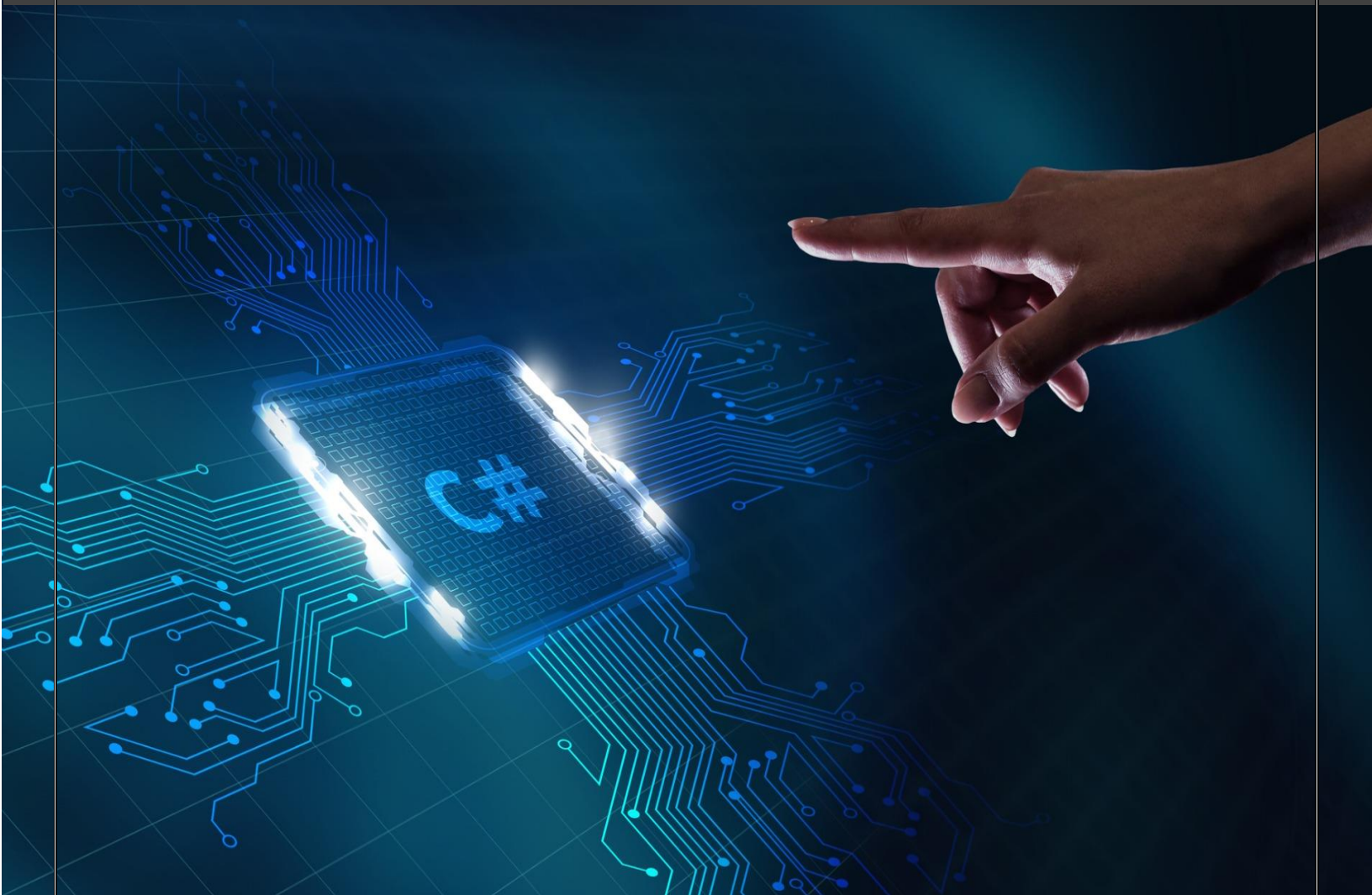


2021 | Zeyad Adel | Abdelrahman Mohamed | Youssef Mahmoud



PHARMACY SYSTEM

[Dr: Shaimaa Ali – Eng: Razan Saeid]

