Stock Maintenance System

Problem Statement:

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

1. Introduction:

1.1: Purpose

The purpose of this document is to define the specifications & requirements for the development of a stock maintenance system.

1.2 Scope:

The document describes the overall working & objectives of stock maintenance system.

1.3 Overview

The stock maintenance system is designed to facilitate the management of stock inventory for business.

2. General ... the stock maintenance system facilitate the following function.

* stock entry
* stock tracking
* stock movement
* Reporting

3. Functionality Requirements...

* stock entry
  - Ability to add, edit, & delete stock item from the inventory database.

* stock Tracking
  * Real-time monitoring of stock levels.

* stock movement
  - Tracking of stock movement within into stock related activities

4 Interface Requirements
  - User Interface
  - System interface

5 Performance Requirements
  - Response time
  - scalability

. Design constraints
- platform compatibility
- Hardware limitations.

7 Non-Functional Attributes
- security: Implementation of access controls &
encryption mechanisms to protect sensitive stock
data from on exchanging to protect sensitive
stock data from on authorized access.
- Reliability :- Reliable backup.
- Performance. Efficient Performance.

8 Preliminary schedule & Budget.
* The development of the stock. Maintenance
system is estimated to take approximately
4 months with budget of $40000.