STOCK MAINTENANCE SYSTEM

Develop a Stock Management System to streamline inventory control. Features include product catalog management, order processing, stock tracking with notifications for low stock levels, and reporting on inventory status. Implement robust user authentication, data security measures, and a user-friendly interface for efficient operations.

1. Introduction

1.1 Purpose of the document
- To describe the requirements involved in developing stock maintenance system.

1.2 Scope of the document
- Describes the overall working & objective of the SMS. This system will allow admin to manage & update stock.
- Outlines the values provided to users & stakeholders, management of stock inventory.

1.3 Overview
- This SMS is designed to facilitate the management of stock inventory for Business
- It provides functionalities for stock entry, stock tracking, stock movement, reporting, ensuring timely management of stock levels.

2. General Description
- The SMS facilitates the following functions stock entry, stock tracking, movements, reporting.

3. **Functional Requirements**
- Internet oriented, using an offline server system shall save products details, supplier details, sales details, purchase details, customer login, sales process. Allows manager to view & print product details, customer and supplier details.

4. **Interface Requirements :**
System Interfaces : Barcode scanners, stock entry & tracking compatibility w/ ext systems.

5. **Performance Requirements :**
Response time Quick response for stock related queries, minimial downtime.
Scalability : handle large volume of stock items & transactions.

6. **Design Constraints :**
- Platform compatibility with versions OS, web browsers compliance with industry standards for storage security.
- Hardware limitations : Optimization for desktop & mobile devices.

7. **Non-functional Attributes :**
Security Access Controls & encryption.
Reliability : Reliable backup, recovery
Performance : Handles concurrent users & large datasets.

8. Preliminary Schedule & Budget:
   - Estimated time of development 4 months.
   - Estimated budget : 4,00,000 ₹