# ABC’s Inventory Management System

# Full Use Case Description

# Use-case: Manage Cart: End-goal

# **Brief Description**

**When** a warehouse staff or store staff

**Wants to** add or remove products in a cart

**They** click to the “Add Item” button in the View Item Page or “x” button next to the product information in the cart

**So that** the product can be added, or removed from the cart

# **Trigger**

The quantity of product is empty.

# **Actors**.

# **Store staff**

The store staff adds the quantity of the product or removes the product in request cart.

# **Warehouse staff**

The warehouse staff adds the quantity of the product or removes the product in the cart.

# **Related Use Cases**

The Warehouse staff/ Store staff must have completed the “Log In” sub-function use case

The “Search Product” use case may occur.

The “Send Stock”, “Request Items” are related.

# **Pre-conditions**

# **The quantity of product is empty**

# **Store staff/ Warehouse staff authenticated**

The warehouse staff/ store staff should have authenticated to the system before managing the cart.

# **Post-conditions**

# **Product added to the request cart**

The cart displays the product name and product quantity.

# **Product removed from the request cart**

The product name and product quantity will be removed from the request cart

# **Normal Flow**

The use case begins when a store staff/warehouse staff add the product to request cart.

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Warehouse staff/ store staff search the item by the product code from the search bar on the home page. | 1. System display the searching item code and item name. |
| 1. Warehouse staff/ store staff click to searched product code. | 1. System display the detail information of selected product such as product code, product name, size, quantity of the product in each store, “Add Item” Button and “ Cancel” Button. |
| 1. Warehouse staff/ store staff click to “Add Item” button. | 1. System add the selected product to the cart. 2. System direct to the Send/ Request Stock page with the adding product. |

The use case ends.

# **Alternate Flows**

# **Update the product in cart**

The use case begins when a store staff/warehouse staff remove the product to request cart.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System displays the Send/ Request Stock page with the adding product information such as: item code, item name, item size, item quantity which is 1 as default, “update” button and “x” button next to each item, “Receiving location” dropdown box which contain the location user wants to request the stocks, read-only “Request Item” button, read-only “Send Item” button and “Cancel” button. |
| 1. Warehouse staff/ store staff click to “update” button of which product they want to update in the cart. | 1. System change the label of selected product quantity to text field for editing the number, the “update” button become the “ok” button. |
| 1. Warehouse staff/ store staff enters the desirable number. 2. Warehouse staff/ store staff click to the “ok” button. | 1. System changes the number of quantity. |

# **Remove the product in cart**

The use case begins when a store staff/warehouse staff remove the product to request cart.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System displays the Send/ Request Stock page with the adding product information such as: item code, item name, item size, item quantity which is 1 as default, “update” button and “x” button next to each item, “Receiving location” dropdown box which contain the location user wants to request the stocks, read-only “Request Item” button, read-only “Send Item” button and “Cancel” button. |
| 1. Warehouse staff/ store staff click to “x” button of which product they want to remove in the cart. | 1. System remove the product information such as product name and product quantity from the cart. |

# **Key Scenarios**

# **Warehouse staff/ store staff cancel the cart**

The warehouse staff/ store staff can cancel the cart and the cart will be empty when create again

# **Other Quality Requirements**

# **Security**

Only the store staff or warehouse staff is allowed to request/ manage the cart.

# **Performance**

It should take less than 2 seconds to search the product once the product code is searched.

# Use-case: Request Item: End-goal

# **Brief Description**

**When** a warehouse staff or store staff

**Wants to** send a request for items in the request cart to the desired location.

**They** click to the request button in the request item page

**So that** the request can be sent to the desired location

# **Trigger**

The products were added to the cart.

# **Actors**.

# **Store staff**

The store staff send a request for items in the request cart to the desired location.

# **Warehouse staff**

The warehouse staff send a request for items in the request cart to the desired location

# **Related Use Cases**

The Warehouse staff/ Store staff must have completed the “Log In” sub-function use case

The cart must have been created by “manage cart” use case.

