GIT Department of Computer Engineering
CSE 222/505 - Spring 2021
Homework 1 Report

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SYSTEM REQUIREMENTS:

I created this homework on Windows 10 using terminal (Java Development Kit).My java version is 11.0.8 .You need to compile “Company.java” in order to test my homework.There are java files, a folder named “Javadoc” that includes javadoc files and report file in my homework. I used System.arraycopy() in my homework which is not a third party method.

PROBLEM SOLUTION APPROACH:

I used object oriented techniques while doing this homework as asked. First, i created User interface and Furniture abstract class to ensure Polymorphism. Then, i wrote Administrator, BranchEmployee and Customer classes implements User.Each of these classes has their own methods and methods from User.I wrote classes inherits Furniture (OfficeChair, OfficeDesk etc.). Finally, i wrote Company class.In that class i wrote a menu function to provide interactivity.
In this menu you can test my homework.There is manual registration for Administrator and BranchEmployee.Branch numbers start from 1 and increases bye one.
You can login as Admininstrator using “admin” as email and “1234” as password.You can also login as BranchEmployee using the number of the branch as first input and “1234” as password. For example by default there are 4 branches. If you want to login as 3rd branch’s employee, you need to enter 3.

TEST CASES:

I tested some cases during the next pages.But , i didn’t test all possible cases.I created a menu.So, you can interact with the program and test any case you want.

1. I entered 3 and got to Customer Menu. Then, i entered 3. I typed email, name, surname and password. I registered to the system.

2. I entered 1. I selected a furniture and typed phone and address. Messages are printed out.

3. I entered 5 and saw my previous orders.

4. I tried login. Since, i am already online i got a message.

5. I entered 2. It listed all of the furnitures in each branch.

6. I got back to main menu. I entered as admin to the system. (email : admin, password : 1234)

7. I entered 1 and added a branch to the system. Entered 3 and showed that new branch is here.

8. I entered 2 and removed the last branch from the system. Entered 3 and showed that last branch is not here anymore.

9. I entered 4 and saw admin's wishlist.

10. I got back to main menu and logged into the system as a branch employee. (3 for branch number and 1234 for password).

11. I tried to remove a furniture that doesn't exist at that point and got an error message.

12. I selected a furniture and added to branch. I entered 3 and showed that furniture list is updated.

13. I created a new customer as a branch employee. I bought furnitures for that customer.

14. I entered the customer number and I saw the previous order.

Scanned with CamScanner

15. I entered email and password wrong at the admin login page and got an error message.

16. Entered Branch Number wrong while BranchEmployee login. Got an error message.

17. Entered password wrong while BranchEmployee login. Got an error message.

18. While there is no customers in the customerList tried to see previous orders of a customer. Got a message.

19. As a BranchEmployee i removed a furniture from the branch's list.

20. As a customer, i bough furniture in-store.

21. As a customer, i registered to system and logged out. Then, i entered email and password right and successfully logged in to the system.

22. I registered to system and didn't buy anything. So; there is no previous orders for this customer. When i enter 5 i got an message says "There is no previous orders".

(I took screenshots continuously. So, texts on the bottom represents the last objective on the screenshots.)

I didn't know what to do for testing my cases. So, i wrote the cases on a page and added screenshots.

Scanned with CamScanner

~/java/cse222/xx

```
emr3s@DESKTOP-POGAK7B ~/java/cse222/xx
$ javac Company.java
emr3s@DESKTOP-POGAK7B ~/java/cse222/xx
$ java Company
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
3
Enter email :
emresezer@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
You are logged in.Your customer number is 1
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
```

Type here to search
ENG
TRQ
17:07
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```
~/java/cse222/xx
$ javac Company.java
emr3s@DESKTOP-POGAK7B ~/java/cse222/xx
$ java Company
                    WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
3
                    CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
3
Enter email :
emresezer@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
You are logged in.Your customer number is 1
                    CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
1
Dou want to buy in-store or online? (0 for online, 1 for in-Store)
Please enter a number :
0
Select the furrniture from list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
5) Office Cabinet
3
Enter the Model Number(0-9)
3
Enter the Color Number(0-3)
3
Enter the Branch Number
3
Enter how many of the selected furniture you want to buy :
3
Enter phone :
123123
Enter address :
Kadikoy, Acibadem
Dear manager, there is lack of items in Branch :
You added 3 Meeting Table : Branch 3, Model 3, Color 3
You removed 3 Meeting Table : Branch 3, Model 3, Color 3
You bought 3 Meeting Table : Branch 3, Model 3, Color 3
                    CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
```

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~/java/cse222/xx

