Stock Maintenance System

1) Introduction:

Purpose - The document enables the reader to understand the system objectives & requirements along with functionalities & constraints.

Scope - It includes features & functionalities related to stock management such as tracking, order processing & reporting.

Overview - This aims to optimize inventory management by automating stock tracking.

2) General Description:

* Objectives - Users can track stock levels, manage orders & generate reports.

* User characteristics - The system is used by various users including managers, sales personnel and administrators.

* Features - These include real-time stock update, low-stock alerts & order history tracking.

* Importance - The SRS is important for maintaining efficient stock levels, reducing carrying costs & improving overall business operations.

3) Functional Requirements:

* User Authentication - User must log in to access the features.

* Inventory Management - User can add, edit and delete stock items including details like price & quantity.

* Stock level tracking - System should automatically update stock levels based on sales.

* Order processing - Users can create, view & edit purchase & sales order.

* Notifications - Users must receive notifications about low stock levels & pending orders.
* Reporting - Users can generate reports on how to increase stock gains, orders & sale trends.

4) Interface Requirements :-
* User-interface : Web-based interface for accessing orders and checking stock values.
* Admin-interface : For updating stock market details.
* Communication protocols - For secure data transmission.

5) Performance Requirements :-
* System should respond queries within 2 seconds.
* Should support a large number of users accessing at the same time.
* Error rate should be low.

6) Design Constraints :-
* Should be compatible with existing hardware.
* Must follow data protection regulations.

7) Non-functional Attributes :-
* Reusability - It should run on all devices.
* Security - All the data must be secure and adhere to data protection protocols.
* Reliability - Data must be real-time & updated regularly.

8) Preliminary Schedule :-
Requirement specification - 4 weeks
Design and development - 5 weeks
Testing - 3 weeks