This is the sales module that accepts input from the user, updates and displays values based on user inputs, some what like the main executor.

In [ ]:
```
#To be able to call this objects in other notebooks
import import_ipynb
```

In [ ]:
```
from utils import prodIsExist, addToSalesRecord, receiptGenerator, onEachSales,reduceInventoryQuantity,productNameFormatter
```

In [ ]:
```
def productPurchase():
    receipt = []

    #Added the while loop so has to perform multiple sales
    while(True):
        #Accept inputs from the user
        productName = input("Enter the name of the product: ")
        print("\n")

        #process the input with the productNameFormatter()
        productName = productNameFormatter(productName)

        #check if the product exist in the inventories
        result = prodIsExist(productName)

        #if it does
        if result:
            #display the product details(category name and other product details)
            print(f"Product details: {result}")
            print("\n")

            #get the unit price of the product from inventories
            sales_price = int(result[1]["price"])
            print(f"{productName} is sold at {sales_price} per unit")
            print("\n")
```

```
            #accept quantity from the user
            quantity = int(input("Enter the number of items: "))
            print("\n")

            #ensure that the quantity available is not more than the user inputted qunatity
            if quantity >= int(result[1]["quantity"]):
                print(f"PLEASE ENTER AN ITEM NUMBER LESS THAN {result[1]['quantity']}")
                print("\n")
                #if it is more than the available qunatity generate a receipt and end the sale process
                receiptGenerator(receipt)
                break

            #calculate the total cost of everything(unitPrice * quantity)
            total_cost = sales_price * quantity
            print(f"Total cost of purchase: {total_cost}")
            print("\n")

            #confirm the sale
            confirm_Sell = input("PLEASE CONFIRM ORDER (Y|y/N|n): ")
            print("\n")

            if confirm_Sell in ["Y","y"]:
                #if confirmed reduce the product available units from the inventories
                reduceInventoryQuantity(productName,quantity)

                #record the purchase details
                addResult = addToSalesRecord(quantity, result, sales_price, productName,total_cost)
                print(addResult[1])

                if(addResult[0]):
                    #add purchase to the receipt
                    receipt.append({"productName":productName,"quantity":quantity,"total":total_cost})
            else:
                #if not comfirmed
                print("ORDER CANCELLED")
                break
        else:
            #if product was not found
            print(f"product {productName} doesn't exist")
```

```
        #do you want to continue shopping ???
        continueShopping = input("Do you want to continue shopping?(Y|y/N|n) : ")
        print("\n")
        #yes i want to continue shopping
        if continueShopping in ["Y","y"]:
            continue
        #no i dont want to continue shopping
        else:
            print("SHOPPING ENDED(CHECKED OUT)")
            print("\n")
            #display receipt
            receiptGenerator(receipt)
            print("\nAnswer to number 6")

            #according to requirement six
            #display results
            onEachSales()
            break

# productPurchase()
```