

Stock Maintenance System

Problem Statement:

The stock maintenance system, aims to streamline inventory management by automating stock tracking & replenishment processes, reducing errors; and optimizing stock levels for efficient operations.

2) Introduction:

2.1 Proposal:- Define specifications and requirements for stock maintenance system development

2.2 Scope:- Describe objective values and estimate of development cost and time.

2.3 Overview:- Designed for efficient stock inventory management, tracking movement and reporting.

3) General Description:

Stock Entry:- Add new stock items with details like name, quantity, price and supplier info

4) Functional Requirements:

Stock entry, stock tracking, stock movement, reporting.

5) Interface Requirements:

User Interface:- Intuitive interface for easy navigation, clear display of stock information

System Interface:- Integration with barcode scanner
compatibility with external systems.

6) Performance requirements:-

Response time :- Quick response time
Scalability :- Ability to handle large volumes of
items and transactions.

7) Design Constraints:-

Platform compatibility :- compatible,
Hardware Constraints :- compatible optimization
for desktop and mobile devices.

8) Non-functional attributes:-

Security :- Access controls, encryption mechanisms

Reliability :- Back up, recovery, mechanisms.

Performance :- Efficient performance for concurrent
users and large datasets, good performance
compromising speed or responsiveness.

9) Preliminary schedule and budget:-
Development estimated at 4 months, fixed
budget.