Project Details

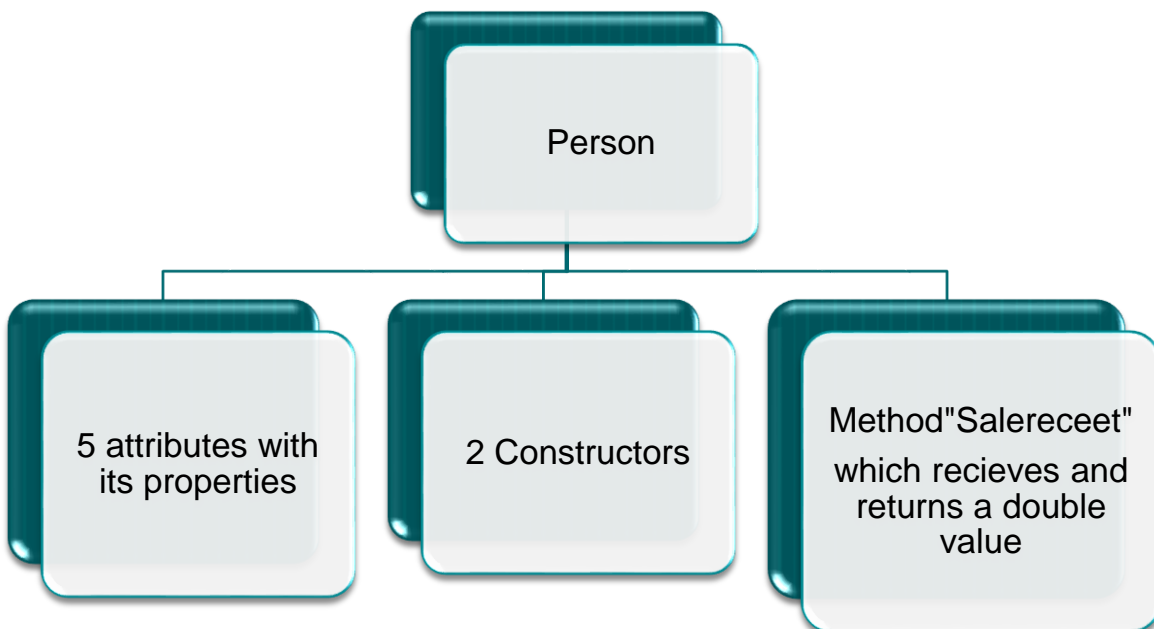
Classes used:

- **Person class:**

It contains 5 attributes which are the information of the normal person, In order to keep such sensitive data safe it must be private and be accessed by properties

∴ We have 5 other properties included in this class in order to access the attributes with normal getters and setters

- We got also 2 constructors in order to initialize the data (default one and the other taking 5 parameters)
- A method named by "Salereceet" which is applied by relation between Person class and an interface class called Isales.



- **Customer class:**

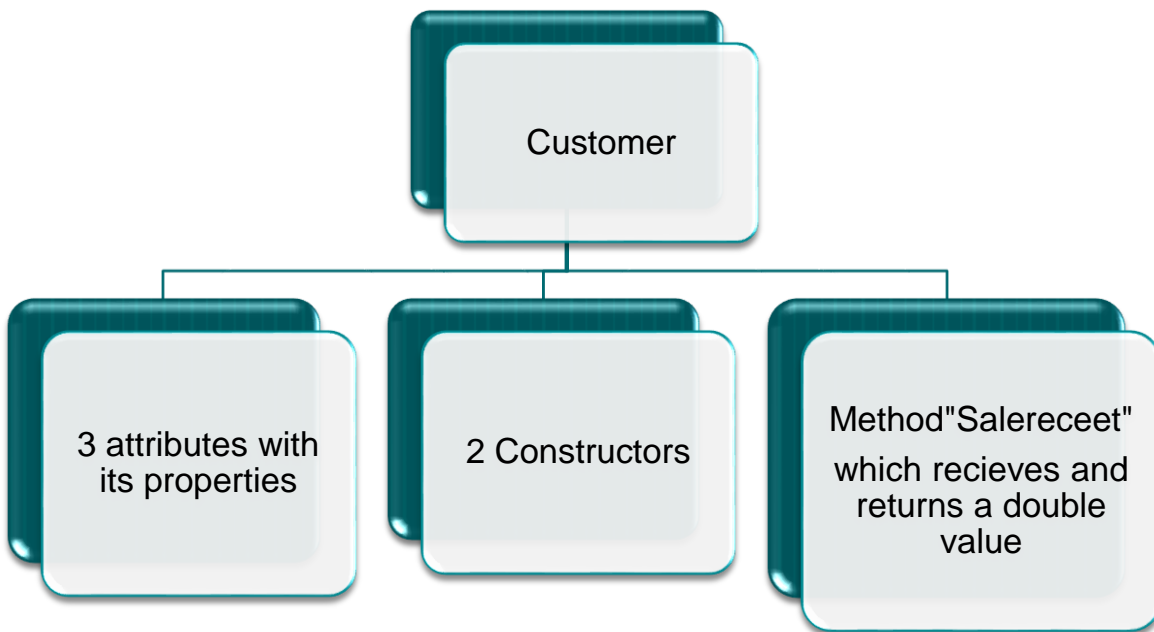
(inherits from person)

