**Use Case Document: Online Agricultural Goods Selling Website**

**Use Case 1: User Registration**

**Primary Actor:** User

**Goal in Context:** The user wants to create an account on the website to access the platform's features.

**Preconditions:**

* The user is on the registration page of the website.

**Steps:**

1. User enters the required registration information, including username, email address, and password.
2. User submits the registration form.
3. The system validates the entered information for uniqueness and completeness.
4. The system creates a new user account with the provided details.
5. The system displays a success message to the user, confirming the successful registration.

**Postconditions:**

* The user account is created, and the user can now log in to the website.

**Alternate Flows:**

* If the entered username or email address already exists in the system, the system displays an error message, and the user is prompted to provide a different username or email address.

**Use Case 2: Product Listing**

**Primary Actor:** Seller

**Goal in Context:** The seller wants to list an agricultural product for sale on the website.

**Preconditions:**

* The seller is logged in to their account on the website.

**Steps:**

1. Seller navigates to the product listing page.
2. Seller enters the product details, including name, description, price, and stock quantity.
3. Seller submits the product listing form.
4. The system validates the entered information and creates a new product listing.
5. The system displays a success message to the seller, confirming the product listing.

**Postconditions:**

* The agricultural product is listed for sale on the website.

**Alternate Flows:**

* If any of the required fields are missing or invalid, the system displays an error message and prompts the seller to correct the information.

**Use Case 3: Product Search and Purchase**

**Primary Actor:** Buyer

**Goal in Context:** The buyer wants to search for a specific agricultural product and make a purchase.

**Preconditions:**

* The buyer is logged in to their account on the website.

**Steps:**

1. Buyer enters the desired product name or keywords in the search bar.
2. The system displays a list of relevant search results based on the entered keywords.
3. Buyer selects a specific product from the search results to view its details.
4. Buyer reviews the product details, including description, price, and seller information.
5. Buyer adds the desired quantity of the product to their shopping cart.
6. Buyer proceeds to the checkout process.
7. The system prompts the buyer to provide shipping details and select a payment method.
8. Buyer confirms the order and completes the payment.
9. The system generates an order confirmation and displays it to the buyer.

**Postconditions:**

* The buyer receives an order confirmation and the seller is notified of the purchase.

**Alternate Flows:**

* If the desired product is not found in the search results, the buyer may refine their search or choose a different product.
* If the buyer encounters any issues during the checkout process, such as payment failure, the system displays an error message and prompts the buyer to retry or choose an alternative payment method.