Stock maintainance -

i) Introduction

1.1 Problem Statement - An automated stock maintenance system is needed to streamline operations, track inventory levels in real time manage stock orders and provide detail analytic

1.2 Scope - The stock maintenance system will be designed to automate the stock tracking and management process.

ii) Functional Requirements :

2.1 user Authentication and Roles
* The system should allows user to log in according to their role (admin, manager, store keeper).

2.2 Stock monitoring
* The system must track stock levels in real time

2.3 Stock In/Out Process
* The system should record the addition of new stock and the outgoing of stock including the details date, time and quantity

2.4 low Stock Alert
* when stock level go below a threshold quantity It should give low stock Alert

2.5 Supplier Management
* The system should store details about all suppliers and also associat each product with their supplier for easy re-ordering

iii) Non-Functional Requirements :-
3.1 Performance -
The System should handle large amount of stock data and transactions without performance degradation.
3.2 Scalability -
The System should be scalable to accom-odate growing number of Stocks
3.3 Reliability -
The System should provide accurate and consistent data on Stock availability and transactions
3.4 Usability -
The System should be user friendly for both technical and non-tech users
3.5 Security -
The System should secure user's private data and sensitive informations

iv) Domain Requirements
1) Inventory data
2) Real time stock update
3) Integration with payment gateway
4) User Interface

v) Appendices
vi) Index

1/10/24