

Software Require Specification(SRS)
for
Online Grocery Shoping(OGS)

Prepared by - Team 9 Juhu

1.Introduction

1.1 Purpose

The purpose of this document is to define the Specification and Requirement for the Online Grocery Shopping(OGS).

1.2 Scope

The function of the Online Grocery Shopping is to bring the supermarket online so that user can order grocery any time anywhere. User can use smartphone or a laptop to place his/her order. User can add any product from any listed grocery store after checkout from the shopping cart order will be delivered at the doorstep. User will be having different payment option like online wallets, debit card and cash etc.

1.3 Overview

Rest of the SRS contains:

Section 1.4 includes Definitions.

Section 2 includes General Description.

Section 2.1 includes Product Perspective.

Section 2.2 includes Product Function.

Section 2.3 includes User Characteristics.

Section 3 includes Specific Requirements.

Section 3.1 includes Functional Requirements.

Section 3.2 includes Non-Functional Requirements.

Section 3.3 includes Constraints.

1.4 Definitions

- Customer:

Means a person who has registered with Online Grocery Shopping availing the features of buying grocery online and who has accepted the Terms and Conditions and, has access to an internet compatible device that support the Online Grocery Shopping.

- Grocery Store Owner:

Means a person who has registered with Online Grocery Shopping to sell his products on the Online Grocery Shopping by accepting the Terms and Conditions.

- Delivery Person:

A person who has registered with Online Grocery Shopping to deliver the orders from grocery stores to the user doorstep quickly.

2. General Description

2.1 Product Perspective

It is a web based or an android/iOS application implementing client-server model. The Online Grocery Shopping provides simple mechanism for user to buy/sell grocery.

2.2 Product Function

Allow the user to see the product list and add the product to the cart which they like to purchase.

Modification in all the function like cart, location and payment option. Payment through online or cash. Delivery to the doorstep of the user.

2.3 User Characteristics

There are several users of the Online Grocery Shopping

- Customer

Education level of customer can be low or average.

Technical Expertise little

Experience None

- Grocery Store Owner

Education level of grocery store owner can be average.

Technical Expertise little

Experience little

- Delivery Person

Education level of delivery person can be low or average.

Should know the map and different routes of their city.

Technical Expertise little

Experience little

3. Specific Requirements

3.1 Functional Requirements

Functional Requirement 1

- Description:
Login to Online Grocery Shopping (Check account exist or not).
- Input:
Enter the details like, mobile number and password.
- Processing:
Checking whether account exist or not.
- Output:
Account doesn't exist. You have to sign in to create a Online Grocery Shopping account.

Functional Requirement 2

- Description:
Customer can view the grocery items.
- Input:
Customer will enter the keyword of the items in search option.
- Processing:
Checking the database whether the items are in the stocks or not.
- Output:
If items are in the stocks display the items and if not then display items are out of stocks.

Functional Requirement 3

- Description:
Grocery Store Owner will update the stocks.
- Input:
Grocery Store Owner will add/delete the items which are out of stocks.
- Processing:
Updating the database as per input.
- Output:
Updated product list will be shown to customer.

Functional Requirement 4

- Description:

Customer will add product to their cart and will checkout.

- Input:

Customer will search the product and add the product to the cart when he/she will checkout then also input some details like, name, mobile number and location etc.

- Processing:

After customer fill the details and checkout grocery store owner will receive the list of the product and owner will confirm and pack the order and handover to the delivery person.

- Output:

After the customer confirm the order customer will get notification that order is confirmed and will be delivered shortly.

3.2 Nonfunctional Requirements

- **Availability**

The Online Grocery Shopping server should be working condition 24*7 without any problems.

- **Security**

Online Grocery Shopping should provide maximum security. User data like name, password, account balance transferred over safely using high level encryption.

- **Maintainability**

Easy to maintain means easy to correct any error occur in the project.

