IV

Stock Maintainance System SRS

1. Introduction

1.1 Purpose :- To automate stock tracking, reduce maintainance errors and optimize order management.

1.2 Scope :- Manages inventory levels, orders, alerts and scope.

1.3 Overview :- Provides real-time stock tracking, helping business manage

2. General Description :-
Tracks stock levels, order status, and generate reports.
Users include store managers and warehouse staff.

3. Functional Requirements

→ Real-time stock level updates
→ Automated low stock alerts
→ Order and supplier management.

4. Interfare Requirement

→ Integration with suppliers for automated order requests
→ API integration

5. Performance Requirements

→ Handle stock updates in real time.
→ Concurrently manage upto 20,000 records
→ supports minimum of 500 users.

6. Design constraints

→ Limited to use on company- provided hardware
→ Uses SQL based database for stock records.

7. Non- functional Requirements

→ High reliability and low error rate in inventory tracking
→ Fast and scalable to accomodate large inventory volume.

8. Schedule and Budget

→ Timeline : 3 months for Dev. & 2 months for testing
→ Budget : $ 60,000 for dev
   Split - ups :

Stage	Amount
Stage 1	$ 10,000
Stage 2	$ 20,000
Stage 3	$ 20,000
Stage 4	$ 10,000