Requirement

1.) Product Catalog Product description which customers, cashiers need to know

2.) Stock Record quantity of real product with cost.

3.) Process Sale Make sale

4.) Sale Ledger Record sale

Uses Case

**UC1 :** Add new Product to Product Catalog

**Scope :** Product Catalog

**Level :** user - goal

**Primary Actor :** Purchase Manager, Store Owner

**Pre - Condition :** System Display Product Catalog in Inventory.

**Success Guarantee :** New product has been add to Product Catalog.

**Main Success Scenario :** User select “add”. System change to show an input property of new product (ID, name, price, tag) after fill in every element. User select “done”, system add new Product to Product Catalog and return to Product Catalog. (new Product also have date that It has been added.)

id can be input by barcode scan.

**UC2 :** Edit product description in Product catalog

**Scope :** Product Catalog

**Level :** user - goal

**Primary Actor :** Purchase Manager,Store Owner.

**Pre - condition :** System is on product catalog

**Success Guarantee :** Edit product description include price,tag,etc.Also record date of edit.

**Main Success Scenario :** User select on product show in product catalog, product catalog change to edit product, user input new description to edit an older description.User select “done”, system asked for confirm, user confirm system replace older description with the new one

**Extensions :** 1.) Price is negative (see UC1 extension)

**UC3 :** Remove Product in Product Catalog.

**Scope :** Product Catalog.

**Level :** user-goal

**Primary Actor :** Purchase Manager, Store Owner

**Pre Condition :** System is on Product Catalog

**Success Guarantee :** Product is remove from product Catalog.

add also remove from stock

**Main Success Scenario :** User select on product that want to remove system change to edit product. User select remove product system asked for confirm. User select confirm to confirm remove product. System remove all info. In inventory that relate to removed product. System notify that remove is complete.

**UC4 :** Add item to Stock

**Scope :** Inventory

**Level :** user - goal

**Primary Actor :** Purchase Manager, Store Owner

**Precondition :** System is on stock

**Success Guarantee :** Success in add item to stock

**Main Success scenario :** User select “add”. System change to show an input property of new product (ID, name, cost, price, quantity, tag) after fill in every element. User select “done” and confirm, system add new item to Stock and return to Stock. (new item also have date that It has been added.)

id can be input by barcode scan. (if the item is never added to product catalog the item will be added to the catalog)

**UC5 :** Edit item in Stock

**Scope :** Inventory

**Level :** user - goal

**Primary Actor :** Store Owner

**Precondition :** System is on stock

**Success Guarantee :** Edit item in stock and record date of edit

**Main Success scenario :** User select on product show in stock, and select edit user can change ID and cost.When finish edit user select “done” system asked for confirm, user confirm system replace older detail to the new one and add Date last edit.

**UC6 :** Remove item in stock

**Scope :** Product Catalog

**Level :** user - goal

**Primary Actor :** Store Owner

**Precondition :** System is on stock

**Success Guarantee :** Product is remove from stock

**Main Success Scenario :** User select on product that want to remove system change to edit product. User select remove product system asked for confirm. User select confirm to confirm remove product. System remove all info in stock that relate to removed product system notify that remove is complete.

**UC7 :** Make sale

**Scope :** Sale

**Level :** user - goal

**Primary Actor :** Cashier

**Precondition :** User should stay on sale page and stock already have product to sell.

**Success Guarantee :** Complete sale, item is sold out from stock, and enable for making another sale.

**Main Success scenario :** Cashier make sale by adding product by fill id or scan barcode and they will show quantity and subtotal price in sale line item then select payment. After that cashier get payment from customer and give the change(if it has) then show transaction and keep profit in ledger.

**UC8 :** Scan Barcode

**Scope :** Product Catalog, Stock, Sale

**Level :** user - goal

**Primary Actor :** Purchase manager, Store owner

**Precondition :** While add item to product catalog / stock / sale

**Success Guarantee :** success add item via scanning barcode

**Main Success scenario :** after user select add and select “barcode scan” system start up the camera and ready to scan. After finish scanning, the item will add automatically.

**UC9** **:** Calculate Subtotal price

**Scope** **:** Sale

**Level :** sub - function

**Primary Actor** : Cashier

**Precondition :** Already have product in Sale line item.

**Success Guarantee :** Each total column show correct subtotal price.

**Main Success scenario :** After user add product to Sale line item by scanning barcode or by id with it’s quantity and confirm to sell then Subtotal price will show up in the last column.

**UC10** **:** Calculate Total price (Already include tax)

**Scope** **:** Sale

**Level :** user - goal

**Primary Actor** : Cashier

**Precondition :** User stay on sale page andalready have product in Sale line item.

**Success Guarantee :** Show correct total price .

**Main Success scenario :** After user add product to Sale line item by scanning barcode or by id with it’s quantity and confirm to sell then total price will show summation from all subtotal price.

**UC11** **:** Change price of product

**Scope** **:** Sale

**Level :** sub - function

**Primary Actor** : Cashier

**Precondition :** Already have product in Sale line item.

**Success Guarantee :** The line item of that product will show correct subtotal price from new price also total price.

**Main Success scenario :** When cashier want to change the price of product for that sale(for example when customer bargain price) they select on that product in Sale line item. It will show dialog box to ask for new price then fill new price and select confirm, product price will change.

**UC12** **:** Add SaleLineItem

**Scope** **:** Sale

**Level :** sub - function

**Primary Actor** : Cashier

**Precondition :** Sale line item don’t have product.

**Success Guarantee :** Product appear on sale line item

**Main Success scenario :** After insert item id to input confirm add by add button and input quantity and confirm then item will be shown in sale line item

**UC13** **:** Remove SaleLineItem

**Scope** **:** Sale

**Level :** sub - function

**Primary Actor** : Cashier

**Precondition :** Have item in sale line item

**Success Guarantee :** Item disappear from sale line item

**Main Success scenario :** Cashier remove item by long press on item then the confirm dialog will be shown and item will disappear after confirm

**UC14** **:** Clear SaleLineItem

**Scope** **:** Sale

**Level :** sub - functional

**Primary Actor** : Cashier

**Precondition :** Have item in sale line item.

**Success Guarantee :** All sale line item will be removed out.

**Main Success scenario :** User stay on sale page and have some SaleLineItem, when user want to clear all of these SaleLineItem. User select clear then confirm, all of SaleLineItem will remove out of this sale.

**UC15** **:** Update Stock after making sale

**Scope** **:** Sale

**Level :** sub - function

**Primary Actor** : System

**Precondition :** Payment not confirm

**Success Guarantee :** Item quantity in stock change

**Main Success scenario :** After confirm payment system will change the item quantity

**UC16** **:** Show graph of profit

**Scope** **:** Report

**Level :** user - goal

**Primary Actor** : System

**Precondition : Sale not confirm**

**Success Guarantee :** Graph shown in report

**Main Success scenario :** After confirm payment system will update sale ledger and report will get data to show graph

**UC17** **:** Show receipt of SaleLedger

**Scope** **:** Report

**Level :** user - goal

**Primary Actor** : System

**Precondition :** Don’t have receipt in SaleLedger

**Success Guarantee :** Reciept appear in SaleLedger

**Main Success scenario :** After confirm payment system will add receipt to SaleLedger

**UC18** **:** Choose date to see report in that day

**Scope** **:** Report

**Level :** sub - functional

**Primary Actor** : Manager

**Precondition :** SaleLadger show current date report

**Success Guarantee :** SaleLedger show chosen date report

**Main Success scenario :** After pick date and press search SaleLedger will show report in the chosen date