# Implementation of Inventory Management System
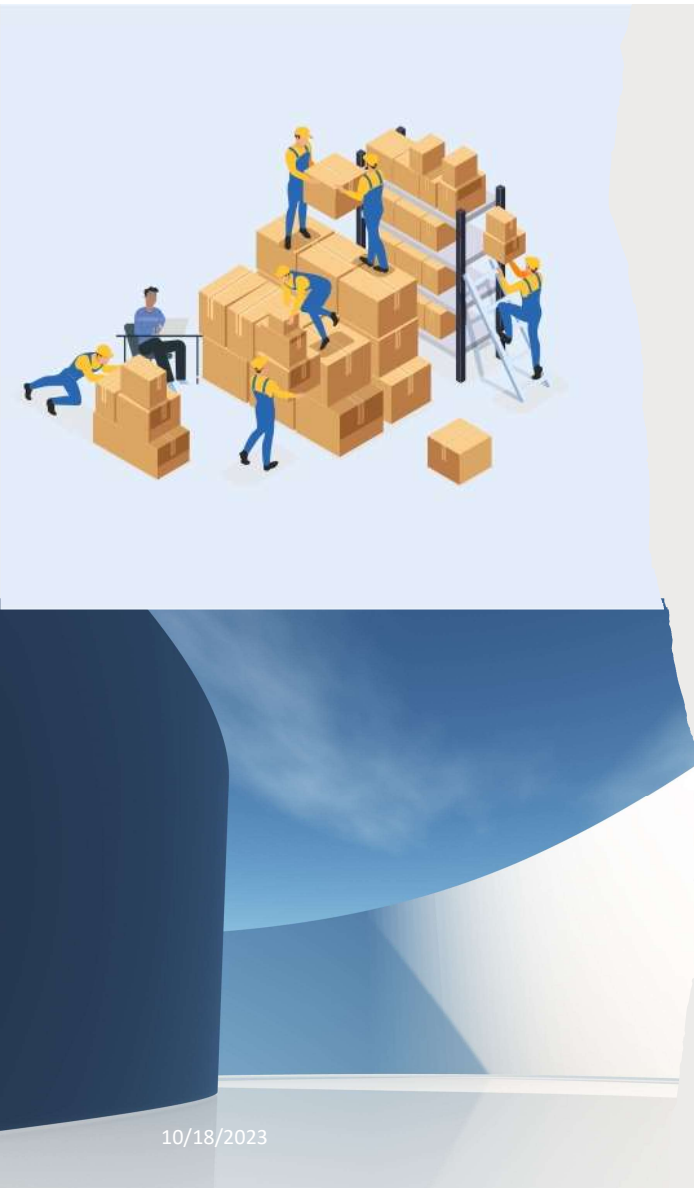
Phase-1 Walkthrough

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# Contents

Introduction
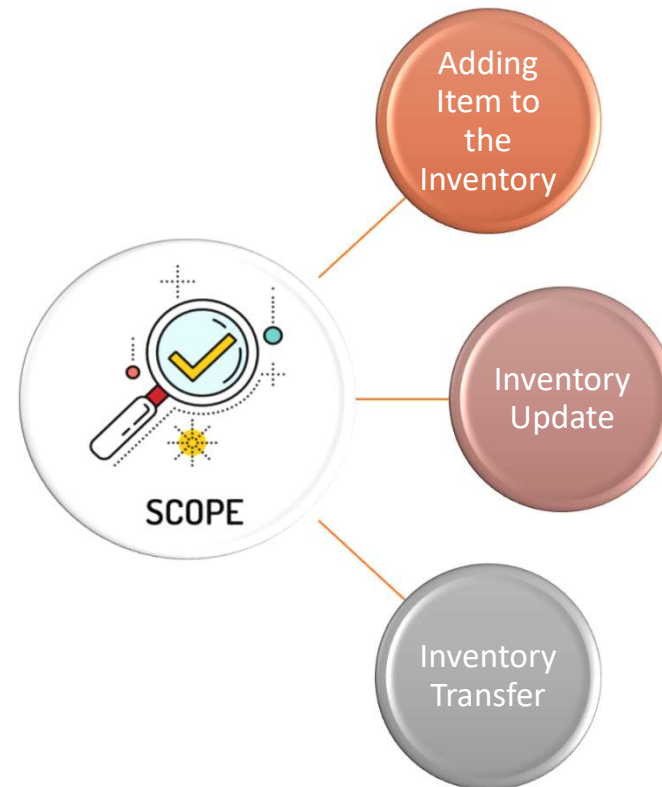
Project Scope

Project Status

Tasks Completed

What's next?

