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Date: Page:

Stock Maintenance

1. Introduction

1.1 Purpose

The purpose of this SRS document is to defined the functional & non-functional requirement for a stock maintenance system.

1.2 Scope

The stock maintenance system will serve as a centralized platform to manage the stock lifecycle, from recieving goods into inventory to dispatching them for sales or production use.

1.3 Overview

This SRS document provides a compre hensive description of the stock maintenance system, detailing its functional & non-functional requirements.

2. General Description

It will be a web-based application designed to manage inventory, orders & supplier relationship. The system will integrate with existing point of sale system.

3. Functional Requirement

- User authentication – Implement role-based access control for Inventory Managers, Sales & admin users.
- Inventory Management – Manage stock levels for multiple warehouse. Add or update stocks/ records.
- Order Management – Create new purchase order with order date, delivery date & items.
- Stock adjustment – Update inventory upon the successful receipt of goods.
- Reporting – Generate inventory, order, and supplier performance reports.

4. Interface Requirement

- System should have clean, responsive interface.
- Interface with external systems like accounting software
- System should communicate using secure protocols.

5. Performance Requirement

- The system should be able to handle 1000 con-current users.
- Average response time should not exceed 1.5sec.
- Stock update should reject across the system.

6. Design Constraint

- System must use a relational database to ensure data integrity.
- Implement data validation & error handling to prevent inconsistencies.

7. Non-Functional Requirement

- Security - Use role-based access control to restrict unauthorized operation.
- Scalability - Optimize database queries to handle large datasets efficiently.
- Maintainability - Use a modular code structure for any maintenance.
- Usability - The system should be intuitive, with clear navigation.

8 Preliminary Schedule & Budget

Budget estimate:

Development : $ 60,000
Testing : $15,000
Hardware & Software : $20,000
Miscellaneous : $5,000

Total : $ 100,000