```
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
3
Enter email :
emresezer@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
You are logged in.Your customer number is 1
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
1
Dou want to buy in-store or online? (0 for online, 1 for in-Store)
Please enter a number :
0
Select the furrniture from list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
5) Office Cabinet
3
Enter the Model Number(0-9)
3
Enter the Color Number(0-3)
3
Enter the Branch Number
3
Enter how many of the selected furniture you want to buy :
3
Enter phone :
123123
Enter address :
Kadikoy, Acibadem
Dear manager, there is lack of items in Branch :
You added 3 Meeting Table : Branch 3, Model 3, Color 3
You removed 3 Meeting Table : Branch 3, Model 3, Color 3
You bought 3 Meeting Table : Branch 3, Model 3, Color 3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
5
Order no: 1 , Meeting Table : Branch 3, Model 3, Color 3, Phone: 123123, Address :Kadikoy, Acibadem
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
```

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~/java/cse222/xx

```
emresezer@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
You are logged in.Your customer number is 1
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
1
Dou want to buy in-store or online? (0 for online, 1 for in-Store)
Please enter a number :
0
Select the furrniture from list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
5) Office Cabinet
3
Enter the Model Number(0-9)
3
Enter the Color Number(0-3)
3
Enter the Branch Number
3
Enter how many of the selected furniture you want to buy :
3
Enter phone :
123123
Enter address :
Kadikoy, Acibadem
Dear manager, there is lack of items in Branch :
You added 3 Meeting Table : Branch 3, Model 3, Color 3
You removed 3 Meeting Table : Branch 3, Model 3, Color 3
You bought 3 Meeting Table : Branch 3, Model 3, Color 3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
5
Order no: 1 , Meeting Table : Branch 3, Model 3, Color 3, Phone: 123123, Address :Kadikoy, Acibadem
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
4
You are already logged in
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
```

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```
5
Order no: 1 , Meeting Table : Branch 3, Model 3, Color 3, Phone: 123123, Address :Kadikoy, Acibadem
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
4
You are already logged in
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
2
PRODUCT LIST :
4
BRANCH 1 :
Office Chair : Branch 1, Model 1, Color 0
Office Chair : Branch 1, Model 1, Color 0
Office Desk : Branch 1, Model 1, Color 1
Office Desk : Branch 1, Model 1, Color 1
Meeting Table : Branch 1, Model 4, Color 2
Meeting Table : Branch 1, Model 3, Color 1
Bookcase : Branch 1 , Model 5
Office Cabinet : Branch 1 , Model 6

BRANCH 2 :
Office Chair : Branch 2, Model 1, Color 0
Office Chair : Branch 2, Model 1, Color 0
Office Desk : Branch 2, Model 1, Color 1
Office Desk : Branch 2, Model 1, Color 1
Meeting Table : Branch 2, Model 4, Color 2
Meeting Table : Branch 2, Model 3, Color 1
Bookcase : Branch 2 , Model 5
Office Cabinet : Branch 2 , Model 6

BRANCH 3 :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6

BRANCH 4 :
Office Chair : Branch 4, Model 1, Color 0
Office Chair : Branch 4, Model 1, Color 0
Office Desk : Branch 4, Model 1, Color 1
Office Desk : Branch 4, Model 1, Color 1
Meeting Table : Branch 4, Model 4, Color 2
Meeting Table : Branch 4, Model 3, Color 1
Bookcase : Branch 4 , Model 5
Office Cabinet : Branch 4 , Model 6

                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
```

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```
Office Chair : Branch 1, Model 1, Color 0
Office Chair : Branch 1, Model 1, Color 0
Office Desk : Branch 1, Model 1, Color 1
Office Desk : Branch 1, Model 1, Color 1
Meeting Table : Branch 1, Model 4, Color 2
Meeting Table : Branch 1, Model 3, Color 1
Bookcase : Branch 1 , Model 5
Office Cabinet : Branch 1 , Model 6

BRANCH 2 :
Office Chair : Branch 2, Model 1, Color 0
Office Chair : Branch 2, Model 1, Color 0
Office Desk : Branch 2, Model 1, Color 1
Office Desk : Branch 2, Model 1, Color 1
Meeting Table : Branch 2, Model 4, Color 2
Meeting Table : Branch 2, Model 3, Color 1
Bookcase : Branch 2 , Model 5
Office Cabinet : Branch 2 , Model 6