# **Pre-conditions**

# **Store staff/ Warehouse staff authenticated**

The warehouse staff/ store staff should have authenticated to the system before managing the cart.

# **The products have been added to the cart**

# **Post-conditions**

# **Product added to the request cart**

The cart displays the product name and product quantity.

# **Normal Flow**

The use case begins when a store staff/warehouse send a request for items in the request cart to the desired location.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System displays the Send/ Request Stock page with the adding product information such as: item code, item name, item size, item quantity which is 1 as default, “update” button and “x” button next to each item, “Receiving location” dropdown box which contain the location user wants to request the stocks, read-only “Request Item” button, read-only “Send Item” button and “Cancel” button. |
| 1. Warehouse staff/ store staff choose the receiving location on the dropdown box. | 1. System turns the “Request Item” button and “Send Item” button on. |
| 1. Warehouse staff/ store staff clicks to the “Request Item” button. | 1. System send the request which contains the products information in cart to desired location. 2. System pops up a message “Request successful”. |

The use case ends.

# **Alternate Flows**

# **Cancel Request Item**

The use case begins when a store staff/warehouse cancel a request for items in the request cart.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System displays the Send/ Request Stock page with the adding product information such as: item code, item name, item size, item quantity which is 1 as default, “update” button and “x” button next to each item, “Receiving location” dropdown box which contain the location user wants to request the stocks, read-only “Request Item” button, read-only “Send Item” button and “Cancel” button. |
| 1. Warehouse staff/ store staff click to “Cancel” button. | 1. System display the message to notify the actor “Cancel successful” |
|  | 1. System removes all the products in the cart. |

# **Other Quality Requirements**

# **Security**

Only the store staff or warehouse staff is allowed to request the items.

# **Performance**

It should take less than 2 seconds to send the request.

# Use-case: Create Report: End-goal

# **Brief Description**

**When** a warehouse staff or store staff

**Wants to** Generate a brief report containing sent location, destination location, delivery details (which consists the content details) when there is stock movement between two locations.

**They** click to the “Create report” button in the home interface

**So that** the report can be generated

# **Trigger**

The stock movement between two locations is available.

# **Actors**.

# **Store staff**

The store staff creates the report to check information of the stock movement between two locations.

# **Warehouse staff**

The warehouse staff creates the report to check information of the stock movement between two locations.

# **Related Use Cases**

The Warehouse staff/ Store staff must have completed the “Log In” sub-function use case.

# **Pre-conditions**

# **Store staff/ Warehouse staff authenticated**

The warehouse staff/ store staff should have authenticated to the system before managing the cart.

# **Post-conditions**

# **The report is generated**

The report is generated with the information of the stock movement.

# **Print report**

The report is printed by the printing machine.

# **Normal Flow**

The use case begins when a store staff/warehouse staff generates the report.

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Warehouse staff/ store staff choose “Create Report” button from system home interface. | 1. System direct to the interface which displays a list of the stock movement which has been done. |
| 1. Warehouse staff/ store staff click to the stock movement which they want to see the detail information. | 1. System display the detail information of the selected movement such as sent location, destination location, delivery details, “Print” button and “Back” button. |

The use case ends.

# **Alternate Flows**

# **Print Report**

The use case begins when a store staff/warehouse staff prints the report.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System display the detail information of the selected movement such as sent location, destination location, delivery details, “Print button” and “Back” button. |
| 1. Warehouse staff/ store staff click to “Print” button to print the selected report. | 1. System display the message “Print Successful”. |

# **Cancel View Report**

The use case begins when a store staff/warehouse staff cancel to view the report.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System display the detail information of the selected movement such as sent location, destination location, delivery details, “Print button” and “Back” button. |
| 1. Warehouse staff/ store staff click to “Back” button to cancel View Report. | 1. System backs to the Home interface. |

# **Delete Report**

The use case begins when a store staff/warehouse staff remove the report.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System displays a list of the stock movement which has been done and the “x” button next to each movement. |
| 1. Warehouse staff/ store staff click to “x” button to delete the selected report from the list. | 1. System delete the selected report’s information in the system. |

# **Key Scenarios**

# **Warehouse staff/ store staff cancel view report**

The warehouse staff/ store staff can cancel to view report by hitting the “Back” button.

