

Software Requirements Specification (SRS)

Enterprise Inventory and Supply Chain Systems

Date: [Insert Date]

Version: 1.0

1. Introduction

1.1 Purpose

This Software Requirements Specification (SRS) provides a detailed description of the requirements for the Enterprise Inventory and Supply Chain Systems. The intended audience includes project stakeholders, developers, and testers.

1.2 Scope

The system will streamline inventory, order processing, and supply chain operations for large-scale enterprises, ensuring real-time data, accuracy, and efficiency.

1.3 Definitions, Acronyms, and Abbreviations

- **SKU:** Stock Keeping Unit
- **ERP:** Enterprise Resource Planning
- **SRS:** Software Requirements Specification

2. Overall Description

2.1 Product Perspective

The system is a web-based application integrated into the company's ERP platform.

2.2 User Classes and Characteristics

- Inventory Managers
- Warehouse Staff
- Supply Chain Analysts
- System Administrators

2.3 Constraints

- Compliance with enterprise IT policies
- Integration with existing ERP modules

3. Specific Requirements

3.1 Functional Requirements

1. The system shall allow users to add, edit, and remove inventory items.
2. The system shall track real-time inventory levels across all warehouses.
3. The system shall enable order placement and fulfillment tracking.
4. The system shall generate inventory and supply chain performance reports.
5. The system shall provide role-based access control.

3.2 Non-Functional Requirements

- Availability: 99.9% uptime
- Performance: Maximum 2 second response time for all user actions
- Security: User authentication and data encryption
- Usability: Intuitive UI for non-technical users

4. System Features

Feature	Description
Inventory Management	Add, update, and delete inventory items; view current stock levels.
Order Processing	Create, edit, and monitor customer and supplier orders.
Reporting	Generate and export reports on inventory, orders, and supply chain KPIs.
Notifications	Automatic alerts for low stock or delayed orders.
User Management	Assign and manage user roles and permissions.

5. Appendices

- Glossary
- Reference Documents
- System Architecture Overview