## Introduction:

- Inventory Management System (IMS) refers to a software application or a set of processes that facilitate the efficient monitoring, tracking, and control of a company's inventory.
- It involves the management of stock goods, materials, or products that are either ready for sale or are in the production process.
- The primary objective of an IMS is to ensure that the right amount of inventory is available at the right time, minimizing the costs associated with excess inventory while preventing stockouts

Adding Item to the Inventory

SCOPE

Inventory Update

Inventory Transfer

TEAM GDMS

# Project Status

# Tasks Completed

**1** Developed use case diagrams, activity diagrams for the scope

**2** Formed the functional and non-functional requirements for the scope.

**3** Documented the requirements.

**4** Finalized the technology that needs to be adopted for implementation, python and flask framework.
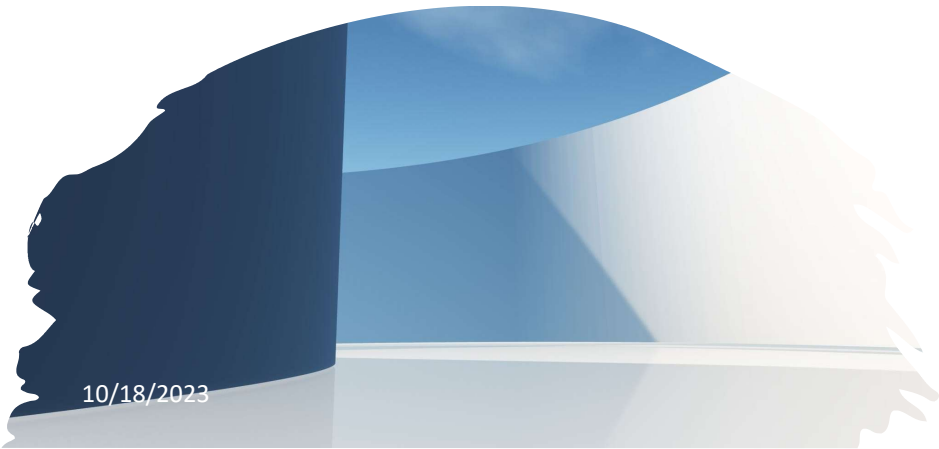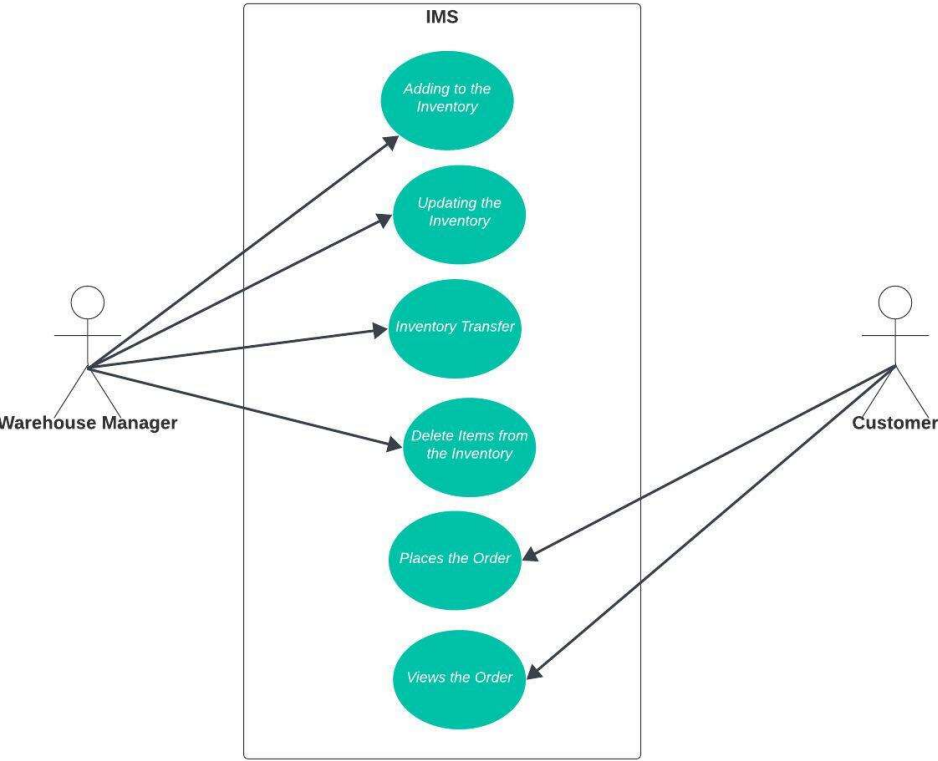
# Use Case Diagram



**IMS**

- Adding to the Inventory
- Updating the Inventory
- Inventory Transfer
- Delete Items from the Inventory
- Places the Order
- Views the Order

