Stock maintainance : (SMS)

Problem statement :

Business struggles with stock management due to manual tracking, leading to stockouts or overstocking. A stock maintainance system is essential for real-time inventory tracking, automated reordering process, and report capabilities to optimize stock levels & reduce operational costs.

SRS :

1. Introduction :

1.1 purpose of the document :

This document outlines the software requirement for the Stock maintainance system, aimed at optimizing inventory management

1.2 scope of this document :

The document covers functional & non functional requirements & performance to improve stock management for business

1.3 overview :

The system will provide real-time inventory tracking, automated reordering and reporting capabilities.

2. General description :

- User characteristics : ware house manager, sales person
- features : Inventory tracking, automated reordering, reporting.
- Benifits : optimized stock levels, reduced cost

3. **Functional requirement:**
   - user can add, update and delete inventory item
   - The system alert users for low stocks
   - generalize inventory report.

4. **Interface requirement**
   - Dash board interface for inventory tracing
   - Api for integration with sales

5. **performance requirement:**
   - inventory update
   - report generation

6. **Design Constraints:**
   - must be scalable
   - needs to integrate with existing system

7. **non-functional requirement:**
   - Reliability : data integrity
   - Reusability : Code should be modular

8. **preliminary budget & time:**
   - budget - $50000 - $80,000
   - time : 5 months

   <u>classes</u> : product, transaction, warehouse, staff.