

# Business Requirement Specification

## FARM BAZAAR

An Online Food Merchandise Store

SUBMITTED IN PARTIAL

FULLFILLMENT OF

DIPLOMA IN ADVANCED COOMPUTING (PG-DAC)



: PRESENTED BY :

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# 1. Introduction

## 1.1 Document Purpose

This document serves as a comprehensive guide outlining the business requirements and scope for the development of the FarmBazaar Management System. Its primary objective is to define both the functional and non-functional requirements, alongside business rules and constraints, essential for the successful implementation of the service. Through clear delineation of these aspects, the document aims to facilitate a common understanding among stakeholders, including developers, project managers, and end-users, regarding the envisioned functionalities and limitations of the system.

## 1.2 Project Background

The FarmBazaar Management System is conceived to revolutionize the agricultural industry by providing a digital platform for farmers to connect directly with consumers. Presently, farmers face challenges such as limited market access, inefficient distribution channels, and lack of transparency in the supply chain. These challenges often result in reduced profits for farmers and limited choices for consumers. Goals of the project

- Develop an intuitive and accessible online marketplace for farmers to showcase and sell their produce directly to consumers.
- Simplify the purchasing process for consumers, allowing them to browse, select, and purchase fresh produce with ease.
- Create a robust admin dashboard with extensive functionalities for managing product listings, orders, payments, and delivery logistics.
- Optimize the system for performance, security, and scalability to handle a large volume of transactions and users.

## 1.3 Customers and Stakeholders

Customers:

- Individuals or organizations seeking to purchase fresh vegetables, grains, and fruits directly from farmers.

### 1. Stakeholders:

- Farmers utilizing the FarmBazaar platform to showcase and sell their produce.
- Consumers accessing the platform to browse and purchase fresh produce.
- Admin/Users of the platform responsible for managing product listings, orders, payments, and delivery logistics.

## 2. Business Requirements Overview

The FarmBazaar Management System aims to streamline the process of buying and selling fresh produce by connecting farmers directly with consumers. It will enable farmers to showcase their products, manage orders, and track deliveries, while providing consumers with a convenient and reliable platform to purchase fresh produce.

## 3. Functional Requirements Overview

The system consists of several modules described as below.

### 3.1 Module 1:Farmer Registration and Product Listing

- Farmers can create new accounts by providing their contact information and farm details.
- Farmers can list their products for sale, including vegetables, grains, and fruits, along with descriptions and pricing.

### 3.2 Module 2: Product Browsing and Purchasing

- Consumers can browse through a catalog of available products, filtering by category, price, and farm location.
- Consumers can add products to their cart and proceed to checkout to complete the purchase.
- Secure payment processing should be integrated to facilitate online transactions.

### 3.3 Module 3: Order Management

- The admin will have access to a centralized dashboard providing an overview of all orders placed by consumers.
- The dashboard will display order details such as product information, customer details, and order status.
- The admin can update the status of orders, manage inventory levels, and coordinate delivery logistics.

### 3.4 Module 4: Delivery Management

- This module handles the logistics of delivering orders from farmers to consumers.
- Delivery personnel can access a dedicated interface to view assigned orders, delivery locations, and delivery instructions.
- The system optimizes delivery routes and schedules to ensure efficient and timely deliveries.
- Customers receive notifications regarding their order's delivery status, including estimated arrival times.

### 3.5 Module 5: Authentication and User Management

- This module ensures secure access to the system for both farmers and consumers.
- User authentication employs industry-standard encryption methods and protocols to safeguard user credentials.
- Farmers and consumers can securely log in to their accounts using a username/email and password combination.
- Additionally, user authentication implements join logic to authenticate users, ensuring only authorized individuals gain access to the system.
- The module also manages user profiles, allowing users to update their personal information and reset passwords if needed.

## 4. Non-functional Requirements

- The website should have a professional design, with a visually appealing layout and user-friendly interface.
- It should be scalable to accommodate increased user traffic and data volume as the platform grows over time.
- Data encryption, secure authentication mechanisms, and regular security audits should be employed to safeguard against unauthorized access and data breaches.
- The platform should ensure fast loading times and responsiveness, providing a seamless user experience across devices and internet connections.