
Software Requirements Specification

for

Organic Grocery App

Version 0.1

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Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

The purpose of the Organic grocery application is to bridge the gap between consumers and local farmers by providing a platform for direct interaction and transactions. It aims to facilitate easy access to fresh, locally sourced produce for consumers while empowering farmers to showcase their products, connect with customers, and expand their market reach. The app serves as a digital marketplace where users can discover, purchase, and support sustainable agriculture practices and local food systems.

1.2 Intended Audience and Reading Suggestions

The intended audience includes stakeholders, project managers, developers, designers, marketers, farmers, and consumers involved in the Farmer's Market Connection project.

1. Stakeholders and project managers will gain insight into project goals, scope, and outcomes.
2. Developers and designers will find detailed information about features, functionalities, and technical requirements.
3. Marketers can understand the target audience, market positioning, and promotional strategies.
4. Farmers and consumers will understand how to use the app effectively to connect and transact with each other.

1.3 Product Scope

The Organic grocery application enables users to:

- Create user profiles to browse and purchase fresh, locally sourced produce.
- Explore farmer profiles showcasing products, farming practices, and stories.
- Search for specific products, view availability, and pricing information.
- Facilitate secure transactions through online payment gateways.
- Communicate directly with farmers to inquire about products or place orders.
- Access educational resources and information promoting sustainable agriculture.

The app aims to promote transparency, support local economies, and stronger connections between farmers and consumers. It provides a user-friendly interface designed to enhance the user experience and encourage active participation in local food systems.

2. Overall Description

2.1 Product Perspective

Users may easily explore, buy, and track organic products with the help of the organic grocery app. It has a user-friendly interface, a powerful search function, safe payment processing, and tailored suggestions. Orders, payments, and inventory are safely managed by backend infrastructure. While user engagement is fueled by marketing efforts, quality assurance provides dependability. A positive user experience is guaranteed by adherence to rules and modifications that are motivated by user feedback.

2.2 Product Functions

Users may easily browse through a large selection of organic products with the Organic Grocery App. Its user-friendly UI makes browsing easy and navigation seamless. Customers may quickly look for particular products, put them in their carts, and safely finish purchases using several different payment methods. In addition to offering individualized suggestions based on user preferences, the app tracks orders in real-time. Reliability and accuracy are ensured by backend systems' seamless management of orders, payments, and inventory. Promotions and discounts are used in marketing initiatives to keep users interested. Food safety and data security are guaranteed by rules. Consistent improvement through regular updates based on customer feedback ensures that the overall purchasing experience is improved.

2.3 User Classes and Characteristics

The Organic Grocery App serves a variety of types of users, such as consumers who are looking for high-quality, natural items, those who are health-conscious, and those who are concerned about the environment. Features differ; some consumers place more value on organic certificates, while others prioritize locally sourced products or certain dietary needs, such as gluten-free or vegan selections. The app's convenience is valued by working professionals, while families find it useful for simplifying their grocery shopping. Tech-savvy users take advantage of order tracking and personalized recommendations, while frugal consumers profit from sales and special discounts. A wide range of people use the app because they have an interest in organic, sustainable living and want easy, accessible buying.

The individual using our product will be someone who is at least relatively experienced with personal smartphones and who knows how to operate systems that have graphical user interfaces. It is not assumed that the clients are familiar with file transfer protocols or networking. The client simply has to know their email and password to log in.

2.4 Operating Environment

The Organic Grocery App uses dependable internet connectivity to function as part of a digital ecosystem that is accessible through web browsers and smartphones. Ensuring data integrity and security, it communicates with backend servers housing user accounts, product databases, and order processing systems. Order fulfillment may be done on time thanks to connectivity with delivery providers and safe payment channels. The app also has customer care features to quickly respond to questions and problems. Within the parameters of ethical sourcing and sustainable methods typical of organic groceries, the operating environment depends on ongoing monitoring and updates to maintain performance, security, and user happiness.

2.5 Assumptions and Dependencies

Assumptions:

- Customers prefer organic products.
- Users have smartphones with internet access.
- Products are sourced from certified organic suppliers.
- Payment gateways are secure and reliable.
- Delivery infrastructure is available.

Dependencies:

- Availability of organic products.
- Stable internet connection.
- Reliable payment processing services.
- Trustworthy delivery partners.
- Continuous customer demand for organic groceries

