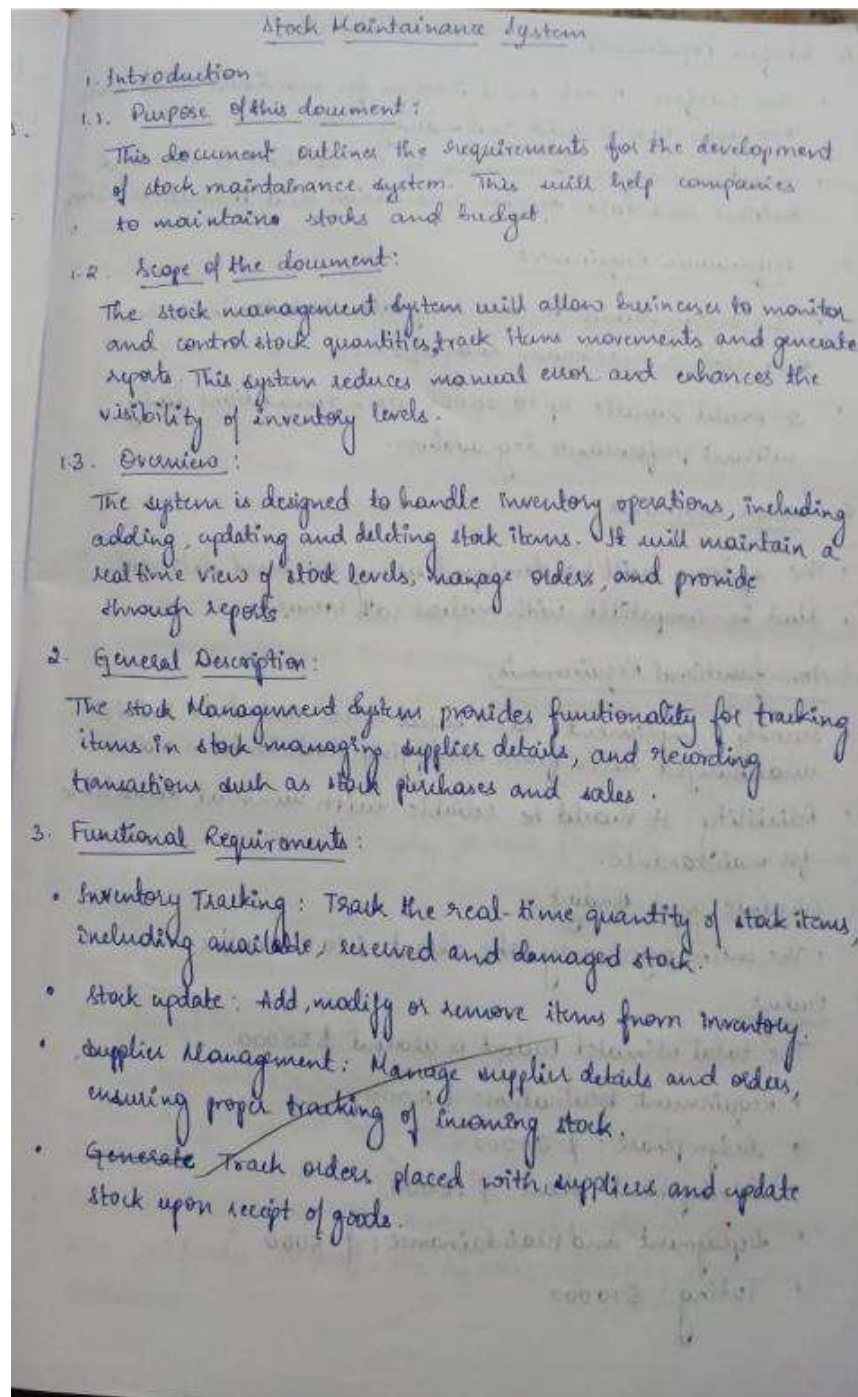


STOCK MAINTENANCE SYSTEM

SOFTWARE REQUIREMENTS SPECIFICATION



4. Interface Requirement:

- User Interface: A web-based interface for warehouse and store managers to view, add and manage stock.
- Database Interface: A connection to the database to store and retrieve stock data, supplier information and transaction history.

5. Performance Requirement:

- The system should be able to update stock levels in real time with a maximum delay of 1 sec.
- It should handle up to 10,000 stock transactions daily without performance degradation.

6. Design Constraints:

- The system will be developed using SQL based database.
- Must be compatible with modern web browser.

