



Software Requirement Specification (SRS)

Task : *Grocery store*

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1. Introduction

1.1 Purpose

- This document is meant to describe the features of Grocery Store, so as to serve as a guide to the developers on one hand and a software validation document for the prospective client on the other.

1.2 Scope

- This system allows the users to buy products from the grocery store as per their needs by maintaining their cart for adding and removing the products.
- The system also allows the admin to manage the products, users and their orders.

1.3 Definitions

- SRS - Software Requirement Specification

1.4 Overview

- This system provides an easy solution for customers to buy the product without going to the shop and also to shop owner to sale the product.
- This proposed system can be used by any native users and it does not require any educational level, experience or technical expertise in computer field but it will be of good use if user has the good knowledge of how to operate a computer or smartphone.

2. Overall Description

- The grocery store application enables the customers to browse the products of the grocery store and purchase them as per their needs by registering/signing up on the grocery store.
- It also have a admin that manages all the other essential store operations such as adding new products, deleting products, cancelling placed orders etc..
- Also the developer is designing an online store to manage the items in the shop and also help customers to purchase them online without visiting the shop physically.

2.1 Product Perspective

- This product aimed toward a person who don't want to visit the shop as he might don't get time for that or might not interested in visiting there and dealing with lot of formalities.

2.2 Product Functions

- Grocery store should follow all the requirements from the requirement gathering doc.
- Grocery store should support use case diagrams.

Grocery store consist of the following users :

- Admin
 - Admin can manage all the products of the grocery store.
 - Admin can add, delete, view all the products available in the store.
 - Admin can manage all the customers registered on the grocery store.
 - Admin can delete a customer, view list of customers.
 - Admin can manage all the orders of the customers
 - Admin can check the current balance of the store wallet
- Customer
 - Customer can register,login on the grocery store.
 - Customer can view, search for the products on the store.
 - Customer can check their wallet balance

- Customer can top-up their wallet balance
- Customer can check their order history
- Customer can purchase any product from the store
- Customer can pay to the store admin for placing any order on the store

2.3 User Characteristics

- User should be familiar with the terms like login,signup,order etc..

2.4 Principle Actors

- 2 Principle Actors are Customers and the Administrator

Customer

- The customer's can login/logout the System.
- He/She can view his/her product details and buy their product.
- The customer can just view the information whereas he/she could not make changes in the database.

Administrator

- The administrator plays a vital role in the Online shopping system.
- The administrator controls the entire database.
- The main role of the administrator is to safeguard the database and can add/delete the products from the database.

3. Specific Requirements

3.1 Functional Requirements:

- This section provides requirement overview of the system. Various functional modules that can be implemented by the system will be -

3.1.1 Registration

- If customer wants to buy the product then he/she must be registered, unregistered user can't order items through the grocery store.

3.1.2 Login

- Customer logs in to the system by entering valid user id and password for the shopping through the grocery store.

3.1.3 Changes to Cart

- Changes to cart means the customer after login or registration can make order or cancel order of the product from the shopping cart.

3.1.4 Payment

- In this system we are dealing the mode of payment by Cash. We will extend this to credit card, debit card etc in the future.

3.1.5 Logout

- After successfully placing the order on the grocery store the customer can logout from his account.

3.2 Non-Functional Requirements:

- Various Non-functional modules that can be implemented by the system will be -
 - Secure access to consumer's confidential data.
 - 24X7 availability.
 - Better component design to get better performance at peak time.
 - Flexible service based architecture will be highly desirable for future extension.
 - Security
 - Reliability
 - Maintainability
 - Portability
 - Extensibility
 - Code re-usability
 - Hardware Compatibility
 - Efficient Resource Utilisation

4 . Interface Requirement

Various interfaces for the grocery store could be

- Login Page
- Registration Form
- Displaying information about product that the store have.
- If the customers select the item to purchase it, then another screen with payment options will be displayed to complete the order.
- After ordering for the product,the system will update the user order details.

Software Interface :

1. Operating System : Ubuntu 20.04
2. Database : MySQL

Hardware Interface :

Minimum hardware requirements will be same for both parties which are as follows:

Processor : Dual Core

RAM : 1 GB Ram

Hard Disk : 60 GB