GrocerEase

**Business Requirement Specification**

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**1. Introduction**

**1.1 Purpose:**  
The purpose of this document is to define the business requirements for the Goods Inventory Management System. This document outlines the key objectives, requirements, and constraints of the project aimed at creating a system for local grocery stores where customers can shop for groceries online.

**1.2 Project Background:**

This project empowers local grocery vendors by providing them with an online presence, allowing them to expand their customer base beyond their immediate locality and tap into the growing market of online shoppers. Customers benefit significantly from the convenience of browsing and purchasing groceries online, with intuitive features that allow them to filter and select products based on their specific needs and budget constraints. The platform's advanced search and filter functionalities make it easy for customers to find exactly what they need, while the price comparison feature enables them to view and compare prices from different vendors, ensuring they make the most cost-effective choices.

Moreover, the system includes robust inventory management tools for vendors, allowing them to track their stock levels in real-time. Vendors receive automatic notifications when stock levels are low, prompting timely restocking to prevent shortages. The platform also supports automated restocking options, reducing the manual effort required for inventory management. Detailed sales and inventory reports provide vendors with valuable insights into their business performance, helping them make informed decisions to optimize operations and increase profitability.

**1.3 Goals of the Project:**

The primary goal of the Online Grocery Marketplace project is to create a dynamic and user-friendly platform that bridges the gap between local grocery vendors. By empowering local vendors with digital tools and an online presence, the project aims to significantly expand their reach, enabling them to attract and serve a broader customer base beyond their immediate locality. For customers, the project seeks to offer unparalleled convenience in grocery shopping by providing a streamlined and efficient process for browsing, selecting, and purchasing products that meet their specific needs and budget constraints. From an operational standpoint, the project intends to simplify and optimize inventory management for vendors, incorporating real-time tracking, automatic restocking notifications, and detailed reporting tools. This will help vendors maintain optimal stock levels, reduce manual effort, and make informed business decisions.

**1.4 Customers and Stakeholders**

**Customer Identification:**

* Household and Families
* Working Professionals
* Elderly and disabled individuals
* Health conscious consumers
* Tech-savvy consumers
* Local community members

**Stakeholder Identification:**

* Grocery Store Owners
* Local Communities
* Third party service providers
* Customers

**2. Business Requirements Overview**

* Grocery shop owners can display their goods on the system.
* Customers can purchase goods online from any vendor they choose.
* To enable online inventory management.
* To facilitate online shopping for customers.

**3. Functional Requirements Overview**

**Admin Module:**

* Description: The admin module should allow administrators to manage users, products, and system settings.
* Acceptance Criteria: Administrators can add, edit, and delete users, products, and configure system settings.

**Vendor Module:**

* Description: The vendor module should enable vendors to list their products, manage inventory, and view orders.
* Acceptance Criteria: Vendors can add, update, and remove products, manage stock levels, and process orders.

**Customer Module:**

* Description: The customer module should allow customers to browse products, add items to their cart, and place orders.
* Acceptance Criteria: Customers can search for products, add them to the cart, and complete the purchase process.

**4. Non-Functional Requirements Overview**

* The website should use professional design, look and feel and colour scheme.
* Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence we will target the system to support between 5 and 10 lakhs users on launch of phase 1.
* Being a public website, the site must follow general usability guidelines for menus, navigation, colours, links and other actions provided on the screens.
* The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.