BRANCH 3 :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6

BRANCH 4 :
Office Chair : Branch 4, Model 1, Color 0
Office Chair : Branch 4, Model 1, Color 0
Office Desk : Branch 4, Model 1, Color 1
Office Desk : Branch 4, Model 1, Color 1
Meeting Table : Branch 4, Model 4, Color 2
Meeting Table : Branch 4, Model 3, Color 1
Bookcase : Branch 4 , Model 5
Office Cabinet : Branch 4 , Model 6

                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
0
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
1
                ADMIN LOGIN
0) Back
1) Login
Please enter a number :
1
Enter email :
admin
Enter password :
1234
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
```

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```
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3) Show Product List
4) Show Wishes
Please enter a number :
1
Number : 4
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
3
PRODUCT LIST :
BRANCH 1 :
Office Chair : Branch 1, Model 1, Color 0
Office Chair : Branch 1, Model 1, Color 0
Office Desk : Branch 1, Model 1, Color 1
Office Desk : Branch 1, Model 1, Color 1
Meeting Table : Branch 1, Model 4, Color 2
Meeting Table : Branch 1, Model 3, Color 1
Bookcase : Branch 1 , Model 5
Office Cabinet : Branch 1 , Model 6

BRANCH 2 :
Office Chair : Branch 2, Model 1, Color 0
Office Chair : Branch 2, Model 1, Color 0
Office Desk : Branch 2, Model 1, Color 1
Office Desk : Branch 2, Model 1, Color 1
Meeting Table : Branch 2, Model 4, Color 2
Meeting Table : Branch 2, Model 3, Color 1
Bookcase : Branch 2 , Model 5
Office Cabinet : Branch 2 , Model 6

BRANCH 3 :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6

BRANCH 4 :
Office Chair : Branch 4, Model 1, Color 0
Office Chair : Branch 4, Model 1, Color 0
Office Desk : Branch 4, Model 1, Color 1
Office Desk : Branch 4, Model 1, Color 1
Meeting Table : Branch 4, Model 4, Color 2
Meeting Table : Branch 4, Model 3, Color 1
Bookcase : Branch 4 , Model 5
Office Cabinet : Branch 4 , Model 6

BRANCH 5 :
Office Chair : Branch 5, Model 1, Color 0
Office Chair : Branch 5, Model 1, Color 0
Office Desk : Branch 5, Model 1, Color 1
Office Desk : Branch 5, Model 1, Color 1
Meeting Table : Branch 5, Model 4, Color 2
Meeting Table : Branch 5, Model 3, Color 1
Bookcase : Branch 5 , Model 5
Office Cabinet : Branch 5 , Model 6

                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
```

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~/java/cse222/xx

```
Office Desk : Branch 5, Model 1, Color 1
Office Desk : Branch 5, Model 1, Color 1
Meeting Table : Branch 5, Model 4, Color 2
Meeting Table : Branch 5, Model 3, Color 1
Bookcase : Branch 5 , Model 5
Office Cabinet : Branch 5 , Model 6

                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
2
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
3
PRODUCT LIST :
BRANCH 1 :
Office Chair : Branch 1, Model 1, Color 0
Office Chair : Branch 1, Model 1, Color 0
Office Desk : Branch 1, Model 1, Color 1
Office Desk : Branch 1, Model 1, Color 1
Meeting Table : Branch 1, Model 4, Color 2
Meeting Table : Branch 1, Model 3, Color 1
Bookcase : Branch 1 , Model 5
Office Cabinet : Branch 1 , Model 6

BRANCH 2 :
Office Chair : Branch 2, Model 1, Color 0
Office Chair : Branch 2, Model 1, Color 0
Office Desk : Branch 2, Model 1, Color 1
Office Desk : Branch 2, Model 1, Color 1
Meeting Table : Branch 2, Model 4, Color 2
Meeting Table : Branch 2, Model 3, Color 1
Bookcase : Branch 2 , Model 5
Office Cabinet : Branch 2 , Model 6

BRANCH 3 :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6

BRANCH 4 :
Office Chair : Branch 4, Model 1, Color 0
Office Chair : Branch 4, Model 1, Color 0
Office Desk : Branch 4, Model 1, Color 1
Office Desk : Branch 4, Model 1, Color 1
Meeting Table : Branch 4, Model 4, Color 2
Meeting Table : Branch 4, Model 3, Color 1
Bookcase : Branch 4 , Model 5
Office Cabinet : Branch 4 , Model 6

                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
```

