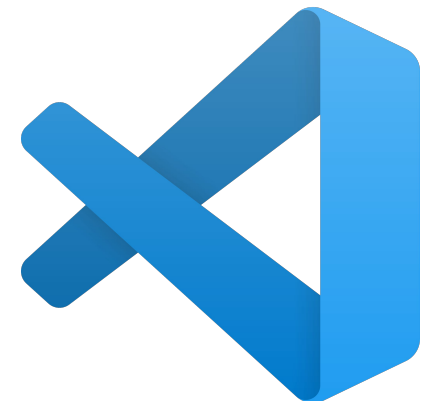


Demo



Technologies

- Visual Studio Code
- Jira
- Flutter and Dart
- Github
- MongoDB
- Zebra Scanner





Next Steps

- Get ready for Sprint 3:
 - Software product should notify customer by email or phone notification when product is ready.
 - Enable flutter hot reloads to make testing easier between different builds.
 - The software should provide a search capability that allows the user to search by one of two order signifiers, order number or customer number.
 - The software provides an aging report to see all orders that are over a month old.
- Set up a database to communicate with the application and the external website for customer order lookup.
- Connect the front-end (application side) to the back-end (database).
- Continue to debug and optimize if necessary.