SRS for Stock Maintenance System [SMS]

- **Goal:** Develop a software interface for SMS.

1. Introduction:

→ **Purpose:** Define specs for a SMS development.

→ **Scope:** Details system objectives like efficient stock management & improved tracking.

→ **Overview:** A system designed for accurate stock inventory management with functionalities for entry, tracking, movement & reporting.

2. General description:

→ **Stock Entry:** Allows users to add new stock items to the inventory.

→ **Stock Tracking:** Provides real-time tracking of stocks.

→ **Stock Movement:** Enables the users to track the movements of stocks within the organization.

→ **Reporting:** Generates reports on stocks-related activities

3. Functional Requirements:

→ Stock Entry.

→ Stock Tracking.

→ Stock Movement.

→ Reporting.

4. Interface Requirements:

→ **User Interface:** Intuitive & user-friendly interface for easy navigation & data entry.

→ **System Interface:** Integration with bar-code scanners for efficient stock entry & tracking.

5. Performance Requirements:

→ Response Time: Quick response time for stock-related queries & transactions to ensure user productivity.

→ Scalability: Ability to handle a large volume of stock items & transactions as the business grows.

6. Design Constraints:

→ Platform Compatibility: Compatibility with various users OS & web browsers to ensure accessibility across different devices.

→ Hardware Limitations: Optimization for both desktop & the mobile devices to support users in different environments.

7. Non Functional Attributes:

→ Reliability: Reliable backups & recovery mechanisms to prevent data loss & ensure system availability.

→ Security: Implementation of access controls & encryption mechanisms to protect sensitive stock data from the unauthorized access.

→ Performance: Efficient performance to handle concurrent users & large datasets without compromising speed or responsiveness.

8. Preliminary Schedule & Budget:

→ Development estimated to take approximately 4 months.

→ $40,000 budget.