4. Stock Maintenance System.

Problem Statement.

The stock maintenance system facilitates the activities in an inventory like adding, updating, removing, an item, from an inventory.

SRS.

1. Introduction
1.1. To define the functional and non-functional requirements by making sure efficient stock management.

1.2. To make the stock maintenance happen as smoothly as possible.

1.3. To be able to organize and access small and large inventories.

2. General description
Customers and groceries are the main customers of stock maintenance system. The benefits provided by the stock maintenance System are easy access, easy update, easy removal of items.

3. Functional requirements
* Display the quantity of all items.
* Alert the shortage of any item.
* Be able sort items based on different parameters.

4. Interface requirements
* Integration of the system with the pre-existing system.
* Providing a user friendly interface experience to the customers.
* Interfacing various payment and gateways.

5. Performance requirements.
* System should be able to store 3TB of data.

* Response time of the system should be less than 2 seconds.
* System should be able to handle large no. of orders at peak periods.

6. Design constraints
* System should not take multiple years for development and implementation.
* System should be able to integrate with other systems in a neat manner.
* Limitation in the no. of orders per minute.
* Limitation in the no. of transactions per minute.

7. Non fonctional Requirements
* The system should have a very easy to use interface.
* The system should be as accurate as possible with its calculation
* The system should have an attractive output page.

8. Preliminary Schedule and budget
* Plan: 5 days
* Development: 8 weeks.
* Deployment: 2 weeks.
* Testing: 1 week
* Hardware: $50,000
* Staff: $20,000.