It contains 3 specific attributes which are id with type int and total purchases & sale of double type there access modifier must be private to keep it safe

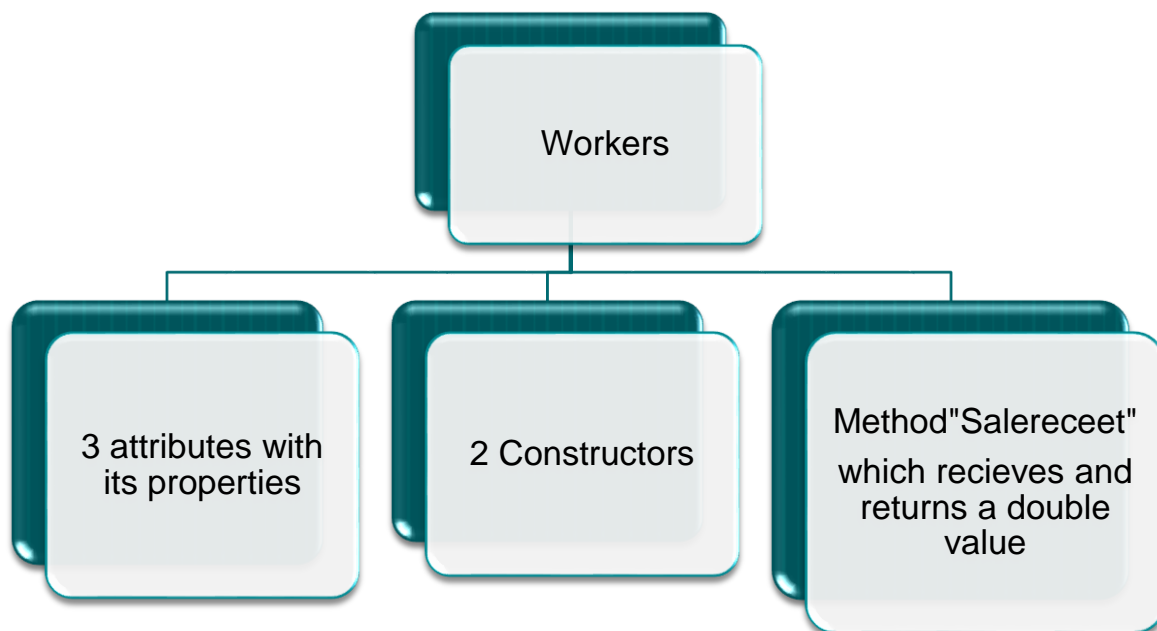
∴ We have 3 properties to access them

It contains also a list of type product named "ordercus".

- We got also 2 Constructors a default one and the other with parameters (initialization here will be for id only and the others will be initialized in class person constructor)
- A method named by "Salereceet" which has the functionality to calculate the sale for the order according to the cost paid for the order and return it after the sale.



- **Workers class:**
(inherits from person)
It contains 3 specific attributes experience & id of type int and salary of type double there access modifier must be private to keep it safe.
∴ We have 3 properties to access them
Note:
Setter of the salary and the initialization of it in the constructor will be the experience of the worker * 1000 (more experience claimed more salary paid)
 - We got also 2 constructors a default one and the other with parameters
 - A method named by “Salereceet ” which calculates a sale to all the workers.

