Stock Maintenance System

Problem Statement : The stock maintenance system is a software application that manages inventory of products in a warehouse or retail store. The system provides features to add, edit and delete products, track product stock levels, generate reports and manage orders. This document serves as a software requirements specification for the stock Maintenance System

Scope : The Stock Maintenance System will be a web-based application that allows warehouse or store managers to manage the inventory of products. The system will provide features to add, edit, and delete products, track product stock level, generate reports, and manage orders

Functional Requirements : Then

(i) User Management : The system should provide authentication and authorization for users with different roles such as admin, manager, and employee

(ii) Product Management : The system should provide features to add, edit and delete products. The system should allow managers to track stock levels of products.

(iii) Order Management : The system should allow manager to create, edit and delete orders.

(iv) The system should provide a dashboard to track order status and progress

(v) Reporting : The system should provide reports on product inventory levels and order history

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Interface Requirements : (i) User Interface : The system should have a user-friendly web based interface. The system should be responsive and work on different devices

(ii) Integration : The system should integrate with payment gateway APIs to process orders. The system should integrate with barcode scanners to track product stock level.

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Non-Functional Attributes: (i) Performance : The system should be able to handle a large number of products and orders. The system should have a response time of less than 1 second for most user actions

(ii) Security : The system shall be secure, protect confidential data

(iii) System should be reliable and scalable

(iv) The system shall be compatible with all modern web browsers

Preliminary Schedule
and Budget : The development of the system is expected to take approximately 4 months with a budget of 30,000