Type here to search

ENG
TRQ
17:12
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```
~/java/cse222/xx
4) Login
5) See Previous Orders
Please Type the Action You Want:
1
Dou want to buy in-store or online? (0 for online, 1 for in-Store)
Please enter a number :
0
Select the furniture from list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
5) Office Cabinet
3
Enter the Model Number(0-9)
3
Enter the Color Number(0-3)
3
Enter the Branch Number
3
Enter how many of the selected furniture you want to buy :
3
Enter phone :
123123
Enter address :
Kadikoy, Acibadem
Dear manager, there is lack of items in Branch :
You added 3 Meeting Table : Branch 3, Model 3, Color 3
You removed 3 Meeting Table : Branch 3, Model 3, Color 3
You bought 3 Meeting Table : Branch 3, Model 3, Color 3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
0
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
1
                ADMIN LOGIN
0) Back
1) Login
Please enter a number :
1
Enter email :
admin
Enter password :
1234
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
4
Item number: 3Furniture : Meeting Table : Branch 3, Model 3, Color 3
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
```

Type here to search
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~/java/cse222/xx

```
Kadikoy, Acibadem
Dear manager, there is lack of items in Branch :
You added 3 Meeting Table : Branch 3, Model 3, Color 3
You removed 3 Meeting Table : Branch 3, Model 3, Color 3
You bought 3 Meeting Table : Branch 3, Model 3, Color 3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
0
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
1
                ADMIN LOGIN
0) Back
1) Login
Please enter a number :
1
Enter email :
admin
Enter password :
1234
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
4
Item number: 3Furniture : Meeting Table : Branch 3, Model 3, Color 3
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
0
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
2
                BRANCH EMPLOYEE LOGIN
0) Back
1) Login
Please enter a number :
1
Enter Branch Number :
3
Enter password :
1234
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
```

Type here to search

ENG
TRQ
17:19
12/03/2021

```
~/java/cse222/xx
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
1
                ADMIN LOGIN
0) Back
1) Login
Please enter a number :
1
Enter email :
admin
Enter password :
1234
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
4
Item number: 3Furniture : Meeting Table : Branch 3, Model 3, Color 3
                ADMIN MENU
0) Logout
1) Add Branch
2) Remove Branch
3) Show Product List
4) Show Wishes
Please enter a number :
0
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
2
                BRANCH EMPLOYEE LOGIN
0) Back
1) Login
Please enter a number :
1
Enter Branch Number :
3
Enter password :
1234
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
2
Enter how many items you want :
1
Select the furniture from the list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
3) Office Cabinet
4
Enter the Model Number(0-12)
12
There is not enough items

emr3s@DESKTOP-POGAK7B ~/java/cse222/xx
$
```

Type here to search
ENG
TRQ
17:20
12/03/2021

~/java/cse222/xx

```
Enter Branch Number :
3
Enter password :
1234
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
3
PRODUCT LIST :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
1
Enter how many items you want :
2
Select the furniture from the list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
3) Office Cabinet
4
Enter the Model Number(0-12)
5
You added 2 Bookcase : Branch 3 , Model 5
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
3
PRODUCT LIST :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6
Bookcase : Branch 3 , Model 5
Bookcase : Branch 3 , Model 5
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
```

Type here to search

ENG
TRQ
17:25
12/03/2021

```
~/java/cse222/xx
3) Meeting Table
4) Bookcase
3) Office Cabinet
4
Enter the Model Number(0-12)
5
You added 2 Bookcase : Branch 3 , Model 5
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
3
PRODUCT LIST :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6
Bookcase : Branch 3 , Model 5
Bookcase : Branch 3 , Model 5
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
5
Enter email :
emresezer2@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
Enter phone :
123123123
Enter address :
Kadikoy, Moda
Select the furniture from the list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
3) Office Cabinet
4
Enter the Model Number(0-12)
1
Enter how many of the selected furniture you want to buy :
5
Dear manager, there is lack of items in Branch :
You added 5 Bookcase : Branch 3 , Model 1
You removed 5 Bookcase : Branch 3 , Model 1
You bought 5 Bookcase : Branch 3 , Model 1
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
```

Type here to search
ENG
TRQ
17:28
12/03/2021

~/java/cse222/xx

```
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
3
PRODUCT LIST :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6
Bookcase : Branch 3 , Model 5
Bookcase : Branch 3 , Model 5
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
5
Enter email :
emresezer2@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
Enter phone :
123123123
Enter address :
Kadikoy, Moda
Select the furniture from the list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
3) Office Cabinet
4
Enter the Model Number(0-12)
1
Enter how many of the selected furniture you want to buy :
5
Dear manager, there is lack of items in Branch :
You added 5 Bookcase : Branch 3 , Model 1
You removed 5 Bookcase : Branch 3 , Model 1
You bought 5 Bookcase : Branch 3 , Model 1
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
4
Enter the customer number :
1
Order no: 1 , Bookcase : Branch 3 , Model 1, Phone: 123123123, Address :Kadikoy, Moda
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
```

Type here to search
ENG
TRQ
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12/03/2021

~/java/cse222/xx

