

# **Software Requirements Specifications**

## **Introduction**

### Purpose :

The product is a perishable management system which is used in grocery stores, This requirement covers all the activities related to perishable management system and covers everything in handling perishable items.

### Intended Audience:

This Project is a perishable management system, the intended audience for this is the employees of the store which include the system administrator, manager, billing staff, inventory manager and other employees related to this.

### Product Scope:

The use of Perishable Management system is to handle the perishables in a store in successful manner to avoid wastage of perishable items. It is intended to manage the perishables in store effectively.

## **Overall Description**

### Product Perspective:

A client interface will be available for him to use to communicate with the perishable management system. It is a web-based interface where the user can submit their login information after being forwarded to a login page. If the login information is accurate, the user is directed to a home page with a list of every user login and admin login . The client interface includes all of the aforementioned activities.

The admin will have access to a GUI-based administrative interface. The user can create accounts in the database and view the items available in the store. They can book the items and the admin gets to know how many items have been booked and which user has booked the items.

#### Design and Implementation Constraints:

The design which we have created is user-friendly. The languages which have been used are in Perishable management:

Front-end : Streamlit

Back-end : Python, MySQL

Database : Relational database

#### **External Interface Requirements**

##### User Interfaces :

We provide easy-to-use interfaces for each of the functionalities provided by Perishable Management, that includes check-box and select-box to navigate between the pages and to perform other required operations.

##### Hardware Interfaces:

- Standard PC
- 256MB RAM and 1GB hard disk space

## Software Interfaces:

### Front End Client:

The system is a web-based application , hence clients are required to use any web browser such as Google Chrome, Mozilla Firefox, safari .

The client should be connected server and It should have Internet in the that device or pc.

### Back End:

MySQL will be used for processing and retrieval data from the database.

## **Functional Requirements :**

The product's functional overview is provided in this section.

Python will be needed for the project, along with Streamlit for the front end and MySql for the back end. The numerous functional modules that the product will incorporate are

1. Login
2. User signup
3. Admin login
4. Filtering based on lifespan

**Non Functional Requirements:**

- Performance Requirements
- Safety or Security Requirements
- Availability
- Reliability
- Maintainability