Stock Maintenance System

1. Introduction

1.1 purpose
The stock maintains sys (SMS) maintains inventory details and streamlines stock tracking

1.2 Document Convention
This document to standard SRS structure

1.3 Intended Audience
The sys is for warehouse managers, sales, staff and developers.

1.4 project scope
The system reduces manual stock handling, prevents shortage and Ensures timely updates of inventory.

1.5 Reference
Inventory management best practices, IEEE SRS guides

2. Overall Description

2.1 product perspective
The system provides real-time stock manage integrated with a Central database.

2.2 product funtion
Stock Entry, update, reorder alerts f report Generation

2.3 Operating Environment
Desktop/web application with database Backend.

2.4 Constraints
system must handle concurrent access.

3. Specific Requirements

3.1 funtional Requireme
→ Add and update sto
→ Track stock levels
→ Generate purcha
→ produce sales

3.2 External Inter
→ Barcode Scan
→ Database and

3.3 System fe
→ Real-time
→ low Stock

3.4 Non-fun
→ 24/7 avai
→ Secure d
→ Accu

4. Appen

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SMS SK

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3. Specific Requirements

3.1 Functional Requirements

→ Add and update stock items.
→ Track stock levels with alerts when below
→ Generate purchase orders
→ produce sales & inventory reports.

3.2 External Interface Requirements.

→ Barcode Scanner Support
→ Database and reporting modules.

3.3 System features

→ Real-time Stock trading.
→ low Stock notification.

3.4 Non-functional Requirement

→ 24/7 availability.
→ Secure data Storage.
→ Accuracy tolerance $< 1\%$

4. Appendices

4.1 Glossary

SMS, SKU→Stock Keeping unit.

4.2 future Enhancement

Mobile app integration & AI-based demand forecasting.