**Warehouse Manager**

**Customer**

# Activity Diagrams



Adding an Item to the Inventory-Role WareHouse Manager

- Add item name
- Add Item price
- Add quantity
- Add location
- Click on Save
- If Item is already in the inventory → YES → Throw am error saying that Item already exists
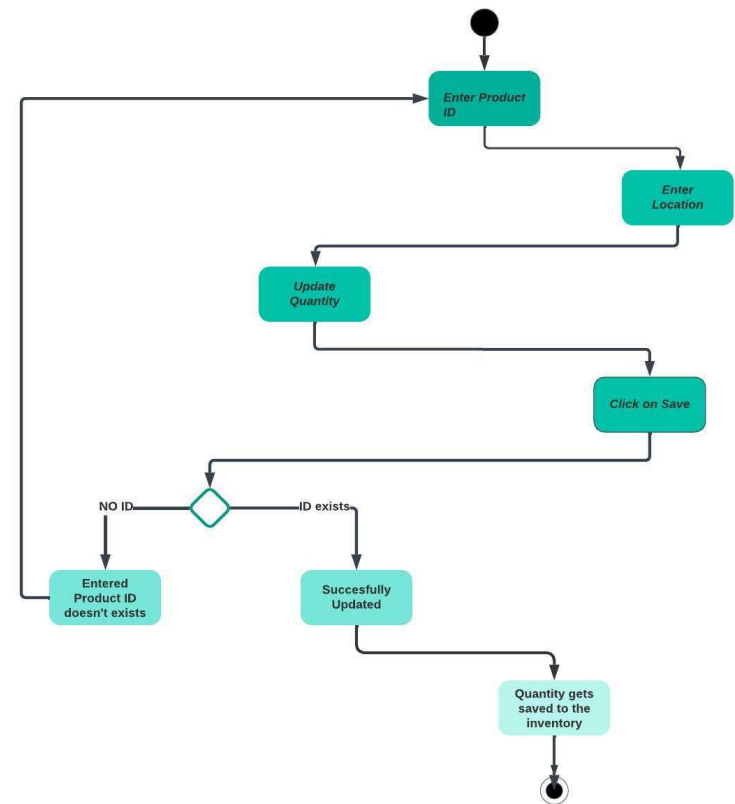- Saved to the inventory
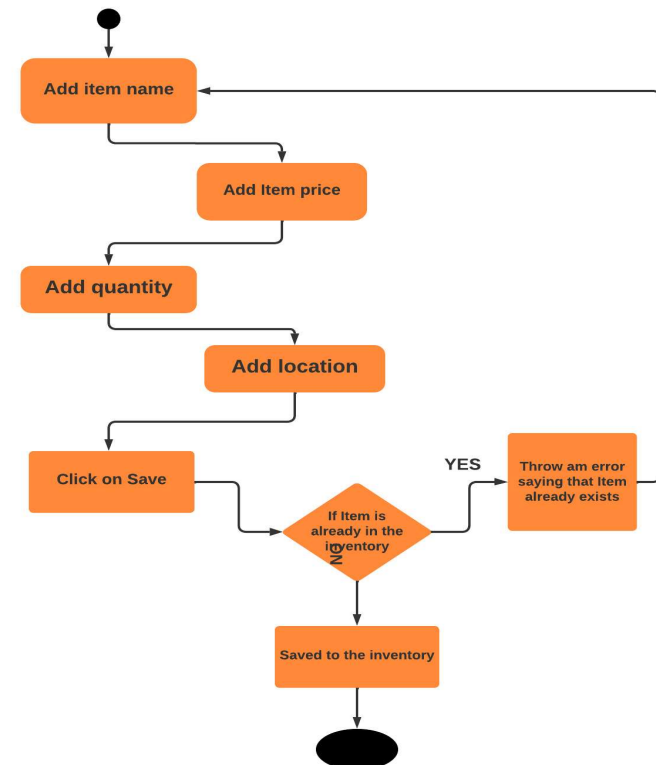
# Activity Diagrams



Updating the Item quantity In the inventory- Role Warehouse Manager

# What's next?

| Implementation of the software system. | By using Python, develop the features of the IMS that are mentioned in the scope considering all the requirements. | Incorporate all possible error messages when a user tries to give inaccurate input. | Test the developed system by giving all the possible inputs. | Documentation, Reporting |

## Add New Product

**Name**

**Description**

**Retail Price** ? | **Tax1** [Select Tax] | **Tax2** [Select Tax]

**Supplier**
Select Supplier

**Buy Price**

**Product Code**

**Barcode**

**Brand**

**Category**

**Tags**

**Internal Notes**

☑ **Track Stock**
⤷ **Initial Stock Level** ?     **Low Stock Threshold** ?
   0                            0

☐ **Temporarily Deactivate**

> **Save**

Create stock transfer

General    Products

ADD ROW    CREATE PRODUCT    ⚙

| | Source warehouse | Quantity at sour... | Destination warehouse | Quantity at desti... | Quantity |
|---|---|---|---|---|---|
| Q | Warehouse 1    Q | 500 pcs. | Warehouse 2    Q | 0 pcs. | |

✕ DELETE    ☐ FOR ALL

Total amount:    0 $

Thank you!