# USE CASE DOCUMENT

## ONLINE SHOPPING MANAGEMENT SYSTEM
### FARM2TABLE


**TEAM MEMBERS:**

**ATHIRA ANIL**

**LAKSHMI MADHU NAIR**

**KEERTHANA KALARIKKAL MANIKANDAN**


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# INTRODUCTION

The Use Case Document is a business document which provides a story of how a system, and its actors, will be utilized to achieve a specific goal.  An effective Use Case should provide a detailed step-by-step description of how the system will be used by its actors to achieve the planned outcome.  The purpose of the Use Case is to tie the business needs of the system to the design parameters of the system to ensure that the completed system achieves the goals established by the business requirements.  The level of detail in Use Cases may vary greatly depending on the size and complexity of the system being designed.

This Use Case has been developed for "Farm2Table", a Seamless Online Shopping Management System for locally sourced produce, meat, fish, and dairy. The current lack of a flexible online shopping management system for these creates challenges for consumers seeking convenient access to fresh and sustainable food options. Customers require a user-friendly online platform in which they can view products based on categories like fruits, vegetables, meat etc., add products to cart, delete products from the cart and rate the products according to their wish. In addition to this, the administrator has control over the entire application. The admin can manage categories and products. By integrating these essential features, Farm2Table aims to revolutionize the online shopping experience, empowering consumers to make informed, sustainable, and healthy food choices conveniently.

# EXPLANATION OF USE CASE CONTENTS

Use Case formats and contents may vary based on system requirements, organizational standards, or unique situations.  However, a majority of Use Cases consist of some fundamental contents which may be applied across a wide range of system types.  This section will provide explanations for each section of the Use Case.

Name of Use Case:  Provide a short name for the use case which should lend itself to the objective of the system.

Description:  This section should provide a description of both the reason for using the use case and the expected outcome of the use case.

Actors: Actors may be primary or secondary. Primary actors are the people who will be initiating the system described in the use case.  Secondary actors are those will participate in the completion of the use case.

Precondition: This section should describe any conditions that must be true or activities that must be completed prior to executing the use case.

Postcondition: This section should describe the state of the system at the conclusion of the use case. Postconditions may include conditions for both successful and unsuccessful execution of the use case.

Flow: This section should describe all actions of the user and the expected system responses for planned normal execution of the use case.  The description should be sequential and provide adequate detail to understand all user actions and system responses.

Alternative Flows: Many use cases have varying or special extensions or conditions which are separate from the main flow but also necessary. Alternative flows are usually the result of options or exceptions built into the use case which may alter the primary flow.

## SAMPLE USE CASE

| Name of Use Case: | Login | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The use case begins when the actor indicates the intent to login to the system. It ends when the actor is log in or cancels login. | | |
| **Actors:** | Administrator/User | | |
| **Preconditions:** | Login Exists | | |
| **Postconditions:** | The actor logs in successfully. | | |
| **Flow:** | 1. Administrator selects the "Login Option" add gives the credentials. | | |
| **Alternative Flows:** | None | | |


| Name of Use Case: | Add Category Details | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The administrator adds category details into the system | | |
| **Actors:** | Administrator | | |
| **Preconditions:** | Administrator is logged into the system. | | |
| **Postconditions:** | Category details are successfully added to the system | | |
| **Flow:** | 1. Administrator selects the "Add Category Details" option. 2. Administrator provides the necessary category details such as category number, category name. 3. The system validates the input data. 4. The system adds the category details to the database. | | |
| **Alternative Flows:** | None | | |


| Name of Use Case: | Update Category Details | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The administrator updates category details into the system | | |
| **Actors:** | Administrator | | |
| **Preconditions:** | Administrator is logged into the system. | | |
| **Postconditions:** | Category details are successfully updated to the system | | |

| | |
|---|---|
| **Flow:** | 1. Administrator selects the "Update Category Details" option.<br>2. Administrator updates the necessary category details such as category name.<br>3. The system validates the input data.<br>4. The system updates the category details to the database. |
| **Alternative Flows:** | None |

| Name of Use Case: | View Category Details | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The administrator views category details from the system | | |
| **Actors:** | Administrator | | |
| **Preconditions:** | Administrator is logged into the system. | | |
| **Postconditions:** | Category details are successfully displayed in the system | | |
| **Flow:** | 1. Administrator selects the "View Category Details" option. | | |
| **Alternative Flows:** | None | | |

| Name of Use Case: | Delete Category Details | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The administrator delete category details into the system | | |
| **Actors:** | Administrator | | |
| **Preconditions:** | Administrator is logged into the system. | | |
| **Postconditions:** | Category details are successfully deleted to the system | | |
| **Flow:** | 1. Administrator selects the "Delete Category Details" option.<br>2. The system deletes the category details from the database. | | |
| **Alternative Flows:** | None | | |

| Name of Use Case: | Registration | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The use case begins when the actor indicates the intent to register to the system. It ends when the actor is a register or cancels registration. | | |
| **Actors:** | User | | |
| **Preconditions:** | Login does not exists | | |

