

Stock Maintenance System

1. Introduction

1.1 purpose of this Document :

This document outlines the design of a stock maintenance system to help businesses manage inventory levels, stock updates, and product details efficiently.

1.2 scope of this Document :

The system will improve stock tracking, inventory control and order management. It is aimed to be completed within 3 months under a controlled budget.

1.3 Overview :

The system automates the management of stock, allowing businesses to monitor product availability, track orders, and manage supplier information effectively.

2. General Description :

The system is designed to handle inventory updates, stock level monitoring and order processing. It improves operational efficiency by allowing real-time tracking of inventory and managing stock replenishment based on demand.

3. Functional Requirements :

- Stock entry and inventory management.
- Real time tracking of stock levels.
- Automatic reorder notifications.
- Supplier & order management.

4. Interface Requirements :

The system will feature an intuitive dashboard for managing inventory, stock levels, and suppliers. Users can access stock reports and reorder products through a user-friendly interface.

5. Performance Requirements :

The system should be capable of processing stock updates in real time handle multiple users concurrently and provide up-to date inventory information within 2-3 seconds.

6. Design constraints :

The system must integrate with existing supply chain management tools and operate within a 3-month development timeline, constrained by a moderate budget.

7. Non-functional Attributes :

Key non-functional features include security for transaction data, scalability for handling larger inventories, and reliability for continuous stock monitoring.

8. Preliminary schedule & Budget :

The project will be completed within 3 months, with a budget of INR 2,50,000, covering system development, testing, and deployment.