Software Requirements Specification   
GROCERY MANAGEMENT SYSTEM

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Date: OCTOBER 26 , 2022

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# Objective and Scope

The objective and scope of the project is to build a Grocery Management System to keep track on the availability of the product and to deliver the product to the customer. The work for the admin is to keep track on the stock availability an to monitor the employee’s work.

The scope of grocery management system includes the following basic features:

* It receives the product chosen by the customer and it is received by the employee, then the employee will collect the products chosen by the employee.
* The product details such as name of the product, availability of the stock on that product, number of quantity on that product, price details, etc. , these information are controlled by the admin .
* He also has another role that is, he has the control to a the product, remove the product from the cart,
* The products are delivered to the customer on the respective time to the customer.
* By using the login Id the customer, the amin, employee can able to login the portal and can access.
* Reports

# Project End Users

This software can be installed by the people who were preferring for online shopping ..

**3. Existing System**

In the existing system , we need to buy the products in person to each and every store . And we do not know which brand is best and which one is worse. We seek help from the people working in the store . Some of the customer will feel guilty to ask about the products. In order to buy our products in easy way we are going for the online purchase. This will categorized the products based on the ratings, availability, easy to choose and easy to buy whatever products we need.

**4. Proposed System**

In this new system , managing all the information about products, product brand, product category, vendors, customers and product stock. Multiple user can access this software .

It is a platform which can be created by the manager of the store , and the controls also be with them .

This is a internet based application which can be accessed through web . This system can be used to search for all grocery and fresh vegetables

# 5. Features

## 5.1 Login to the system

This login credential have access to the admin, to the assigned employee and customers. They are considered as the user.

Every user should be assigned with respective login Id and password to access the portal or page.

It has some constraints to set the username and password such as

The Username should accept the Alphabets, Numbers, Dot, Underscore and should not allow any other special characters

The Password should be consist of minimum of one Capital letter , one special character , one number

**5.2 Module**

**5.2.1 Administrator Module**

This module is describing such that it is like a trunk of a tree.

This module will monitor the employee works and assigning the work for employee

This module will check the complaints and suggestion of the customers and have to take required action to fulfil the requirements

This access is given to the admin, Because he has the responsibility that which product has to be add and remove from the cart. This add user and edit user page which can be accessible by the Admin

**Add User:**

Users are added into the database through the Add User page. Before adding the user, it allows the user to check for any duplicates in the database.

This can be used by the customer by entering valid username and password.

**Edit User:**

Users who are added through Add User page are saved into the database as a draft, which can be edited by Edit user page.

This can be access by the admin .

**5.2.2 Employee Module**

The employee plays an important role , He receives the request from the customer which they ordered .

They have the responsibilities to collect the products which they ordered and they have to delivery with proper packing .

They also have an role that he should check the availability of the stock and he must have to inform to the respective manager.

**5.2.3 Costumer Module**

The user module is very simple , they have to select the required products which they are decided to buy .

For this user must have the login credential of the respective store to access**.**

## 5.3 Permission

Permission is add to each user. Each user can do specified task only except administrator. Permission restrict the user's access level of this system.

For example the admin cannot able to change the customer ordered product.

**5.4 Functional Requirement**

For functional requirement they need a good system or mobile phone

Both will have a minimum Ram of 4GB

Storage space of 64 GB .

For operating system it should have a Windows 10 Operating System**.**

**5.5 Non – Functional Requirement**

A good coordination between the employee

Time management of employee which means they have to deliver the order within the respective time which they mentioned.   
 The employee have to check the product availability or stock availability and want to report to the administrator.

They have to track the price of the products**.**

**6. Diagram**

**6.1 Use Case Diagram:**

ADD CATEGORY

C

SUB CATEGORY

ADMIN

ADD ITEM

EMPLOYEE

VIEW PROFILE

VIEW ITEM

ORDER ITEM

VIEW PROFILE

CHANGE PASSWORD

CUSTOMER

LOGOUT

WALLET

**6.2 Class Diagram**

Username

Password

**Class**

Data upload(),view Data()verification(),Logout

Employee Class

Customer Class

View Items

Item Id

**Class:**

View ()

User name , Password

**Class:**

Login(),View Profile(),Change Password(),Logout()

Class Login

Item Name , Item ID

**Class:**

Order()

Admin

Order Item Class

Username

Password

**Class:**

login() , AddCategory() ,AddSubCategory(),AddProduct(),ViewProfile(),Logout()

Username

Password

**Class:**

login()

**6.3 ER DIAGRAM**

**LOGIN**

**`**

**ADMIN**

**`**

**CUSTOMER**

**EMPLOYEE**

ADD ITEMS

REMOVE ITEMS

CHANGE PASSWORD

VIEW CUSTOMER PROFILE

VIEW ITEMS

ADD CATEGORY

ADD ITEMS TO CART

PURCHASE

**LOGOUT**

**7. Report:**

This system displays the products which available in the store. The user can select the products whatever they want.