# Casual Use Case Specification: UC04 - MaintainProductList

**Brief Description:**

This use case enables the Inventory Manager to maintain inventory levels in the store and the warehouse.

# Section 1: Business Rule(s):

**BR 4**: KeyNorthNet is the name of Centralized Computer System regarding KNCS’s business.

**BR 5:** All employees must have an ID on KeyNorthNet which is identical with employee number.

**BR 6:** Permission type consists of Authority, Standard user, Customer, Technician.

**BR 7:** The users to be created on KeyNorthNet have to fill up the following fields as mandatory: First name, Department relation, and Permission type.

**BR 11:** The price of the equipment should not exceed the budget of the firm.

**BR 14:** Each expense must have the payment information.

**BR 15:** Attached files are readable.

# Section 2: Scenarios (HD):

**Scenario 1:** **Check inventory levels in the store and the warehouse**

**Preconditions:**

1. Inventory Manager is logged into KeyNorthNet as Authority.
2. To begin with, the system shows the current inventory level.
3. The system displays how many products in the store and warehouse.

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| **Step #** | **Actor (Inventory Manager)** | **System** | **Data Used** |
| 1 | Click to inventory level | Display a list of the current inventory including an inventory number, name and quantity | An inventory number, Product quantity, Product name, Product order date |
| 2 | Check the quantity | Compare the current quantity of products and how many quantity customers need. | Product quantity, Product name |
| 3 | Make a report | Input how many products the company need to order | Product quantity, Product name |
| 4 | Save and submit | The system shows "save" and "submit" button. After the report (Step 3) finished, the user save it and submit. |  |
| 5 | Exit | If the user complete the report (Step 3) and do (Step 4), he click "leave this page", exit |  |

**Successful Post-Conditions:**

1. The new order report is sent to Inventory Manager.

2. Final order report is saved as protected file, so it can be lost by any chance and makes the user only access the information.

**Scenario 2:** **Order products**

**Preconditions:**

1. Inventory Manager is logged into KeyNorthNet as Authority.
2. Inventory Manager has to submit order report on time.
3. The order report should not have any mistake
4. The order report must have following columns: Product name, Product quantity, Supplies, Order date, Receive date

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| **Step #** | **Actor(key actor identifier)** | **System** | **Data Used** |
| 1 | Receive order report | Inventory Manager check the list of order report | Product quantity, Product name |
| 2 | Contact suppliers | Inventory Manager contact suppliers so that he order products |  |
| 3 | Receive products | User receive products he orders and check carefully the quantity and the products are correct. If not, user reorder the product |  |
| 4 | Make a report | User modify new order report that contain order date and receive date and create new expense report | Product quantity, Product name, Order date, Receive date, Suppliers' name and contact, Identification number of expense report |
| 5 | Save and submit | The system shows "save" and "submit" button. After the reports (Step 4) finished, the user save it and submit. |  |
| 6 | Exit | User closes the system |  |

**Successful Post-Conditions:**

1. The new order report is uploaded in the system.
2. Final order report is saved as protected file so it can be lost by any chance and makes the user only access the information.

**Scenario 3:** **Receive expense report**

**Preconditions:**

1. Finance Manager is logged into KeyNorthNet as Authority.
2. Inventory Manager has to submit order reports and expense reports on time.
3. The Final expense report must have the following columns: Product name, Product Quantity, Supplies, Order date, Receive date, Identification number of expense report.

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| **Step #** | **Actor (Inventory Manager)** | **System** | **Data Used** |
| 1 | Receive order reports and expense reports from Inventory Manager | Display the list of submitted order reports and expense reports | Product name, Product Quantity, Supplies, Order date, Receive date, Identification number of expense report. |
| 2 | Check the order reports and expense reports | Finance Manager click the reports and download them |  |
| 3 | Investigate the reports | Check the price of new ordered products from supplies if the price is exceeded. (If so, the report is returned to Inventory Manager with comments) |  |
| 4 | Open final expense report | Open the final report so that user put final expense information | Product name, Product Quantity, Supplies, Order date, Receive date, Identification number of expense report. |
| 5 | Save and upload the file into KeyNorthNet database | Save the file in system and upload the document file so that other authorized employees can see |  |
| 6 | Exit | Closed |  |

**Successful Post-Conditions:**

1. The new expense record in database is uploaded

2. Final expense report is saved as protected file, so it can be lost by any chance and makes the user only access the information.

**Scenario 4: Suggest products for sale**

**Preconditions:**

1. Inventory Manager, Finance Manager and Store Manager are logged into KeyNorthNet as Authority.

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| **Step #** | **Actor(key actor identifier)** | **System** | **Data Used** |
| 1 | Make a report | Inventory Manager make a report about products not sold for some period | Product quantity, Product name, Order date |
| 2 | Save and upload the report | Inventory Manager save the report and upload the document in the system |  |
| 3 | Send it to Finance Manager and Store Manager | Inventory Manager send the report to Finance Manager and Store Manager so that they can know which products need to be sold |  |
| 4 | Meeting | Discuss how to sell surplus products |  |
| 5 | Process surplus goods | Surplus products are sold or processed in many ways |  |
| 6 | Make a new inventory report | Inventory Manager make a new inventory report | current product quantity, name, sold date |
| 5 | Exit | User closes the system |  |

**Successful Post-Conditions:**

1. Surplus products are sold
2. New inventory report is saved as protected file so it can be lost by any chance and only authorized user access the information.