

SHOPDROP

Software Requirements Specification (SRS)

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TABLE OF CONTENTS

1. PROJECT PROFILE	03
2. INTRODUCTION	04
2.1 PURPOSE	04
2.2 SCOPE	04
2.3 DEFINITIONS, ACRONYMS, ABBREVIATIONS	05
3. OVERALL DESCRIPTION	05
4. SPECIFIC REQUIREMENTS	05
4.1 SOFTWARE REQUIREMENT SPECIFICATION	05
5. FUNCTIONALITY	
5.2 FUNCTIONALITY	06
5.3 USABILITY	07
5.4 PERFORMANCE	07 4.5
5.5 SECURITY	08
5.6 DESIGN CONSTRAINTS	08
5.7 INTERFACE	08
5.8 LICENSING REQUIREMENTS	09
59 APPLICABLE STANDARDS	09

1.project profile:

Project Title:	SHOPDROP
Platform:	Desktop / Windows Application
Technology:	Visual Studio with C# Language
Database Management System:	Microsoft SQL Server
Operating System:	Windows8, Windows 10

2.INTRODUCTION

Supermarket is the place where customer come to purchase their daily using products and pay for that. There is a need to calculate how many products are sold and generate the bill for the customer. In our project we implement that , we have two users. Stock manager is the administrator who manage the stock section and purchase return. And other one Bill calculating operator who manage the billing and sales report.

2.1 Purpose

To develop a fully functional and user interactive desktop Application which can be used to manage all the activities in a shop effectively and efficiently

2.2 Scope

Our project has a big scope to do .we can:

1. Calculate the bill.
2. Give bill to the customer
3. Store how many products are sold
4. Store products and their prices and with other information
5. sales return
6. purchase return.

This application Desktop focuses on the shop which helps to manage all solution for supermarket billing . Through this application customer can purchase items that they need, also help the customer to return the product if they are not satisfied . The admin can manage the stock by adding ,updating stocks . This SRS describes all the requirements and functionalities of the application which can be used to develop and validate the product.

2.3 Definitions, Acronyms, and Abbreviations

SQL - Structured Query Language

IDE – Integrated Development Environment

SD -Shop Drop

3. DESCRIPTION OF EXISTING SYSTEM:

SD is a Windows based application which can be used to manage all the shopping billing activities in a shop. In this application customer can buy products (purchase) physically. . There is a need to calculate how many products are sold and generate the bill for the customer. In our project and implementation we have 2 users. Stock manager will manage stock section by adding stock to the shop ,updating stocks etc. Also stock manager have the area to manage purchase return. Accountant have to manage the billing section, sales return. Also admin can see the monthly sales report.

4 .SPECIFIC REQUIREMENTS

4. 1. Software Requirements:

Operating System: Windows 8, Windows 10

Technology : Visual Studio with C# programming language.

Database Management System : Microsoft SQL Server

4.2. Hardware Requirements:

Processor: i3

Hard Disk: 1 TB

Memory: 4GB RAM

5.2 Functionality

The SD system is used to maintain a healthy relationship between the customer and the store managers by providing transparency in the **billing system** which validates that exact price has been quoted for the purchases. It ensures and provides ease of **payment** to customers. This subsection contains the requirements for the Super market billing Application. All these functional requirements can be traced using tractability matrix.

5.2.1 Registration:

SD application have two users .one is Store manager(Admin) who enters the home by entering valid username and password. The second user (accountant) must be registered in the application. If the accountant(billing operator) who haven't any registration or account ,he/she must be register for the login.

5.2.2 login

Accountant logs in to the system by entering valid user id and password. without the login section billing operator can't handle the billing operation.

5.2.3 Accountant(billing operator):

Account can produce bill for the customer purchase. Also manage the sales return .sales return means product sent back by a buyer to the seller, because of the defective goods, wrong items shopped, excessive quantity of goods. Accountant can also manage the sales report, through the sales report they can see monthly report.

5.2.4stock manager

Stock manager mainly manage the area of stocks of the products. They can add ,update ,view the products in the market(in the SD application).Also manage the purchase return. A purchase return transaction is when the buyer of merchandise, or other items sends these goods back to the seller. Because of the seller sent the wrong goods, The goods have proven to be inadequate in some way.

5.2.5 Payment

In this system we are dealing the mode of payment by cash ,debit card etc.

5.2.6 logout

After ordering or purchasing the product customer has to logout.

5.3 Usability

5.3.1 Graphical User Interface

The system shall provide a uniform look and feel between all the interfaces. The system shall provide a digital image for each item in the item catalog. The system shall provide use of icons and toolbars.

5.4 Performance

The product shall be windows based and must be run on the standalone computer system.

The product shall take initial load time depending on the performance of the computer system used by the users. The performance shall depend upon hardware components of the client/customer.

5.5 Security

5.5.2 Data Transfer

The system do not support transfer of data to another systems or networks.

5.5.2 Data Storage

The software shall never display a accountant password. It shall always be echoed with special characters representing typed characters. The passwords are stored in encrypted format. User privileges to access the data are restricted according to the needs. Database security is maintained as per the standards.

5.6 Design Constraints

5.6.1 Standard Development Tools

The system shall be built using a standard windows desktop application development tools like Visual Studio with C# language. It will use Windows Forms to develop the user interfaces.

5.6.2 Standalone/Desktop Application

The computers must be equipped with Windows operating system. Response time for loading the software depends on the hardware and software speciation of the computer system. A general knowledge of basic computer skills is required to use the product.

5.7 Interfaces

There are many types of interfaces as such supported by the Shopping Application software namely; User Interface, Software Interface and Hardware Interface.

5.7.1 User Interfaces

The user interface for the software shall be compatible to Windows operating system by which user can access to the system. The user interface shall be implemented using any tool like Windows Forms and C# Language. Visual Studio is used as IDE.

5.7.2 Hardware Interfaces

Since the application has a facility to print shopping receipt, hardware interface to printer is necessary.

5.7.3 Software Interfaces

The Shop Drop software will run on the windows operating system. For database management, it need to connect to the Microsoft SQL server.

5.8 Licensing Requirements

Not Applicable

5.9 Applicable Standards

It shall be as per the industry standard.