**GoGrocers : Online Grocery Shopping**

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**SRS Document**: System Requirement Specification Document for online Grocery shopping portal.

**Description**:

The feature of online grocery shopping is by simply clicking the mouse button for the required items consumers purchase grocery produced through retailers and the subsequent delivery of those ordered groceries at home. Due to Covid-19 the online grocery market in India has attract lots of market segment hence grocery chains expanding to the digital platform.

**Objective:**

To develope a web-based online grocery shop that alows users to, browse through the products and place their order using the internet without visiting shop physically. Once user has finalized the order she can add the item to the shopping cart. And on succesfully placing order doorstep delivery will be provided.

**Scope** :

The system will include a user-facing website and a back-end administration panel for managing orders and Grocery inventory along with delivery person.

**Entities:**

User(Admin,Employee,Customer),

Product

Shopping cart

Order

Delivery

Payment

**Definition:**

SRS: System Requirement Specification Document

OSS: Online Shopping System

Portal: Peronalized Online Web Application

GUI: Graphical User Interface

DFD: Data flow Diagram

CD: Class Diagram

**Functional Requirements**

Any annonymous User will be able to view different products avaialble for sale. Any User will be able select product to view from categories avaialble. Employee will be to track and maintain stock of products available for sale. Employee will be able to raise requests for product updatation to Admin.

**Registration**

If customer wants to purchase any products, then he/she must be registerd. Unregistered user can only view the grocery portal.

**Login**

Customer logins to the system by entering valid user id and password for the orders. After login the system will allow customers to place orders and make payments online/offline.

**For Admin**

Add product inventory

Manage price of products

Manage order and deliveries

Manage payments

Secure login to the admin dashboard

Manage delivery executives

Manage offers and discounts

Manage CMS

Manage Employees

View ratings and reviews

Generate reports

**For Customer**

Register and manage profile

Add address

Browse and sort through products

Place an order

View ratings and reviews

View discounts and offer

Get order invoice via mail

Refer a friend

View order history

Select preferred delivery time

**Non-Functional Requirement:**

**Security:**

Registered Users will be allowed access after authentication and verification of Username and Password.

System will internally maintain secure communication between Servers(Web Servers,App Servers,Database Servers).

**Reliability**:

The system will backup business data on regular basis and recover in less period of time to keep system operational.Continous updates are maintained , continous Administration is done to keep system operational.

**Availability:**

The system will be available for 24\*7 hours.

**Maintainability**

A commercial database will be used to maintain system data persistence.

Seprate enviornment will be maintained for system for isolation in production,testing and developement.

**Portability:**

PDA: Portable Device Application System will provide portable User Interface(HTML,CSS,JS) through users will be able access online PM System.

**Accessibility**:

Only registered users will be able to able to see their Cart Details status after authentication.

**Durability**:

System will implement backup and recovery for users data and products data.

**Efficiency** :

System will be able to manage all CRUD operation with isolation.

**Modularity**: System will be designed and developed using reusable , independent or dependent business techniques in form of modules.

**Scalability**:

System will be able to provide consistent user experience.

**Safety**:

Online Grocery Shopping System "GoGrocers" will be  secure from malicious attack,Phishing and Hacking. Role based security will be applied to Application data and Operation Accessibility.