Stock Maintenance :-

1.1 Problem Maintenance: to develop a stock maintenance system that will assist in managing inventory levels, tracking stock movements and provide accurate reporting on stock availability.

1.2 Scope: To track stock levels, movements & automate repurchase when fall below threshold.

2. Functional Requirements:-

3.1 Stock Management: (stock tracking, Track a stock level for each item in real time).

3.2 Quality check: (flags items for quality inspection which are added to available stock).

3.3 Reorder Management (set minimum stock levels for each item, whenever stocks falls below threshold issue a reorder).

3.4 Notification & Alerts : (Low Stock Alert, Overstock Alerts, Expiring Stock Alerts).

4. Non-functional Requirements :-
   4.1 Performance :- (System speed, Concurrent users, Real time updates).
   4.2 Security :- (The information of inventory is should be securely shared).

   4.3 Scalability (The system should be modular allowing for easy expansion).

   4.4 Maintainability :(Modular so easy to maintain & comprehensive documentation

5. Domain Requirements :-
   5.1 User Interface :(The UI must be user friendly).
   5.2 Data Privacy & Security (The stock Management System must implement encryption for sensitive data.
   5.3 Integration with financial system(The system should integrate with financial system to synchronize stock levels & purchase order