



# **Departmental Store Management System**

## **Software Requirement Specification (SRS) Document**

### **Sprint Implementation**

**Project Timeline: 24.08.2022 to 29.08.2022**

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## **1 Introduction: -**

The introduction of the software requirement specification provides an overview of the entire software. The entire SRS with overview description purpose, scope, tools used and basic description. The aim of this document is to gather, analyze and give an in-depth insight into the complete Departmental Store Management System by defining the problem statement in detail.

The detailed requirements of the Departmental Store System are provided in this document.

**1.1 Purpose:** -The purpose of this document is to describe the requirements at departmental store holding a clearance sale post COVID era. It follows strict instructions from the government for COVID protocols.

**1.2 Intended Audience:** -This document is intended to be read by, Client.

### **1.3 Intended Use: -**

- Development Team
- Maintenance Team
- Clients

**1.4 Scope:** -This project aims to create the departmental store system that follows government COVID protocols is to assist any organization in storing and retrieving all the information about a pre-existing customer in a way more robust and efficient manner. All the information about a particular customer is stored in a retrievable manner.

## **1.5 Definition and Acronyms :-**

1. Client: The user who is going to use this software.
2. Product\_Master.txt: The file where all the Product information get stored.
3. Sales\_Transaction.txt: The file where all the Sales transaction get stored.

## **2. Overall Description: -**

A Departmental store management application tracks your Sales and product information. It is a file for the communications you make daily, including product names, product code, product quantity, billing counter and customer details. You can use a customer details and product details to easily organize and find all the information linked to departmental store. The application integrates all your product information for different orders. The main purpose of departmental store management is to record and organize your product and customer details by following COVID protocols.

### **2.1 User Needs: -**

#### **Customer:**

- Customer name
- Customer age
- Product code
- Quantity of product

#### **Departmental employee:**

- Add Product
- Delete product
- Edit Product
- View Product

### **2.2 Assumptions and Dependency: -**

- User has the latest version of Ubuntu Linux/Windows installed.
- Client has either an 4GB or more RAM.
- The service is used preferably on a desktop or laptop.

### 3. System Features and Requirements: -

#### 3.1 Functionality of Departmental store Employee:

**DSE\_01 a. Add product record:** This feature adds a new product record to the file. It asks for the product code, name of the product, Units of product available, zone code whose record is to be added. Upon successful creation of a new product record, the Departmental store management system program displays the message – “Product successfully added.” If new product name is blank then display the message- “Product name should not be blank.”

**DSE\_02 b. Edit product record:** This simple feature allows employee to edit the product name and product quantity corresponding to a particular product record. If the product which is to be edit and it is not found in product file it displays the message- “Product does not exist”.

**DSE\_03 c. Delete product record:** This feature deletes added product record from the file. The user needs to provide the product code to be deleted from Departmental store management system. Upon successful deletion, it displays the message – “Record deleted!”. If the product code provided is not found in file, the program displays the message – “product doesn’t exist!”

**DSE\_04 d. View product record:** This feature enables to view the records from the file.

#### 3.2 Functionality of Sales transaction

**DST\_01 a. Add Customer record:** This feature adds a new Customer record to the file. It asks for the Customer name, Customer Age, Product code, Quantity of product. On the bases of age customer will be send to different queues.

**DST\_02 b. Sales Report:** This feature shows details of daily sales record.

**DST\_03 c. Hotcake Report:** This feature shows details of the product has been sold maximum in a day from daily sales record.

### **3.3 System Requirements: -**

#### **Tools to be used:**

- C File Handling
- C Language
- Valgrind
- Splint
- Cunit
- Gcov
- GIT
- Gprof
- Cloud System
- IP address : 34.133.94.211

### **3.4 System Features: -**

- **Supportability:** The system is easy to maintain.
- **Design Constraints:** The system is built using only C language.
- **Usability:** Departmental store management is essential for keeping digital departmental records of Product. Departmental store management is the process of storing and maintaining the records of product and Sales details. It also provide functionality to follow the COVID guidelines
- **Reliability & Availability:** The system is available for the user to access product of departmental store.
- **Performance:** The system will work on the user's terminal.