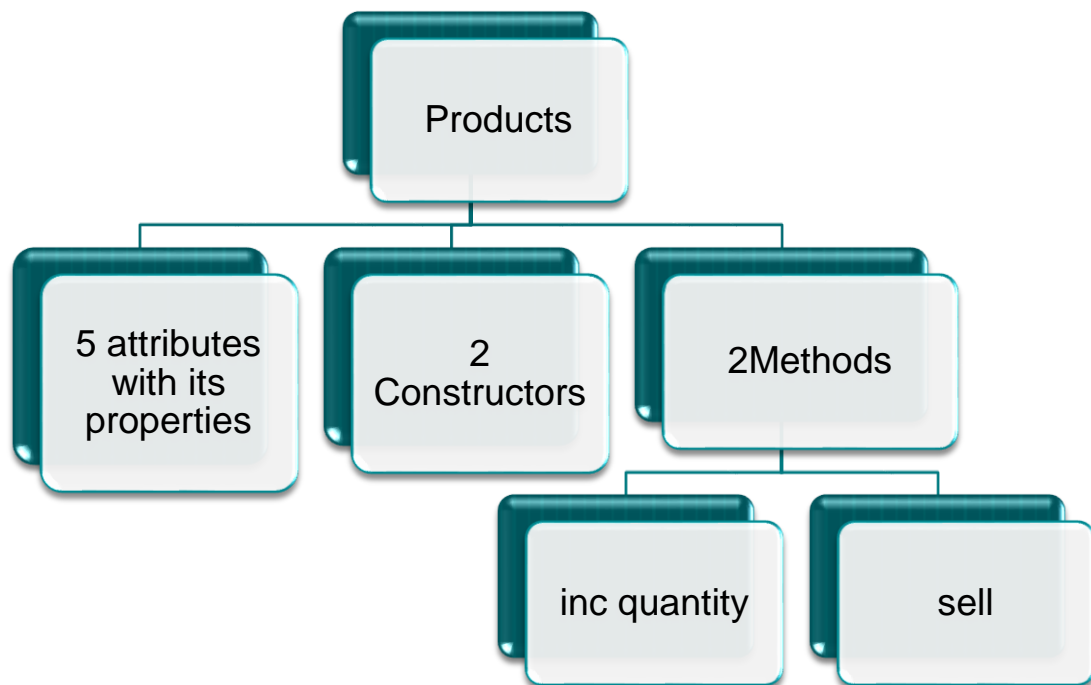


- **Products class:**

It contains 5 attributes productName & location of type string and quantity & quantitysoled of int type and a double attribute price, access modifier must be private to keep it safe.

∴ We have 5 properties to access them

- We got also 2 constructors a default one and the other initializes 3 only which are the name, price and the quantity.
- 2 methods increment quantity to increase number of a specific product & void method sell which takes the amount sold and decrement it from quantity & increment it to quantity soled



Forms:

Welcome Sir

A pharmacy your family can trust.
Always there to care.

Did we serve you before..?

Enter

Staff

PHARMA PH

Starting form of the system

By clicking on staff button

We will go to the workers form

Worker

Enter Your ID Please...

Name: _____

Age: _____

Gender: _____

Phone Number: _____

Address: _____

Salary: _____

Stores

By clicking on stores button it will
be transferred to the store button

Store

0 of (0)

Product Name:

PACK SIZE:

Id #:

of packages:

Price of package:

Num of packages Search

	Product Name	PACK SIZE	Id #	# of packages	Price of package
*					

We have here a full access for all the products included in the stores

We can use the search engine to determine the shortage in the store to be recovered

Welcome Sir


A pharmacy your family can trust.

Always there to care.

Did we serve you before..?

Enter

Staff



Submit an answer (yes/no)

Customer

Enter Your ID Please...

Name:

Age:

Gender:

Phone Number:

Address:

Next >

In case of yes

You will enter the id to get your data and next button will go to order form

New Customer

Please Enter The New Customer Info :

Name:

Age:

Gender: ☒ Male ☐ Female

Phone Number:

Address:

Save **Proceed**

In case of no

You will enter the whole data and save it by save button

Then click on proceed to make your order

Order

Governorate **Region**

Proceed

Medicine:

Quantity:

Price:

0

Add To Cart


Enter the data for your order

After each product you enter click on add to cart

Then after you finish click on proceed

Robot

☐ I am not a robot



Check out to make sure you are not a robot hacking the system

UML:

