# ABC’s Inventory Management System

## Full Use Case Description

### Use Case: Manage Product (Add New Product)

### Brief Description

**When** a new Product

**is** needed to be added into the system

Warehouse Staff **hits** ‘Manage Product’ button.

### Triggers

When staff hits the ‘Manage Product’ button.

### Actors

#### 3.1Warehouse Staff

When the product is searched or reviewed by the warehouse staff and need to change any information, the warehouse staff clicks ‘Manage Product’ button to start.

### Related Use Cases

#### 4.1 Log In Log Out

The Warehouse Staff must be ‘Logged In’ statues to modify any changes in the system.

### Pre- Condition

#### 5.1 Staff must be authorised to take any action

The following staff who is handling the product must be an authorised staff in the company where the staff is logged in successfully.

### Post Condition

#### Product details are added

All the required information related to the product are added.

### Normal Flow

#### 7.1 Add Product

When the user needs to add a new product with its detail in the database.

|  |  |
| --- | --- |
| Actor | System |
| 1. User selects the ‘Manage Product’ button in the home screen. | 1. System displays the interface containing product details. The user is allowed update, add, delete or display products. |
| 1. User selects ‘Add New Product’ button. | 1. System prompts the user with the new page containing blank text field to fill up with product detail. |
| 1. User enter the information of the new product. |  |
| 1. User clicks ‘Add Product’ button after filling the details. | 1. System then checks the details submitted by the user. |
|  | 1. Displays the message confirming the product is added successfully. |

#### 7.2 Add Product Item Code

|  |  |
| --- | --- |
| Actor | System |
| 1. User clicks ‘Manage Product’ button. | 2. System displays list of Product Code with details. |
| 3. User clicks ‘Add product item for this product’ after searching the Product Code or from the list. | 4. System displays a new page where user is prompt to enter the size, location and quantity of the Product Code. |
| 5. User enters the product information and clicks ‘Add product to system’ button. | 6., System validates the information. |
|  | 7.System updates the database adding new Product Item Code and prompt message as ‘Product Item Code added’ |
|  | 8.Opens Manage Product page. |

### Alternative Flow

#### User cancel adding new product

When the user does not add a product and cancel it.

|  |  |
| --- | --- |
| Actor | System |
| 1. User clicks ‘Back’ button | 2. System deletes any data entered and takes user back to ‘Manage Product’ page. |

### Exceptional Flow

#### System refuses to save Product Details

The product detail that user entered are not save into the system due to lack of essential detail about the product.

|  |  |
| --- | --- |
| Actor | System |
| 1. User enters the detail of the product. | 2. System checks the product details. |
|  | 3. System prompts user not accepting to save the product details to the system marking the invalid text field with red colour. |

### Key Scenario

#### Product managed, added new product

New Item is listed to the database as a selling Product for the company. All the product details are manually added by the user.

### Other Quality Requirements

#### Performance

Any changes done by the user must be updated to the system using real time sharing.

#### Usability

Any action taken by the user for managing the product, system is required to display an appropriate message such as ‘Successfully Updated’, ‘Product Not Found’, etc. to let user keep track in their process.

### Use Case: Manage Product (Delete Existing Product)

### Brief Description

**When** a Product details

**is** needed to be deleted

Warehouse Staff **hits** ‘Manage Product’ button.

### Triggers

When staff hits the ‘Manage Product’ button.

### Actors

#### 3.1Warehouse Staff

When the product is searched or reviewed by the warehouse staff and need to change any information, the warehouse staff clicks ‘Manage Product’ button to start.

### Related Use Cases

#### 4.1 Log In Log Out

The Warehouse Staff must be ‘Logged In’ statues to modify any changes in the system.

### Pre- Condition

#### 5.1 Product Exist

The product that the Warehouse Staff decides to edit must be existed at some point, that means the product should be enlisted in the system to edit (Manage or Delete Product), or product must exist to enter into the system

#### 5.2 Staff must be authorised to take any action

The following staff who is handling the product must be an authorised staff in the company where the staff is logged in successfully.

### Post Condition

#### Product details are added

All the required information related to the product are added.