```
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
3
PRODUCT LIST :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6
Bookcase : Branch 3 , Model 5
Bookcase : Branch 3 , Model 5
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
5
Enter email :
emresezer2@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
Enter phone :
123123123
Enter address :
Kadikoy, Moda
Select the furniture from the list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
3) Office Cabinet
4
Enter the Model Number(0-12)
1
Enter how many of the selected furniture you want to buy :
5
Dear manager, there is lack of items in Branch :
You added 5 Bookcase : Branch 3 , Model 1
You removed 5 Bookcase : Branch 3 , Model 1
You bought 5 Bookcase : Branch 3 , Model 1
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
4
Enter the customer number :
1
Order no: 1 , Bookcase : Branch 3 , Model 1, Phone: 123123123, Address :Kadikoy, Moda
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
```

Type here to search
ENG
TRQ
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~/java/hw1

```
emr3s@DESKTOP-POGAK7B ~
$ cd java

emr3s@DESKTOP-POGAK7B ~/java
$ cd hw1

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ javac Company.java

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ java Company
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
1
                ADMIN LOGIN
0) Back
1) Login
Please enter a number :
1
Enter email :(You need to enter admin)
asdasd
Enter password :(You need to enter 1234)
asdasd
LOGIN FAILED
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
```

Type here to search

ENG
TRQ
18:28
13/03/2021

~/java/hw1

```
emr3s@DESKTOP-POGAK7B ~/java/hw1
$ javac Company.java

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ java Company
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
2
                BRANCH EMPLOYEE LOGIN
0) Back
1) Login
Please enter a number :
1
Enter Branch Number :
7
Enter password :(You need to enter 1234)
1234
Branch Employee Login Failed
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
```

Type here to search
ENG
TRQ
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```
~/java/hw1

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ javac Company.java

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ java Company
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
2
                BRANCH EMPLOYEE LOGIN
0) Back
1) Login
Please enter a number :
1
Enter Branch Number :
7
Enter password :(You need to enter 1234)
1234
Branch Employee Login Failed
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
2
                BRANCH EMPLOYEE LOGIN
0) Back
1) Login
Please enter a number :
1
Enter Branch Number :
3
Enter password :(You need to enter 1234)
asdasdas
Branch Employee Login Failed
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
```

Type here to search
ENG
TRQ
18:39
13/03/2021

~/java/hw1

```
emr3s@DESKTOP-POGAK7B ~/java/hw1
$ javac Company.java
emr3s@DESKTOP-POGAK7B ~/java/hw1
$ java Company
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
2
                BRANCH EMPLOYEE LOGIN
0) Back
1) Login
Please enter a number :
1
Enter Branch Number :
3
Enter password :(You need to enter 1234)
1234
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
4
Enter the customer number :
3
There is no such a customer
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
```

Type here to search
ENG
TRQ
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```
~/java/hw1
2
                BRANCH EMPLOYEE LOGIN
0) Back
1) Login
Please enter a number :
1
Enter Branch Number :
3
Enter password :(You need to enter 1234)
1234
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
4
Enter the customer number :
3
There is no such a customer
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
3
PRODUCT LIST :
Office Chair : Branch 3, Model 1, Color 0
Office Chair : Branch 3, Model 1, Color 0
Office Desk : Branch 3, Model 1, Color 1
Office Desk : Branch 3, Model 1, Color 1
Meeting Table : Branch 3, Model 4, Color 2
Meeting Table : Branch 3, Model 3, Color 1
Bookcase : Branch 3 , Model 5
Office Cabinet : Branch 3 , Model 6
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
2
Enter how many items you want :
1
Select the furniture from the list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
5) Office Cabinet
2
Enter the Model Number(0-4)
1
Enter the Color Number(0-3)
1
You removed 1 Office Desk : Branch 3, Model 1, Color 1
                BRANCH EMPLOYEE MENU
0) Logout
1) Add Furniture
2) Remove Furniture
3) Show Product List
4) See Previous Orders of Customer
5) Create New Customer
Please enter a number :
```

Type here to search
ENG
TRQ
18:46
13/03/2021

