**Functional Requirement Document: Online Agricultural Goods Selling Website**

**1. Introduction**

The purpose of this document is to outline the functional requirements for developing an online agricultural goods selling website. The website aims to provide a platform for farmers, agricultural businesses, and consumers to buy and sell a wide range of agricultural products. This document defines the specific features, functionalities, and interactions required for the website.

**2. User Management**

**2.1 User Registration**

* Users can create accounts by providing a unique username, email address, and password.
* The system should validate the uniqueness of the username and email address.
* Passwords should be securely stored using encryption techniques.

**2.2 User Login**

* Registered users can log in using their credentials (username/email and password).
* The system should authenticate user credentials and grant access to the user account.

**2.3 User Profile**

* Users can view and update their profile information, including name, contact details, and shipping address.
* The system should store and display the user's profile information accurately.

**3. Product Management**

**3.1 Product Listing**

* Sellers can add agricultural products to the website by providing product details such as name, description, price, and stock quantity.
* The system should validate and store the product information accurately.
* Products should be categorized for easy browsing and searching.

**3.2 Product Search and Filtering**

* Users can search for products using keywords, categories, and filters.
* The system should return relevant search results based on the user's query and applied filters.

**3.3 Product Details**

* Users can view detailed information about a product, including its description, price, stock availability, and seller information.
* The system should display accurate and up-to-date product details.

**4. Shopping Cart and Checkout**

**4.1 Adding to Cart**

* Users can add products to their shopping cart from product listing or product details pages.
* The system should update the cart with the selected products and their quantities.

**4.2 Managing Cart**

* Users can view their shopping cart, update quantities, and remove products.
* The system should reflect the changes in real-time and calculate the cart subtotal.

**4.3 Checkout Process**

* Users can proceed to checkout and enter their shipping details.
* The system should validate the shipping information and calculate applicable taxes and shipping charges.
* Users should have the option to select a preferred payment method.

**4.4 Order Confirmation**

* After successful checkout, users should receive an order confirmation with the order details and a unique order ID.
* The system should store the order information and generate an order confirmation email for the user.

**5. Review and Rating**

**5.1 Leaving Reviews**

* Users can leave reviews and ratings for products they have purchased.
* The system should allow users to provide comments and ratings on a scale (e.g., 1-5 stars).

**5.2 Displaying Reviews and Ratings**

* Product details pages should display the average rating and summary of user reviews.
* Users should be able to view individual reviews and sort them based on relevance and helpfulness.

**6. Order Management**

**6.1 Order History**

* Users should have access to their order history, including past orders and their details.
* The system should display order information such as order ID, date, status, and total amount.

**6.2 Order Tracking**

* Users should be able to track the status of their orders, including shipment updates and tracking information.
* The system should integrate with shipping carriers to provide real-time tracking information.