Software Requirements Specification

Version 1.0

**Supermarket Automation Software**

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Supermarket Automation Software

# INTRODUCTION

## 1.1 Project Description

The main aim of the software is to automate the bill and inventory system in a supermarket. It covers the functional and non -functional requirements of a supermarket.

Whenever any item is sold from the stock of the supermarket, this software prompts the employer to pass the information regarding the item to the transaction system. During the sales transaction, the name of the item, code number, quantity, price and item price are entered into the bill. The bill indicates the total amount payable. The inventory is then updated. It replaces the current manual processes of billing and inventory management in a supermarket.

1.2 List of Actors

* Owner
* Manager
* Cashier
* SalesPerson
* Customer

1.3 Scope of Project

The supermarket automation software consists of the following major functions:

* Maintaining and updating the inventory of the various commodities of the supermarket.
* Creating and printing sales transaction bills.
* Displaying and printing the sales statistics of various commodities for any particular period.

1.4 References

* Github

**2. Overall Description**

2.1Functional Requirements

2.1.1Use Case

#### Example :Search Article

Brief Description

Whenever any customer purchases some items, the details of the items is passed to the cashier through the software and the bill is generated automatically and the inventory is updated simultaneously.

Initial Step-By-Step Description

Before this use case can be initiated, the Owner already has access to the stocks present in the Supermarket.

1. The customer purchases items according to his/her requirements and needs.
2. The details of the items is passed into the transaction system through the software
3. The system then generates the bill.
4. The inventory is updated .
5. The owner can have a check on the stocks and upgrade it accordingly.