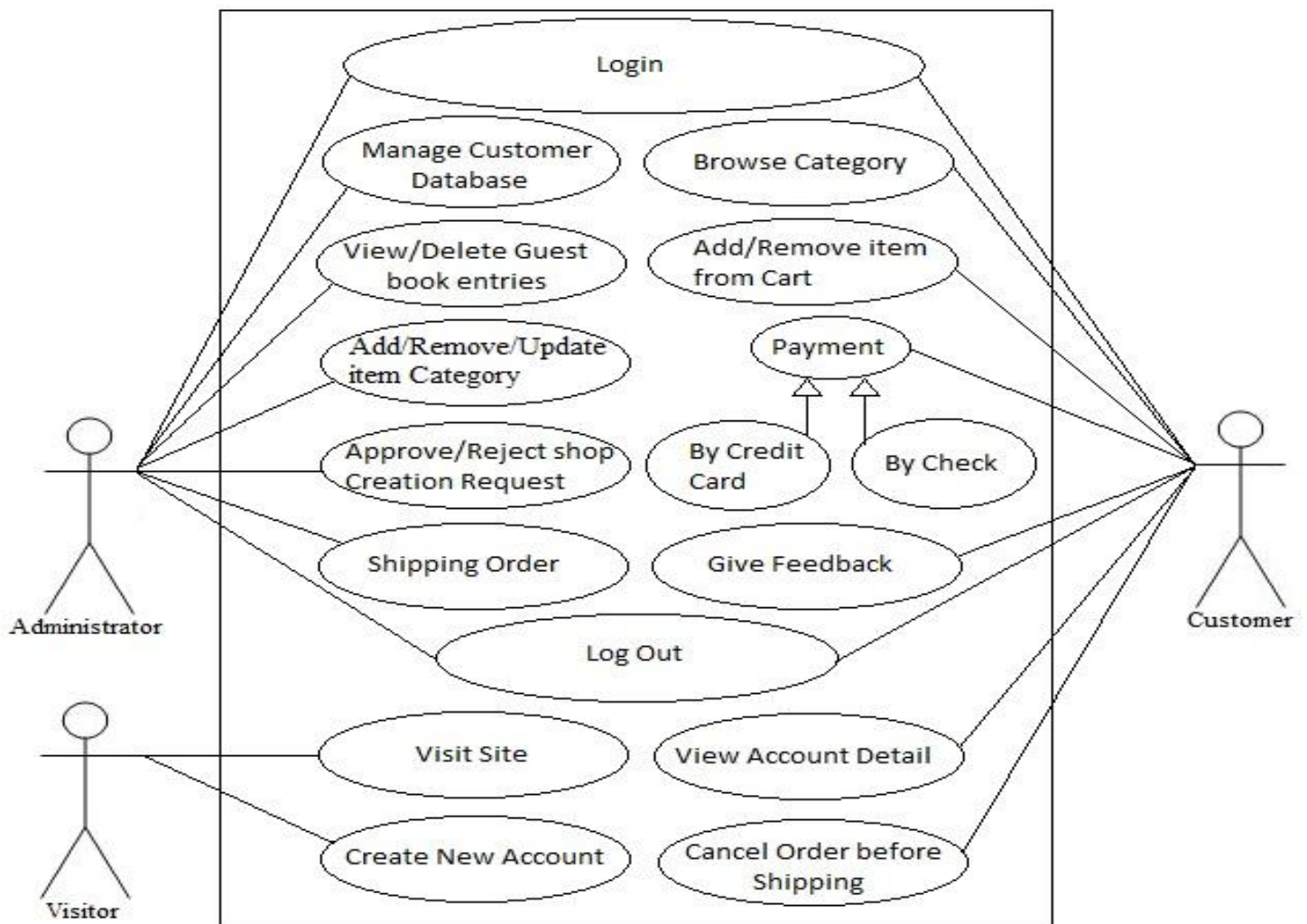
3.3 Constraints

- **Software Constraints**

- Customer should have android version 5.0+ or iOS version iOS 9+
- Maps and gps software UpToDate.
- Customer should have active internet and access to internet.