```
~/java/hw1

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ javac Company.java
emr3s@DESKTOP-POGAK7B ~/java/hw1
$ java Company
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
1
Dou want to buy in-store or online? (0 for online, 1 for in-Store)
Please enter a number :
1
Enter email :
emrezz@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
Enter phone :
123123
Enter address :
Kadikoy, Feneryolu
Enter the branch Number:
3
Select the furniture from the list
1) Office Chair
2) Office Desk
3) Meeting Table
4) Bookcase
5) Office Cabinet
4
Enter the Model Number(0-12)
11
Enter how many of the selected furniture you want to buy :
1
Dear manager, there is lack of items in Branch :
You added 1 Bookcase : Branch 3 , Model 11
You removed 1 Bookcase : Branch 3 , Model 11
You bought 1 Bookcase : Branch 3 , Model 11
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
```

Type here to search
ENG
TRQ
19:02
13/03/2021

```
~/java/hw1

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ javac Company.java

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ java Company
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
3
Enter email :
emre@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
You are logged in.Your customer number is 1
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
0
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
4
Enter email :
emre@gmail.com
Enter Password :
1234
You are logged in.Your customer number is 1
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
```

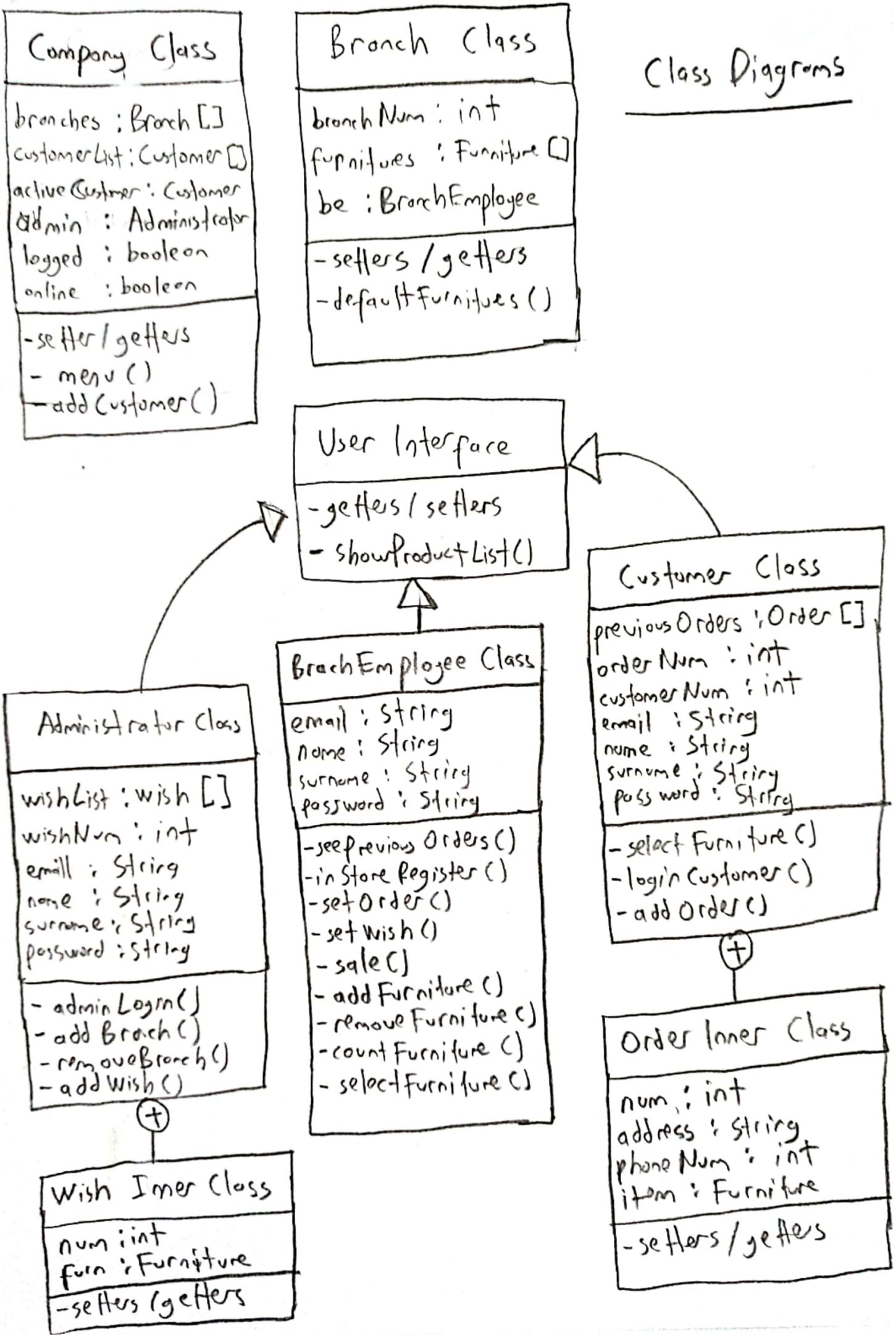
Type here to search
ENG
TRQ
19:04
13/03/2021

~/java/hw1

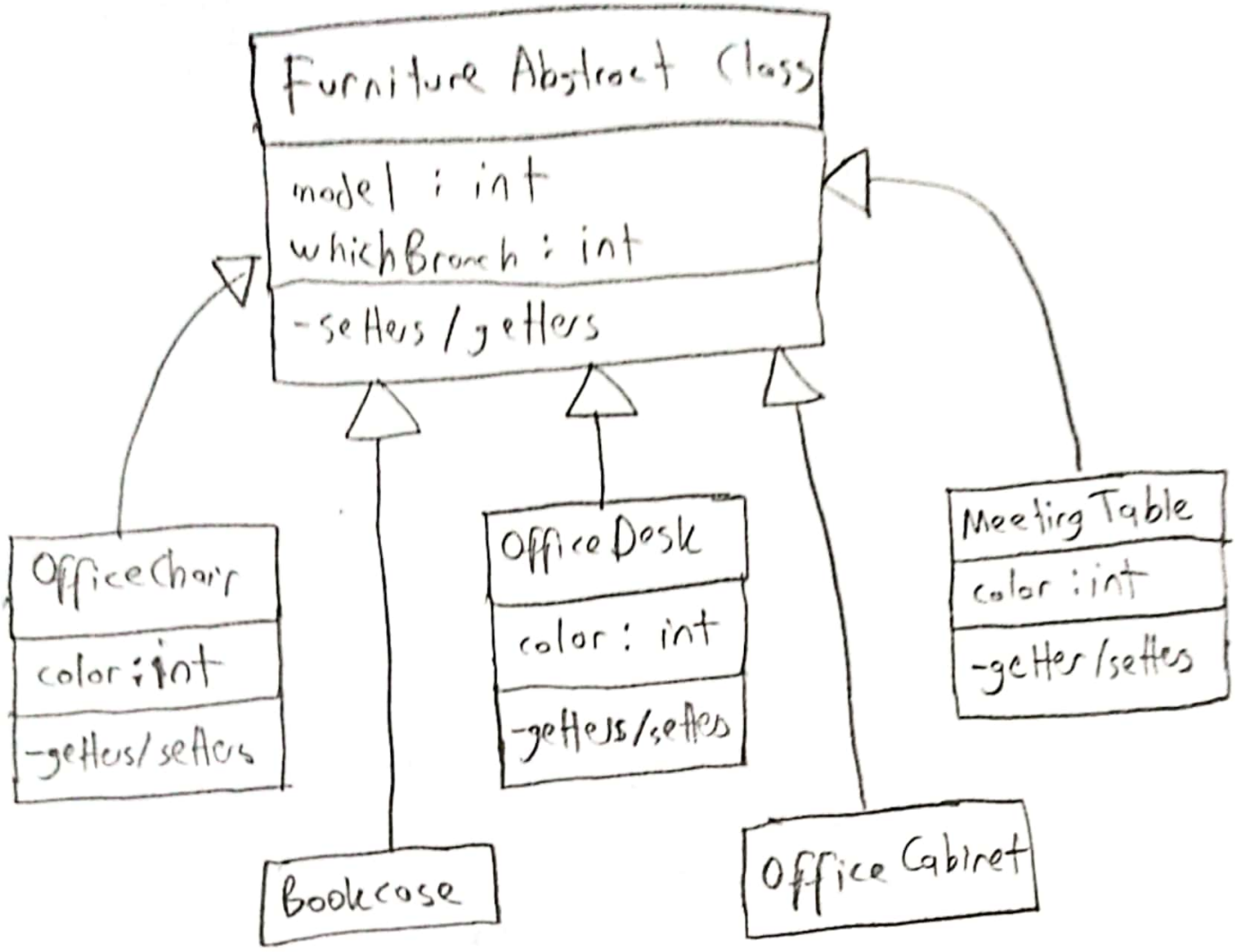
```
emr3s@DESKTOP-POGAK7B ~/java/hw1
$ javac Company.java

