



# **Departmental Store Management System**

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

### **Sprint Implementation**

**Document Control :**

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# Software Requirements Specification

## **1.Introduction: -**

Software Requirements Specification is the Starting part of Software Development activity. Departmental Store Management (DSM) system provides businesses with the ability to computerize, systematize and correlate retail information. The aim of this document is to gather, analyze and give an in-depth insight into the complete Departmental Store Management system by defining all the requirements in detail. The SRS is the medium through which the client and the user needs are accurately specified. The entire SRS with overview description purpose, scope, definition and acronyms basic description. The intended audience includes developers, testers, project manager and the client. The detailed requirements of the Departmental Store System are provided in this document.

### **1.1 Purpose: -**

The purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals. This document describes the project's target audience and its users and software requirements. It defines how our client, team and audience see the product and its functionality. The main Purpose of developing departmental store management system is to build a user friendly, efficient and robust system that will handle all transactions related to the store. The DSMS i.e. Departmental Store Management System will record details of all products and information relating sales and current stock of those products. All the information will be stored in consistent and structured format which will allow easier retrieval of data.

### **1.2 Intended Audience: -**

This document is intended to read by developers, testers, project managers and customers. This is a technical document, and the terms should be understood by all of them.

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

- Development Team
- Maintenance Team
- Clients

### **1.4 Scope: -**

The standard can be used to create software requirements specifications directly or can be used as a model for defining a organization or project specific standard. It does not identify any specific method, nomenclature or tool for preparing an SRS. The scope of this project to develop

software which will store data about their different products, their manufactures, product's Inventory status, customer records and product records. A department store management system is a retail establishment which specializes in selling a wide range of products without a single predominant merchandise line.

### 1.5 Definition and Acronyms:-

**Definition:** Development of user friendly Departmental Store Management system that provides solution for storing product information, their sales, total stocks, orders and delivery information, customer accounts information, payments etc. Developing a software the will be useful to the store administrators. Understanding the system properly so that all it's problems are identified correctly. A system with an easy interface will always help the user to use the system.

#### Acronyms:

1. Admin: 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.

### 1.6 References

- [http://www.academia.edu/6967044/Software\\_Requirements\\_Specification\\_for\\_Po\\_int\\_Of\\_Communication\\_Sale\\_System](http://www.academia.edu/6967044/Software_Requirements_Specification_for_Po_int_Of_Communication_Sale_System) (Last Access : 22/02/2017)
- System Requirements Specification Document
- <https://www.geeksforgeeks.org/basics-file-handling-c/>
- <https://www.geeksforgeeks.org/how-to-use-make-utility-to-build-c-projects/#:~:text=Makefile%20is%20a%20set%20of,of%20times%20by%20usin g%20Makefile.>

## 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. Possibly the thing you'll love the most about a Departmental store management system is the time it will save you.

### DSM System is perfect for retail stores, just like

- ☐ Fashion boutiques
- ☐ Home & Lifestyle
- ☐ Health & Beauty

- ☐ Sports & Outdoors
- ☐ Food & Drink
- ☐ Coffee Shops
- ☐ Computer Shops
- ☐ Bike Shops
- ☐ And Many More....

## **2.1 User Needs: -**

### **Customer:**

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

### **Departmental employee:**

- Add Product
- Delete product
- Edit 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. The system is easily accessible on any LINUX system, and it can be managed efficiently.

- **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.
- **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.

### 3.5 Usability

The system is user-friendly by avoiding user to know the Linux Command for search operations.

Based on menu – driven or console.

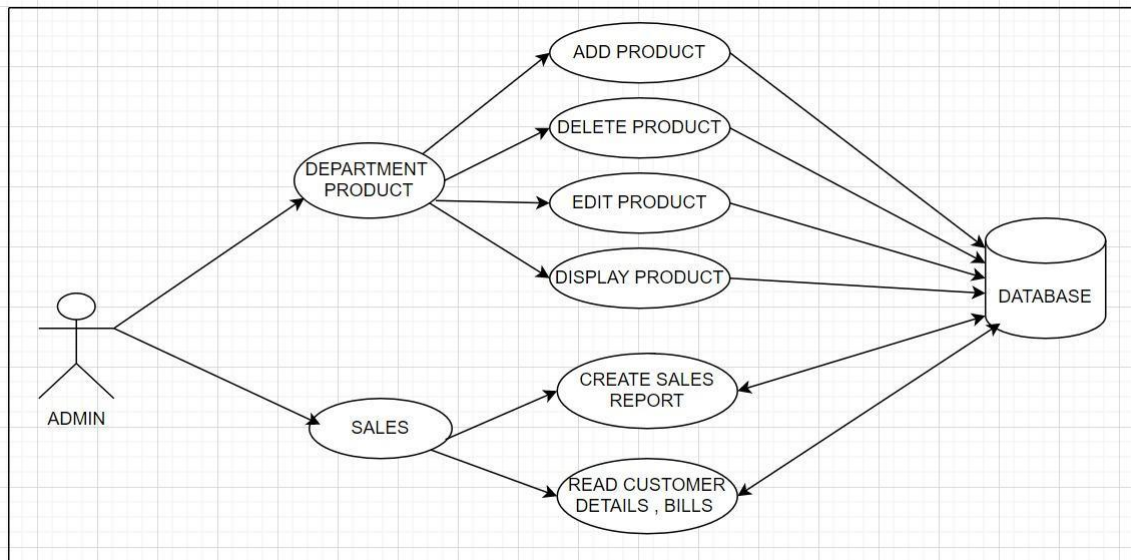
### 3.6 Reliability & Availability

The system is available when the user is requested for service.

The system is available 24/7.

The system has a very low failure rate.

### 3.7 Use Case Diagram





### **3.8 Online user Documentation and Help System Requirements**

Stable Network Connection,  
System with Linux Terminal.

### **3.9 Purchased Components**

Not Applicable.

### **4.0 Licensing Requirements**

Not Applicable

### **4.1 Legal, Copyright, and Other Notices**

All rights reserved.

### **4.2 Applicable Standards**

Industry standard.

### **4.3 Supporting Information**

Use case Diagram