

Iteration 2	
Group Name: Cappuchino	Course code: SYS366SAA
Prepared by: Dayoung Lee	Professor: Mark Buchner
Date: 16/DEC/2017	Title: Inventory Management

Casual Use Case Specification: UC03 - OrderProducts

Brief Description:

This use case enables the Inventory Manager to order products and get them from suppliers

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 9: Every expense report must have identification number; identification number of expense report is generated automatically from system.

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.

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

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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

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 s/he orders 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	Product

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		order report that contain order date and receive date and create new expense report	quantityProduct 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 saves it and submits.	
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.

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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.

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	

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		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

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	Product quantity, Product name, Order date, Receive date, Suppliers' name and contact,

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		report	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:

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

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	

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		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:

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

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	

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		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:

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