Warehouse Management

System

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Document ID: ASP-CMS-SRS-02.doc

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Version: 0.2

Date: March 22, 2024

1. Objective and Scope

The objective and the scope of the project is to build a Warehouse Management System that is capable of inventory management and order processing.

The scope of the product includes the following basic features:

- The Product enables the admin to efficiently manage stock, supplier information, customer details, and transaction management, along with reporting for incoming and outgoing stock, aiming to streamline warehouse operations effectively.

- Allows to add stock details such as unique stock id, brand name, supplier name, quantity and date.

- Maintains Supplier information such as supplier name, address, contact details, and product catalogs.

- Customer information includes customer name, address, contact details, requirements, and order status, all of which are maintained.

- Enable to monitor the incoming and outgoing stock in the warehouse through in & out transaction.

2. Project End Users

The end users of a WMS are Admin, Sales manager, and Warehouse manager.

2.1. Admin

Admin manages the stock, supplier information, customers details and in & out transaction in the warehouse. They have the authority to add, edit, update, or delete stock, suppliers' information, and customers details. Additionally, they can generate reports based on the in & out transactions for monitoring purposes.

2.2. Sales Manager

The Sales Manager has the ability to monitor the in & out transactions, stock details, and customer details.

2.3. Warehouse Manager

The Warehouse Manager can oversee all details about stock, suppliers, customers, and in & out transactions in the WMS.

3. Features

3.1. Login to the system

Each and every end user should be authenticated with a Username and Password to login into the system.

Validations for Username and Password.

Username: It accepts only Alphabets, Numbers, Dot (.) symbol and Underscore (_) symbol.

Password: It can be anything of the users' choice.

3.2. Add/Edit Stock

Add Stock:

Stocks are added into the database through the Add Stocks page by admin. The stock information consists of unique stock id, brand name, supplier name, number of stock and date on which it is received.

Edit Stock:

Stocks which are added through the Add Stocks page are saved into the database, which can be edited, updated, or deleted.

3.3. Add/View Supplier

Supplier's information such as supplier name, address, contact information can be added and modified by the admin. The details can be viewed by the admin and warehouse manager.

3.4. Add/View Customer

Admin can maintain the customer information such as customer name, address, contact details and their purchasing information. The sales manager and warehouse manager can be able to view the customer information and their order status.

3.5. In & Out Transaction

Incoming stock

Admin adds the receiving stock details in the incoming stock admin page. The stock information consists of unique stock id, supplier name, number of products and the date on which the stock is received.

Outgoing stock

The outgoing stock details will be controlled by the admin. The stock information consists of unique stock id, customer name, number of products and the date on which the stock is delivered.

3.6. View Transaction Details

Admin, Warehouse manager and Sales manager can be able to monitor the in & out transaction details of the warehouse.

3.7. View Stock

The stock details in the warehouse can be monitored by the admin, Sales manager, and warehouse manager. It provides each stock details and its status separately that are stored in the database. So, it is convenient to know each stock status.

3.8. Report

This system has reporting capabilities. It shows the report of total incoming stock and outgoing stock.