

**Gebze Technical University
Computer Engineering**

CSE 222 – 2021

Homework 3 Report

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1. SYSTEM REQUIREMENTS

The system is generally a merchandising store.

The main requirement in a store are items and must be stored by type in a classroom.

There must be an employee in this store.

Must be a administrator in the store.

Items sold in this system must be replenished.

It should be in the customers as the purpose of creating the system.

Customers contain private information and the system must record it.

4. PROBLEM SOLUTION APPROACH

The program opens as 4 branches first and can be added-subtracted.

The program starts with an administrator and can be added.

The program starts with an employee and can be added.

Different customers can enter the program and do shopping respectively.

Employees can query and fetch products from the system.

Employees can view the customer's past orders.

5. TEST CASES

A new branch opening or closing test can be done to the program.

Admin add-remove can be made.

Employee add-remove can be made.

Customers can register.

The customer may attempt incorrect password.

The products may run out.

Order history can be viewed.

6. RUNNING AND RESULTS

```
public Test_Senarios() {
    System.out.println("\nTest senarios is Start!\n");

    Company company = new Company();

    /* Company open a new branch and remove a branch*/
    company.removeBranch( index: 3);
    company.removeBranch( index: 0);
    company.removeBranch( index: 1);
    company.addBranch();
    company.ShowStock();

    /* Administrator take a new branch employee */
    company.addEmployee( name: "Furkan" , surname: "Aydin" );

    /* Administrator look stock */
    company.Admin_takeStock();

    /* Administrator look stock */
    company.Employees_takeStock();

    /* Create a new customer*/
    company.takeCustomer( name: "ilker", surname: "AY", e_mail: "asd@gtu.edu.tr", password: 270, adress: "çayirova", phone: "542");

    /* Start shopping*/
    company.shopping( name: "ilker", Surname: "AY", password: 270, goods: "Office chairs", item: 1, color: 4);
    company.shopping( name: "ilker", Surname: "AY", password: 270, goods: "Office desks", item: 2, color: 1);
    company.shopping( name: "ilker", Surname: "AY", password: 270, goods: "Meeting tables", item: 1, color: 3);

    /* See last shopping*/
    company.ask_LastShopping( name: "ilker", Surname: "AY", password: 270);

    System.out.println("\nTest senarios is finish!");
}
```

Test senarios is Start!

---> Administrator closed Branch 4

---> Administrator closed Branch 1

---> Administrator closed Branch 2

---> Administrator add a new Branch

Branch 1 Stock :

Office chairs model 1 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	color5->stock:1
Office chairs model 2 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	color5->stock:1
Office chairs model 3 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	color5->stock:1
Office chairs model 4 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	color5->stock:1
Office chairs model 5 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	color5->stock:1
Office chairs model 6 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	color5->stock:1
Office chairs model 7 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	color5->stock:1
Office desks model 1 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Office desks model 2 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Office desks model 3 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Office desks model 4 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Office desks model 5 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 1 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 2 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 3 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 4 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 5 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 6 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 7 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 8 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 9 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Meeting tables model 10 have	color1->stock:1	color2->stock:1	color3->stock:1	color4->stock:1	
Bookcases model 1 have	color1->stock:1				
Bookcases model 2 have	color1->stock:1				
Bookcases model 3 have	color1->stock:1				
Bookcases model 4 have	color1->stock:1				
Bookcases model 5 have	color1->stock:1				
Bookcases model 6 have	color1->stock:1				
Bookcases model 7 have	color1->stock:1				

Branch 2 Stock :

[illegible]

Bookcases	model	1	have	color1->stock:1
Bookcases	model	2	have	color1->stock:1
Bookcases	model	3	have	color1->stock:1
Bookcases	model	4	have	color1->stock:1
Bookcases	model	5	have	color1->stock:1
Bookcases	model	6	have	color1->stock:1
Bookcases	model	7	have	color1->stock:1
Bookcases	model	8	have	color1->stock:1
Bookcases	model	9	have	color1->stock:1
Bookcases	model	10	have	color1->stock:1
Bookcases	model	11	have	color1->stock:1
Bookcases	model	12	have	color1->stock:1
Office cabinets	model	1	have	color1->stock:1
Office cabinets	model	2	have	color1->stock:1
Office cabinets	model	3	have	color1->stock:1
Office cabinets	model	4	have	color1->stock:1
Office cabinets	model	5	have	color1->stock:1
Office cabinets	model	6	have	color1->stock:1
Office cabinets	model	7	have	color1->stock:1
Office cabinets	model	8	have	color1->stock:1
Office cabinets	model	9	have	color1->stock:1
Office cabinets	model	10	have	color1->stock:1
Office cabinets	model	11	have	color1->stock:1
Office cabinets	model	12	have	color1->stock:1

---> Administrator add a new Branch Employee is :Furkan Aydin

Administrator look at the stock

Now Branch Stock is FULL .

Branch Employees look at the stock

Now Branch Stock is FULL .

New Customer ilker AY in a Branch

ilker AY take a Office chairs

ilker AY take a Office desks

ilker AY take a Meeting tables

ilker AY last shopping :

Office chairs

Office desks

Meeting tables

Test senarios is finish!

Process finished with exit code 0