**Software Requirements Specification (SRS)**

**Case Study: Inventory Management System**

**Functional Requirements:**

1. The system shall allow users to add, edit, and delete inventory items.
2. The system shall track the quantity of each inventory item in stock.
3. The system shall generate reports on inventory levels and usage.
4. The system shall be able to integrate with other systems, such as accounting and order management systems.

**Detailed Functional Requirements:**

**1. Inventory Item Management**

* The system shall allow users to add new inventory items by providing the following information:
  + Item name
  + Item description
  + Item category
  + Item supplier
  + Item cost
  + Item retail price
  + Item quantity in stock
* The system shall allow users to edit existing inventory items by changing any of the above information.
* The system shall allow users to delete inventory items.

2**. Inventory Tracking**

* The system shall track the quantity of each inventory item in stock.
* The system shall automatically update the inventory quantity when an item is sold or purchased.
* The system shall allow users to manually adjust the inventory quantity.

3. **Inventory Reporting**

* The system shall generate reports on inventory levels and usage.
* The reports shall include the following information:
  + Item name
  + Item quantity in stock
  + Item cost
  + Item retail price
  + Item sales history
* The reports shall be customizable to allow users to filter and sort the data.

4. **System Integration**

* The system shall be able to integrate with other systems, such as accounting and order management systems.
* The integration shall allow the system to automatically exchange data with the other systems.

**Additional Functional Requirements**

* The system shall be easy to use and navigate.
* The system shall be secure and protect user data.
* The system shall be scalable to accommodate a growing business.

This document is intended to serve as a starting point for the development of the inventory management system. The specific requirements may be modified or added to as needed.