1. From the problem description, create a list of all classes that you can identify. For each class, list the associated member variables and identify an initial set of member functions.

* - Classes
  + - Variables
    - - Methods
* ItemForSale
  + name
* Transaction
  + Int hour
  + Int minute
  + Int second
  + Int ID
  + ItemForSale item
  + Double cost
  + Double profit
    - Transaction(int hour, int minute, int second, ItemForSale item, double cost, double profit)
    - Int generateID()
    - getters/setters for each member variable
    - String toString()
* Driver
  + Transaction[] transactions
  + Item[] itemsForSale
  + Int choice
    - Void menuDisplay()
    - Void processTransacation(Transacation transacation, int ID)
    - Void voidTransacation(Transacation transacation)
    - Void summaryOfTransacation()
    - Void Sort(String typeOfSort)

1. List out a set of steps that you will take to implement your solution to the problem. Each step refers to an increment of the program that you will be creating. It is recommended to complete the implementation of a single logical action per step (i.e. a step for listing of doctors/patients, a step for looking up a doctor/patient by name, etc.)
2. Create ItemForSale, and Transaction .h & cpp files
3. create driver program, implement working menu.
4. create functions for driver program, ProcessTransaction, voidTransation, SummaryOfTransacation, and sort.