| | |
|---|---|
| **Postconditions:** | User registers successfully. |
| **Flow:** | 1. Administrator selects the "Delete Category Details" option. |
| | 2. The system deletes the category details from the database. |
| **Alternative Flows:** | None |

| **Name of Use Case:** | Add Product Details | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The administrator adds product details into the system | | |
| **Actors:** | Administrator | | |
| **Preconditions:** | Administrator is logged into the system. | | |
| **Postconditions:** | Product details are successfully added to the system | | |
| **Flow:** | 1. Administrator selects the "Add Product Details" option. | | |
| | 2. Administrator provides the necessary product details such as product number, product name, price, serial number, product description, product image. | | |
| | 3. The system validates the input data. | | |
| | 4. The system adds the product details to the database. | | |
| **Alternative Flows:** | None | | |

| **Name of Use Case:** | Update Product Details | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The administrator updates product details into the system | | |
| **Actors:** | Administrator | | |
| **Preconditions:** | Administrator is logged into the system. | | |
| **Postconditions:** | Product details are successfully updated to the system | | |
| **Flow:** | 1. Administrator selects the "Update Product Details" option from the selected product. | | |
| | 2. Administrator updates the necessary product details such as product number, product name, category number, price, serial number, product description, product image. | | |
| | 3. The system validates the input data. | | |
| | 4. The system adds the product details to the database. | | |
| **Alternative Flows:** | None | | |

| **Name of Use Case:** | Delete Product Details | | |
|---|---|---|---|
| **Created By:** | | **Last Updated By:** | |
| **Date Created:** | Xx/xx/xx | **Last Revision Date:** | Xx/xx/xx |
| | | | |
| **Description:** | The administrator deletes product details into the system | | |

| Actors: | Administrator |
|---|---|
| Preconditions: | Administrator is logged into the system. |
| Postconditions: | Product details are successfully deleted from the system |
| Flow: | 1. Administrator selects the "Delete Product" option from the selected product.<br>2. Administrator selects the "Confirm Delete" option.<br>3. The system deletes the product details from the database. |
| Alternative Flows: | None |

| Name of Use Case: | View Product Details | | |
|---|---|---|---|
| Created By: | | Last Updated By: | |
| Date Created: | Xx/xx/xx | Last Revision Date: | Xx/xx/xx |
| | | | |
| Description: | The administrator views product details into the system | | |
| Actors: | Administrator | | |
| Preconditions: | Administrator is logged into the system. | | |
| Postconditions: | View the product details in the system. | | |
| Flow: | 1. Administrator selects the "View All Product" option from the selected product. | | |
| Alternative Flows: | None | | |

| Name of Use Case: | Add Order Details | | |
|---|---|---|---|
| Created By: | | Last Updated By: | |
| Date Created: | Xx/xx/xx | Last Revision Date: | Xx/xx/xx |
| | | | |
| Description: | The user adds order details into cart | | |
| Actors: | User | | |
| Preconditions: | User is logged into the system. | | |
| Postconditions: | Order details are successfully added to the system | | |
| Flow: | 1. User selects the "Add to Cart" option for the selected product.<br>2.User selects the "Cart" option.<br>3. User provides the necessary quantity, Product Order Address of the selected products and the Order number, Order Date, Order Status, Product number are also stored, and User select "Confirm Order" option.<br>4. The system validates the input data.<br>5. The system adds the Order details to the database. | | |
| Alternative Flows: | None | | |

| Name of Use Case: | View Order Details | | |
|---|---|---|---|
| Created By: | | Last Updated By: | |
| Date Created: | Xx/xx/xx | Last Revision Date: | Xx/xx/xx |
| | | | |

| Description: | The user view order details from the cart. |
|---|---|
| Actors: | User |
| Preconditions: | User is logged into the system. |
| Postconditions: | Order details are displayed. |
| Flow: | 1. User selects the "View Cart" option.<br>2. User view all the selected products from the cart. |
| Alternative Flows: | None |

| Name of Use Case: | Delete Order Details | | |
|---|---|---|---|
| Created By: | | Last Updated By: | |
| Date Created: | Xx/xx/xx | Last Revision Date: | Xx/xx/xx |
| | | | |
| Description: | The user deletes order details from the cart. | | |
| Actors: | User | | |
| Preconditions: | User is logged into the system. | | |
| Postconditions: | Order details are deleted from the system. | | |
| Flow: | 1. User selects the "Delete from the Cart" option for the selected product.<br>2. The system modifies the Order details to the database. | | |
| Alternative Flows: | None | | |

| Name of Use Case: | Add Rating | | |
|---|---|---|---|
| Created By: | | Last Updated By: | |
| Date Created: | Xx/xx/xx | Last Revision Date: | Xx/xx/xx |
| | | | |
| Description: | The user rates the product. | | |
| Actors: | User | | |
| Preconditions: | User is logged into the system. | | |
| Postconditions: | Order details are deleted from the system. | | |
| Flow: | 1. User selects the "Rate the Product" option from the "My Orders" option.<br>2. User rates the product and adds feedback.<br>3. The system validates the input data.<br>4. The system adds the Order details to the database. | | |
| Alternative Flows: | None | | |