Stock Maintanance System

1) Introduction

1.1 purpose of this document: The purpose of this SRS document is to outline the requirements for stock Maintanance system. This document serves as a communication tool between stakeholders, including customers, project managers, and development team's.

1.2: The stock Maintanance system is designed to streamline inventory management for business, enhancing efficiency and accuracy. This document describes The overall working of SMS, highlighting its objectives to minimize stock discrepancies and optimize stock levels. The anticipated development time is approx six months, with an estimated budget of 50,000, This system will provide value to customer.

1.3 Overview

The SMS is a web-based application that allows the businesses to manage their inventory seemlessly. It inclu features such as stock tracking, automated alerts for low inventory, and comprehensive reporting capability.

2) General description:

The SMS is designed for inventory managers & warehouse staff who require efficient tools for managing stock level key features include.

stock tracking: Realtime visibility into stock levels

Automated alerts: Notifications for low stock reordering.

Reporting tools: detailed analysis for informed decision.

3) Functional Requirements

1. user authentication.
2. inventory Management:
3. low stock alerts.

4) reporting:

5) search functionality

4, interface Requirement
user interface: web based dashboard to interact
Database: a relational database for storing stock in
APIs: Integration with supplier for order managem

5) performance requirement.
- Response time • concurreny: • data integrity

6) Design constraints:
Technology stack: use JS for fontend & Node.js for bac
Database: MySQL
compatibility: compatible with major web browser.

7) Non-functional:
- security.
- reliability.
- scalability
- portability.

8) preliminary schedule & budget
phase 1: req gathering (2 weeks)
phase 2: system design architecture (3-weeks)
phase 3: development (4 weeks)
phase 4: testing (2 weeks)
phase 5: deployment (1 week)