STOCK MAINTENANCE SYSTEM SRS

Introduction

The Stock Maintenance System is a software application that manages the inventory of a retail store. The purpose of this document is to provide a comprehensive description of the requirements for the Stock Maintenance System.

Purpose of this Document

The purpose of this document is to provide a clear and detailed description of the requirements for the Stock Maintenance System. This document will be used as a basis for the development of the software and will be used as a reference throughout the project.

Scope of this document

This document will define the requirements for the Stock Maintenance System. It will cover the functional requirements, interface requirements, performance requirements, design constraints, non-functional attributes, and preliminary schedule and budget for the development of the software.

Overview

The Stock Maintenance System is a software application that will be used by a retail store to manage their inventory. The software will allow the store to keep track of their inventory levels, receive alerts when inventory levels are low, and automatically order new inventory when necessary.

General Description

The Stock Maintenance System will have a database to store all inventory information.Users will be able to add new inventory items and track inventory movement.The system will have a reporting feature to generate reports on inventory levels and movement.

Functional Requirements

- The system should allow users to add new inventory items with relevant information such as item name, description, cost, and quantity.
- The system should allow users to view inventory levels in real-time and generate alerts when inventory levels are low.
- The system should automatically order new inventory when inventory levels are low.
- The system should be able to track inventory movement, such as sales or returns.
- The system should have a reporting feature that allows users to generate reports on inventory levels, inventory movement, and sales data.
- The system should allow users to edit and delete inventory items as necessary
- The system should provide a search function to easily find inventory items by name, description, or other relevant information.

Interface Requirements

- The interface should be user-friendly and easy to navigate.
- The system should have clear and concise menus and buttons to perform tasks.
- The system should have a dashboard that displays important information such as inventory levels, sales data, and alerts.

Performance Requirements

- The system should be able to handle a large amount of data without slowing down.
- The system should be responsive and have a fast response time.
- The system should be able to generate reports quickly.
- The system should be able to handle a large number of simultaneous users.
- The system should be able to process inventory updates and generate alerts in real-time.

Design Constraints

- The system should be designed to run on Windows operating systems.
- The system should be modular and scalable for future expansion.
- The system should have a secure database to store inventory information.
- The system should be designed to be compatible with a variety of hardware configurations.

- The system should have a clear and easy-to-understand user interface that minimizes the need for training.

Non-Functional Attributes

- The system should be reliable and have a low error rate.
- The system should be easy to maintain with clear documentation and easy troubleshooting.
- The system should be user-friendly and intuitive.
- The system should be secure and protect inventory information
- The system should be able to import and export inventory data in a variety of file formats.
- The system should be designed to minimize the amount of manual data entry required.

Preliminary Schedule and Budget

The development of the Stock Maintenance System is expected to take six months.

The budget for the development of the software is expected to be $100,000.

The project timeline and budget will be reviewed and adjusted as necessary throughout the development process.