

4) Stock Maintenance System:

Problem Statement:

create a stock maintenance system for a retail business that efficiently manages inventory. the system should track stock levels, handle product information, process sales transactions, generate reports and manage users. Emphasize usability, scalability and adherence to software engineering principles.

1. Introduction

1.1 Purpose

This document serves as a guide, requirements and specification for the development of stock maintenance system.

1.2 scope The document defines overall working and functionality performance, in scope requirements and non-function attributes of stock maintenance system.

1.3 overview The stock maintenance system will efficiently manage inventory and track stock levels, analytics and supporting.

2. General description:

The stock maintenance system will efficiently manage inventory and track levels, analytics. It is a software solution designed to automate inventory management process for business.

3. Functional Requirements

- Stock tracking
- Inventory management
- Track stock levels
- Reporting and analytics

4. Interface Requirements

- user interface
- Database Interface
- Integration interface

5. Performance Requirements

- Response time should be minimum
- Real time updates
- scalability : Ability to handle a large volume of inventory transactions
- Data Integrity

6. Design constraints

- system should be compatible with existing & various software and hardware
- Robust security measures

7. Non-functional Attributes

- security
- portability
- scalability
- Reliability

8. Preliminary schedule and Budget

- estimated time : 10 months
- estimated budget : ₹ 8,00,000.