

Stock Maintenance System

Problem Statement:

- The current system is manual & prone to errors, leading to inaccurate inventory tracking, stock shortage & operational inefficiencies. Automation is ~~more~~ important to streamline stock management processes, minimize errors & improve overall operational effectiveness.

Introduction:

1.1 Purpose of document.

- To describe the requirements involved in developing stock maintenance system

1.2 Scope of the document.

- Describe the overall working & objective of SMS. This system will allow admin to manage.

1.3 Overview:

- The SMS is designed to facilitate the management of stock inventory for business.

- It provides functionalities for stock entry, stock tracking, stock movement, reporting, timely management of stock levels.

General Description:

The SMS facilitates the following function; stock entry, stock tracking, movements, reporting.

Functional Requirement

Internet oriented, an online server system shall save product details, supplier details, sales details, purchase details, customer login sales process. Allows manager to view & print details.

Interface Requirements:-

System Interface: Barcode scanner, stock entry & tracking compatibility w/ systems.

Performance Requirements:

Response time: Quick response for stock related.

Queries, minimal downtime.

Scalability: Handle large volume of stock items & transaction.

6. Design Constraints:-

Platform compatibility with various OS, web browsers compliance with industries standards. for storage capacity.

Non-Functional Attributes:

Security: Access controls & encryption

Reliability: Reliable backup and recovery.

Performance: Handle concurrent user & large datasets.

Preliminary Schedule & Budget

Estimated time of development: 4 months

Budget: ₹ 4,00,000

Class Diagram of a Stock market System

