

## 2) stock maintenance system (sms)

### 1. Introduction

#### 1.1 purpose of this document

This document outlines the requirements for a stock maintenance system that manages product inventories, reorders, and stock levels.

#### 1.2 scope of this document

The sms aims to help businesses maintain and track inventory, optimizing stock levels and alerting when reordering is necessary.

#### 1.3 overview

The system will allow businesses to monitor stock, track products, and generate inventory reports.

### 2. General description

The sms will be used by store managers to monitor product availability and manage reorders efficiently, ensuring that products are always in stock.

### 3. Functional requirements

Product registration and inventory tracking  
stock level monitoring & reorder alerts  
Report generation on stock status.

### 4. Interface requirements

web interface for stock management  
database for product data & stock history.

### 5. Performance Requirements

Handle up to 1,00,000 product entries  
update stock levels in real time

### 6. Design constraints

System should be compatible with existing  
ERP systems.  
Works on standard business hardware & sw

### 7. Non-Functional Attributes

Security : Restricted access to authorized personnel  
Reliability : Maintain accurate stock levels with  
99.8% uptime.

### 8. Preliminary schedule & Budget

Development period : 5 months

Estimated budget : \$20,000