# **Warehouse staff/ store staff delete the report**

The warehouse staff/ store staff can delete report’s information by hitting the “x” button.

# **Other Quality Requirements**

# **Security**

Only the store staff or warehouse staff is allowed to request/ manage the cart.

# **Performance**

It should take less than 2 seconds to display the list of reports.

# Use-case: Report Faulty: End-goal

# **Brief Description**

**When** a warehouse staff or store staff

**Wants to** Add items to the faulty list when it is found to be damaged.

**They** click to the “Faulty Items” button in the home interface

**So that** the list of faulty items will be displayed and can add new faulty item to the list

# **Trigger**

The item is damaged/faulty and need to leave aside for returning to supplier.

# **Actors**.

# **Store staff**

The store staff add the faulty item to the faulty item list.

# **Warehouse staff**

The warehouse staff add the faulty item to the faulty item list.

# **Related Use Cases**

The Warehouse staff/ Store staff must have completed the “Log In” sub-function use case.

# **Pre-conditions**

# **Store staff/ warehouse staff authenticated**

The warehouse staff/ store staff should have authenticated to the system before managing the cart.

# **The product is available in system**

# **Post-conditions**

# **The item added to the faulty item list**

The selected items added to the faulty item list.

# **View the faulty items list**

The list of faulty items will be displayed after add the item to the list.

# **Normal Flow**

The use case begins when a store staff/warehouse staff adds faulty item to faulty item list.

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Warehouse staff/ store staff choose “Faulty Item” button from system home interface. | 1. System direct to the interface which displays a list of the faulty items, “x” next to each faulty item and “Add faulty item” button. |
| 1. Warehouse staff/ store staff click to “Add faulty item” button. | 1. System display the search bar to search item code to be added. |
| 1. Warehouse staff/ store staff search the item by item code. | 1. System display the searched item information such as item code, item description, the number of item faulty, “Cancel” button and “Add Faulty Item” button. |
| 1. Warehouse staff/ store staff enters the number of faulty item. 2. Warehouse staff/ store staff hits the “Add Faulty Item” button | 1. System displays the “Add Faulty Item Successful” and back to the list of faulty Item. |

The use case ends.

# **Alternate Flows**

# **Cancel Add Faulty Item**

The use case begins when a store staff/warehouse staff cancel to add the new faulty item.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System display the searched item information such as item code, item description, the number of item faulty, “Cancel” button and “Add Faulty Item” button. |
| 1. Warehouse staff/ store staff click to “Cancel” button. | 1. System backs to the list of faulty item. |

# **Delete faulty item**

The use case begins when a store staff/warehouse staff remove the faulty item.

|  |  |
| --- | --- |
| **Actor** | **System** |
|  | 1. System direct to the interface which displays a list of the faulty items, “x” next to each faulty item and “Add faulty item” button. |
| 1. Warehouse staff/ store staff click to “x” button to delete the selected faulty item from the list. | 1. System delete the selected faulty item’s information in the system. |

# **Key Scenarios**

# **Warehouse staff/ store staff cancel add faulty Item**

The warehouse staff/ store staff can cancel to view faulty item by hitting the “Cancel” button.

# **Warehouse staff/ store staff delete the report**

The warehouse staff/ store staff can delete faulty item’s information by hitting the “x” button.

# **Other Quality Requirements**

# **Security**

Only the store staff or warehouse staff is allowed to request/ manage the cart.

# **Performance**

It should take less than 2 seconds to search the product once the list is displayed.