

# Stock maintenance system

## 1. Introduction:

### Purpose of this document:

To provide a detailed outline of the stock maintenance system that manages inventory levels and stock reports for businesses.

### scope of this document

The system will be responsible for tracking stock levels, managing orders and generating real-time reports. This document outlines the development time and cost.

### Overview:-

The stock maintenance system will track inventory alert users when stock is low, and generate stock reports for management.

### General Description

The system will be used by warehouse staff and managers to track incoming and outgoing stock. It ensures efficient inventory control and prevents stock deficiency.



## Functional Requirements

- stock level monitoring
- Automatic low-stock alerts
- stock report generation.
- supplier and order management.

## Interface Requirements:

- Web based interface for stock management
- Integration with point-of-sale systems
- API for supplier communications

## Performance Requirements:

- Handle upto 10,000 stock items.
- Generate reports within 5 seconds
- Less than 1% system downtime.

## Design Constraints:

- Must support multiple warehouse locations.
- Ensure compatibility with existing point-of-sale software
- Restriction to standard inventory formats.



## Non-Functional Attributes

- Reliable with 99.5% uptime
- Data security for stock levels
- Scalable for large inventory

## Preliminary Schedule and Budget:

- Development time: 4 months
- Estimated budget: ₹ 3, 20, 000