6. Other Requirements

Appendix B: Analysis Models



Figure: Customer Use Case for Organic Grocery App

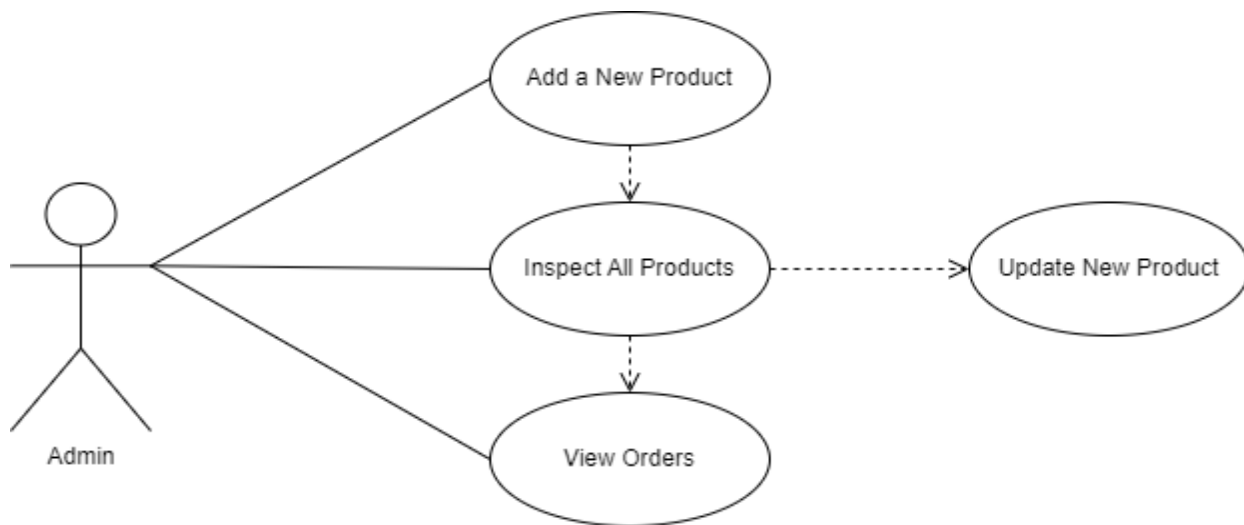


Figure: Admin Use Case for Organic Grocery App

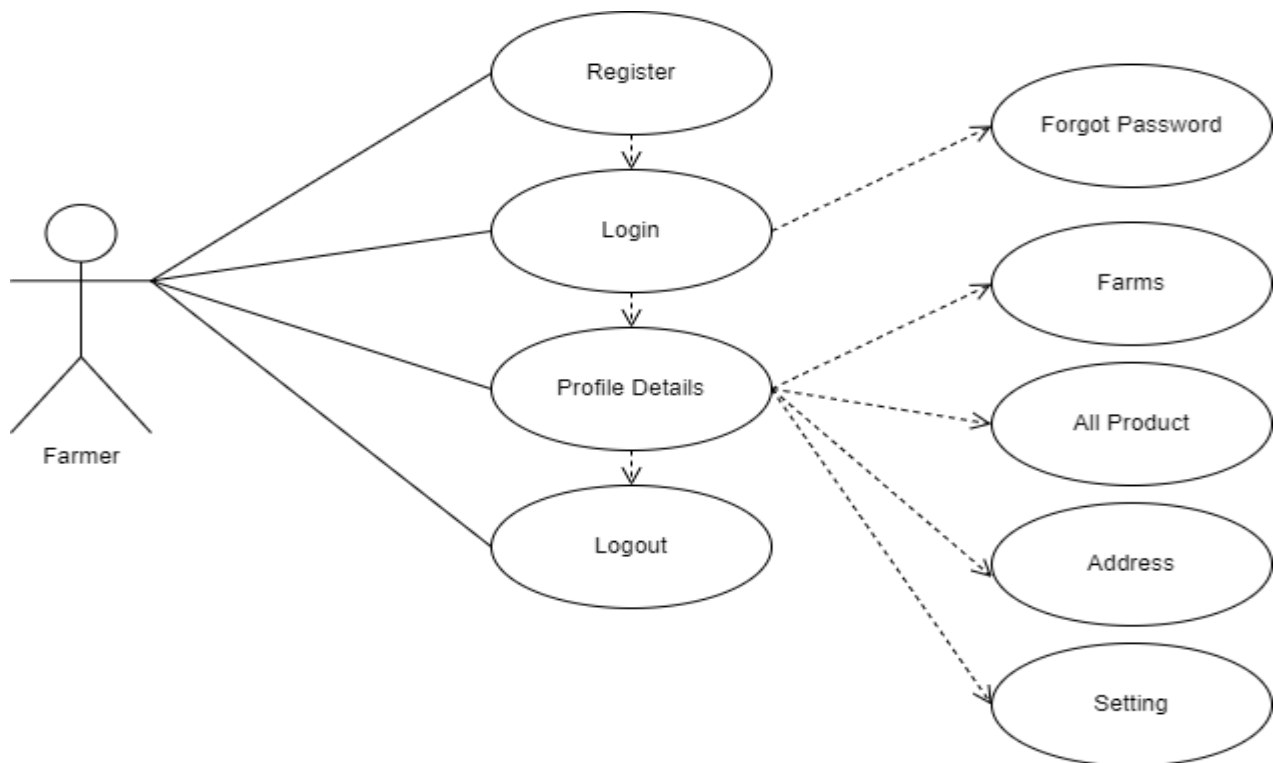


Figure: Farmer Use Case for Organic Grocery App