stock maintenance system (SMS)

Purpose of Document.

This document specifies the requirements and specifications for development of the stock maintenance system. It aims to provide a comprehensive guideline for developers and stakeholders.

Scope of Document.

SMS will automate stock management processes, including inventory tracking, order management, and reporting functionalities.

Overview.

Stock maintenance system provides tools for real time inventory tracking, alerts for low stock, and reporting features to enhance decision making. It aims to reduce stockouts and excess inventory.

General Description.

The system will support various inventory management functions, including receiving shipments, tracking sales and ~~pk~~ cancellations, physical counts. It will serve multiple user roles, such as warehouse staff, sales personnel.

Functional Requirements:

1. Inventory tracking - Monitor stock levels in real time
2. Reorder Alerts - Notify users when stock turnover, sales ~~trends~~ trends, and inventory valuation.
3. Reporting - generate reports on ~~stock~~ stock turnover, sales trends

and inventory valuation.
4. User roles - different access levels for warehouse staff, sales and management.
5. Integration - connect with sales and procurement systems.

Interface Requirements:
1. User interface
2. API integration.

Performance Requirements:
1. Response time
2. Concurrency
3. Data Accuracy.

Design constraints.
1. Technology stack - must use specified language
2. compliance
3. scalability

Non Functional requirements.
1. Usability.
2. Reliability
3. security

Preliminary schedule.
Phase 1: Requirements gathering: 2 weeks.
phase 2: Design - 2 weeks.
phase 3: Development - 6 weeks.
phase 4: Testing - 2 weeks.
phase 5: Deployment - 2 weeks.
Total Duration - approx 16 weeks.

Preliminary Budget.

Development Costs: $50,000
Licensing Fees - $5,000
Infrastructure Costs: $10,000
Training & Support: $5,000
Total Estimated Budget: $70,000