### Normal Flow

#### 7.1 Delete Product

When the user is deleting an existing product from the database.

|  |  |
| --- | --- |
| Actor | System |
| 1. User selects the ‘Delete’ button to delete the product along with the product details. | 1. System prompt a message if user wants to delete the selected product. |
| 1. User clicks ‘Yes’ button. | 1. System displays a new message confirming the action. |

### Exceptional Flow

#### 8.1Product does not exist

The product that a user trying to modify is not displayed due to invalid Product Code.

|  |  |
| --- | --- |
| Actor | System |
| 1. User search product with Product Code. | 2. System does not display any product while displaying a message showing ‘Product Not Found’. |

### Key Scenario

#### Product managed, delete product details

The unwanted product is deleted from the database by the use of ‘X’ button.

### Other Quality Requirements

#### Performance

Any changes done by the user must be updated to the system using real time sharing.

#### Usability

Any action taken by the user for managing the product, system is required to display an appropriate message such as ‘Successfully Updated’, ‘Product Not Found’, etc. to let user keep track in their process.

### Use Case: Manage Product (Edit Product Details)

### Brief Description

**When** a Product details

**is** needed to be updated

Warehouse Staff **hits** ‘Manage Product’ button.

### Triggers

When staff hits the ‘Manage Product’ button.

### Actors

#### Warehouse Staff

When the product is searched or reviewed by the warehouse staff and need to change any information, the warehouse staff clicks ‘Manage Product’ button to start.

### Related Use Cases

#### 4.1 Log In Log Out

The Warehouse Staff must be ‘Logged In’ statues to modify any changes in the system.

### Pre- Condition

#### Product exist

The product that the Warehouse Staff decides to edit must be existed at some point, that means the product should be enlisted in the system to edit (Manage or Delete Product), or product must exist to enter into system (Add Product).

#### Staff must be authorised to take any action

The following staff who is handling the product must be an authorised staff in the company where the staff is logged in successfully.

### Post Condition

#### Product are updated

The product details that are edited by the warehouse staff are permanently changed in the system. Hence, whenever the staff checks for the item then the staff will get the new updated details of the product.

### Normal Flow

#### 7.1 Update Product

This use case when user hits ‘Manage Product’ button in home page.

|  |  |
| --- | --- |
| Actor | System |
| 1. User selects the ‘Manage Product’ button in the home screen. | 1. System displays user to select whether the product is to allow update, add or delete. |
|  | 1. System prompts the user to search for the existing product in the database. |
| 1. User searches by entering Product Code of the product that needed to be updated. | 1. System looks up for the product in the database that is entered by the user. |
|  | 1. If the Product Code matches to the Product Code listed inside the database, then it displays all the details which resembles with the Product Code. |
| 1. User then clicks the ‘Edit details for this product’ button. | 1. System displays the Product Detail in new page where the staff is able to make changes accordingly. |
| 1. User makes necessary changes to be made and saves it at last by clicking in ‘Update’ button. | 1. System then updates the details in the database with a message displayed as ‘Product has been updated’. |
|  | 1. Displays the Manage Product page. |

### 7.2 Update the quantity of the Product Item Code

|  |  |
| --- | --- |
| Actor | System |
| 1. User selects the ‘Manage Product’ button in the home screen. | 1. System displays user to select whether the product is to allow update, add or delete. |
|  | 1. System prompts the user to search for the existing product in the database. |
| 1. User searches the product by entering Product Code of the product that needed to be updated. | 1. System looks up for the product in the database that is entered by the user. |
|  | 1. If the Product Code matches to the Product Code listed inside the database, it displays all the details which resembles with the Product Code. |
| 1. User clicks ‘Show details of this product’ button. | 1. System displays the Product Code Details in new page where the it contains Product Item Code and Sizes. |
| 1. User click Action button. | 1. System displays further Product Item Code details in different location with Quantity. |
| 1. User double clicks the Quantity and change the number. |  |
| 1. User Clicks ‘Confirm Update’ button. | 1. System then updates the details in the database. |
|  | 1. System prompts message as the product details are updated. |
| 1. User clicks ‘OK’ button | 1. Opens Manage Product page. |

### Exceptional Flow

#### Searched Product does not exist

The product that a user trying to modify is not displayed due to invalid Product Code.

|  |  |
| --- | --- |
| Actor | System |
|  | 2. System does not display any product while displaying a message showing ‘Product Not Found’. |

### Key Scenario

#### Product managed, updated product details

Product details are updated when the user changes any detail of the existing product.

### Other Quality Requirements

#### Performance

Any changes done by the user must be updated to the system using real time sharing. That means the system should update any changes within 2 seconds.

#### Usability

Any action taken by the user for managing the product, system is required to display an appropriate message such as ‘Successfully Updated’, ‘Product Nit Found’, etc. to let user keep track in their process.