4) System Design Diagrams:-

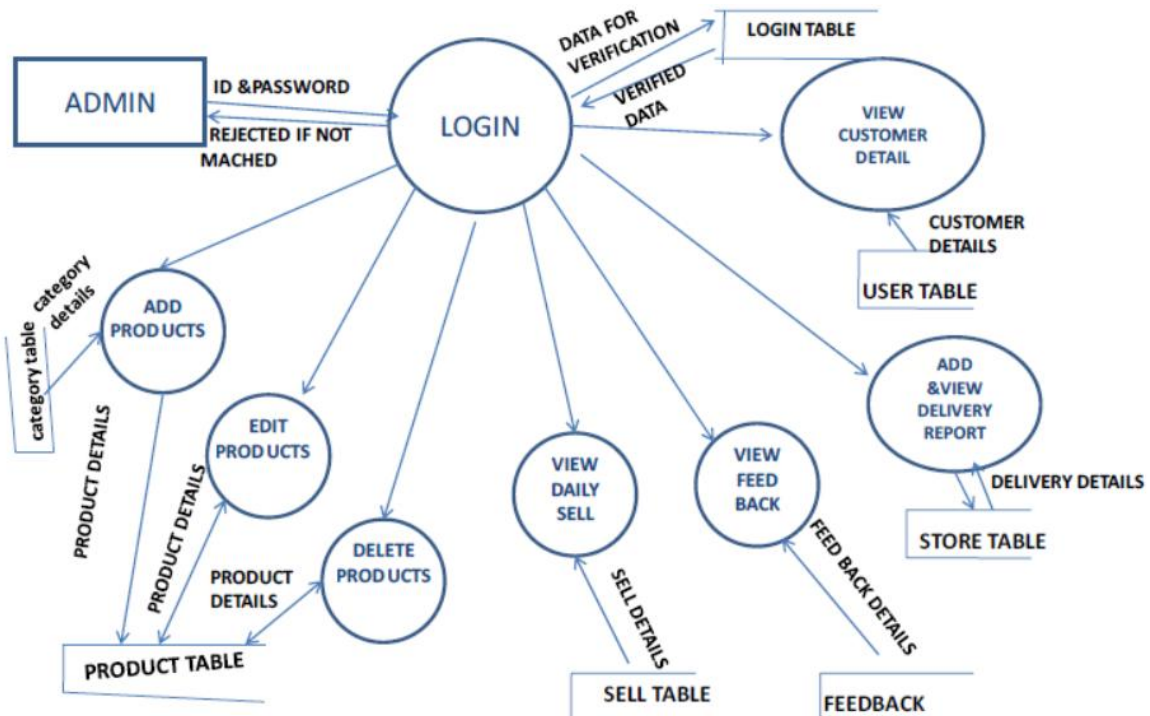
4.1) User case diagram:-



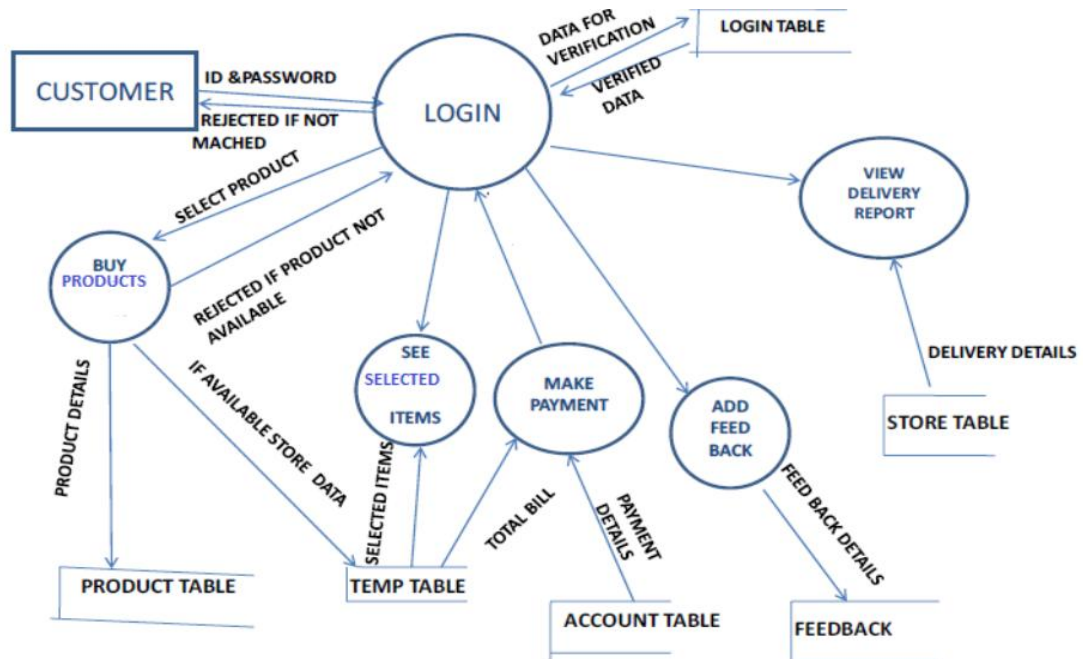
4.2) Context Analysis Diagram:



4.3) Data Flow Diagram for Admin:



4.4) Data Flow Diagram for Customer:



4.5) E-R Diagram:

