IMS

Requirements Gathering Document for Inventory Management System

Version 1.0.0

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1. Introduction

1.1 Purpose

This document captures the requirements gathered from the user for the development of an Inventory Management System. It outlines the user's needs, goals, and expectations, which will guide the design and implementation of the system.

1.2 Objective

To collect and document the functional and non-functional requirements, as well as the user's current challenges and desired outcomes for managing inventory efficiently.

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2. User Description

2.1 User Overview

- **Business Name**:
- **Industry**: Retail,
- **Business Size**: Medium
- **Current Inventory Management Process**:
  - Describe how inventory is currently managed (manual process, software, etc.).

    Explained in the Business requirement doc

  - Highlight any limitations or challenges in the current system.

    Explained in the Business requirement doc

2.2 User Role and Responsibilities

- **System Owner**: myself
- **Key Stakeholders**: Admin, Sales Team.
- **End Users:** Sales team, Admin.

2.3 User Goals and Expectations

- What are the primary objectives the user expects from the new system?
  - Efficient tracking of inventory (incoming and outgoing).
  - Improved stock level monitoring and alert system for reordering.
  - Integration with sales and purchasing processes.
  - Accurate reporting on inventory turnover, stock valuation, and other metrics.
  - The system can be used offline

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3. Gathered Requirements

3.1 Functional Requirements

Refer to the Functional Requirements doc

3.2 Non-Functional Requirements

Refer to the non-functional Requirements doc

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4. User Environment

4.1 Technology and Infrastructure

- **Current System**: None
- **Integration Needs**: N/A at the moment
- **Hardware and Network Setup**: Outline the hardware and network infrastructure used by the user (e.g., servers, cloud, on-premises hardware). Laptop, phone

4.2 Constraints

- **Budget**: Hosting fee
- **Access**: The system can be used offline
- **Timeline**: Define the expected delivery timeline for the system.

- **Compliance**: Include any regulatory requirements (e.g., industry standards, data privacy laws).

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5. Key Pain Points and Challenges

- **Current Inventory Challenges**:
  - Lack of real-time stock updates.
  - Over/under-ordering of stock due to lack of alerts or tracking systems.
  - Difficulty generating accurate reports for stock levels, sales, or purchases.
  - Inconsistent inventory tracking.
  - A single data entry or formula error can lead to significant inaccuracies in the data output.
  - Recording, updating, and reconciling inventory data manually can be inefficient.
  - Errors in recording quantities, product codes, or locations can impact accuracy.
  - The manual systems do not provide real-time visibility into inventory levels.
  - Manual systems prove difficulty in generating accurate reports for stock levels and sales purchases

- **Desired Improvements**:
  - A centralized system that provides real-time updates and reports.
  - Automation of ordering and alerting for low stock.
  - System can provide sales and accounting services for seamless inventory tracking.
  - Comprehensive reporting and analytics for forecasting.
  - A user-friendly interface that reduces manual intervention.
  - System can work both offline and online

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6. User Suggestions

- **Requested Features**:
  - A barcode scanning feature for updating stock levels.
  - Ability to categorize inventory by type, supplier, or warehouse location.
  - Mobile friendly app for warehouse staff to update stock on the go.
  - Automated reordering system based on stock thresholds.
- **Additional Requests**:
  - Customizable reporting (daily, weekly, monthly reports).
  - Dashboard view for high-level inventory monitoring.
  - Ability to handle returns and damaged goods tracking.

7. Assumptions and Dependencies

- **Assumptions**:
    - The user will provide all necessary access to current systems for integration.
    - Adequate training will be provided to all system users after development.
- **Dependencies**:
    - Dependence on third-party systems (e.g., sales or ERP systems) for integration.
    - Availability of hardware or cloud infrastructure to host the system.

8. Conclusion

This document captures the core requirements and challenges for developing an effective Inventory Management System.

Signature and Approval

Role	Name	Signature	Date
Dev			
Client/User			