

# Warehouse Inventory System

## Work Plan

**Tech Stack to be used:** MERN Full-Stack

**Expected Duration:** 1 Month

**Expected Total Budget:** \$500

### Milestone 1: Inventory Management

Duration: 2 Weeks

Budget: \$200

This milestone will include the following:

1. Login and Authorization functionality for the warehouse portal
2. Complete Warehouse Portal layout including header, sidebar, and a basic dashboard
3. Stock Management and will sync products quantity with the website catalog
4. Page showing List of Pending Orders and showing their status
5. Ability to select an order and dispatch it. This will reduce the quantity of the products included in that order
6. If an order is returned, and not received, then will update the status to returned and the stock will be updated
7. If the Order is out of stock, it will be shown on the website catalog

## **Milestone 2: Purchase Management**

Duration: 2 Weeks

Budget: \$200

This milestone will include the following:

1. A separate portal for the suppliers where simply all the orders from the warehouse will be shown.
2. If it is a Contract Supplier, then the quantity of the product will be shown to him
3. A Purchase Page will be made where the warehouse manager can order the specific products with low stock. These orders will be displayed to the associated supplier.
4. When the Purchase Order is received, the inventory is updated, and the stocks are added. (These changes will also update the website catalog)

## **Milestone 3: Integration with the Website**

Duration: 1 Week

Budget: \$100

This milestone will include the following:

1. All necessary changes that are important to make sure that the warehouse system is completely integrated with the website
2. Update the database and use the original one instead of the database used for development
3. The APIs will be made secure.
4. When the order is received it will be sent to the associated warehouse depending on the Zip Code.

**Note:** Don't worry about the quality of the system. We will not proceed to the next milestone until and unless you are completely satisfied with the previous milestone.

Any Add-on to these features will be included in the upcoming milestones.