7. Non-functional Requirements:

- Security: Implement role-based access control to restrict unauthorized users from modifying stock levels or orders.
- Reliability: It should be reliable with minimal downtime for maintenance.

Schedule and Budget:

- The entire project may take about 6 to 8 months.

Budget:

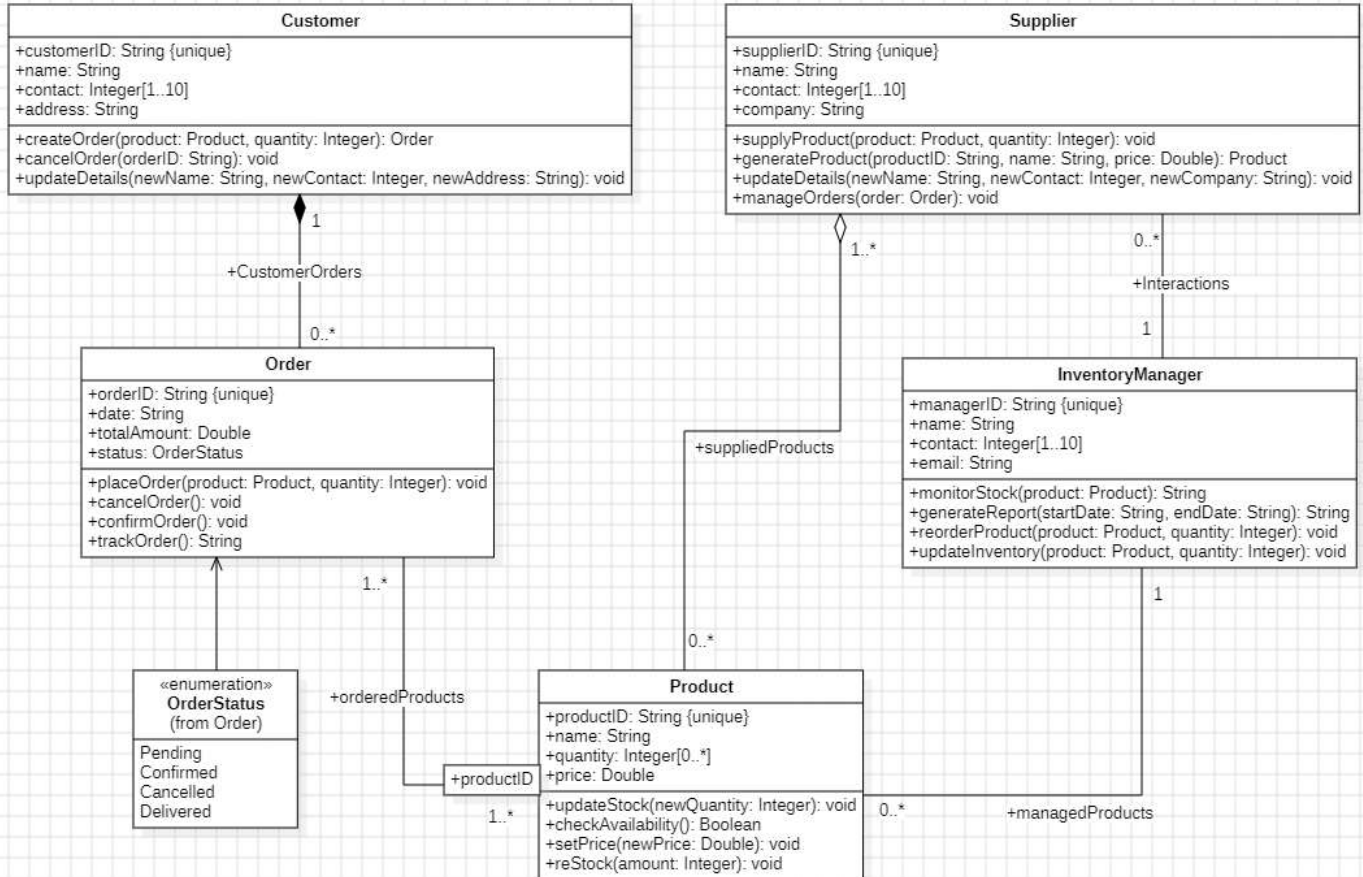
The total estimated Budget is around \$55,000

- Requirement Specification: \$2,000
- Design phase: \$20,000
- Development phase: \$12,000
- Deployment and maintenance: \$5,000
- Testing: \$10,000

UML DIAGRAMS

CLASS DIAGRAM

STOCK MAINTENEANCE SYSTEM - CLASS DIAGRAM



4. STOCK MAINTENANCE SYSTEM