emr3s@DESKTOP-POGAK7B ~/java/hw1
$ java Company
                WELCOME TO MAIN MENU
Please Select the User Type:
0) Exit:
1) Admin:
2) Branch Employee:
3) Customer:
3
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
3
Enter email :
Emre@gmail.com
Enter Name :
Emre
Enter Surname :
Sezer
Enter Password :
1234
You are logged in.Your customer number is 1
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
5
There is no previous orders
                CUSTOMER MENU
0) Back
1) Show Products and Buy
2) Show Product List
3) Register
4) Login
5) See Previous Orders
Please Type the Action You Want:
```

Type here to search
ENG
TRQ
19:08
13/03/2021

Class Diagrams



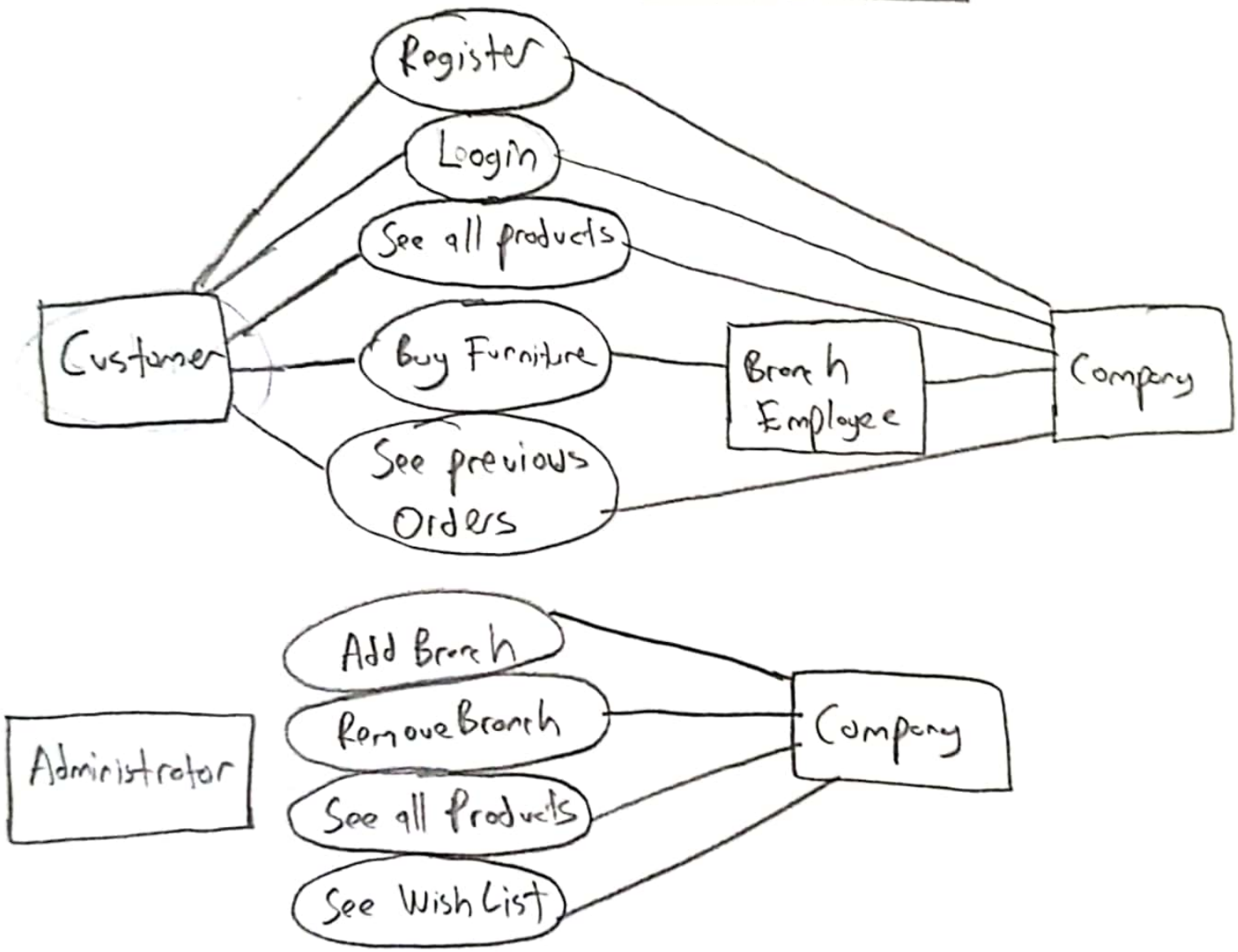
Scanned with CamScanner



Class Diagrams

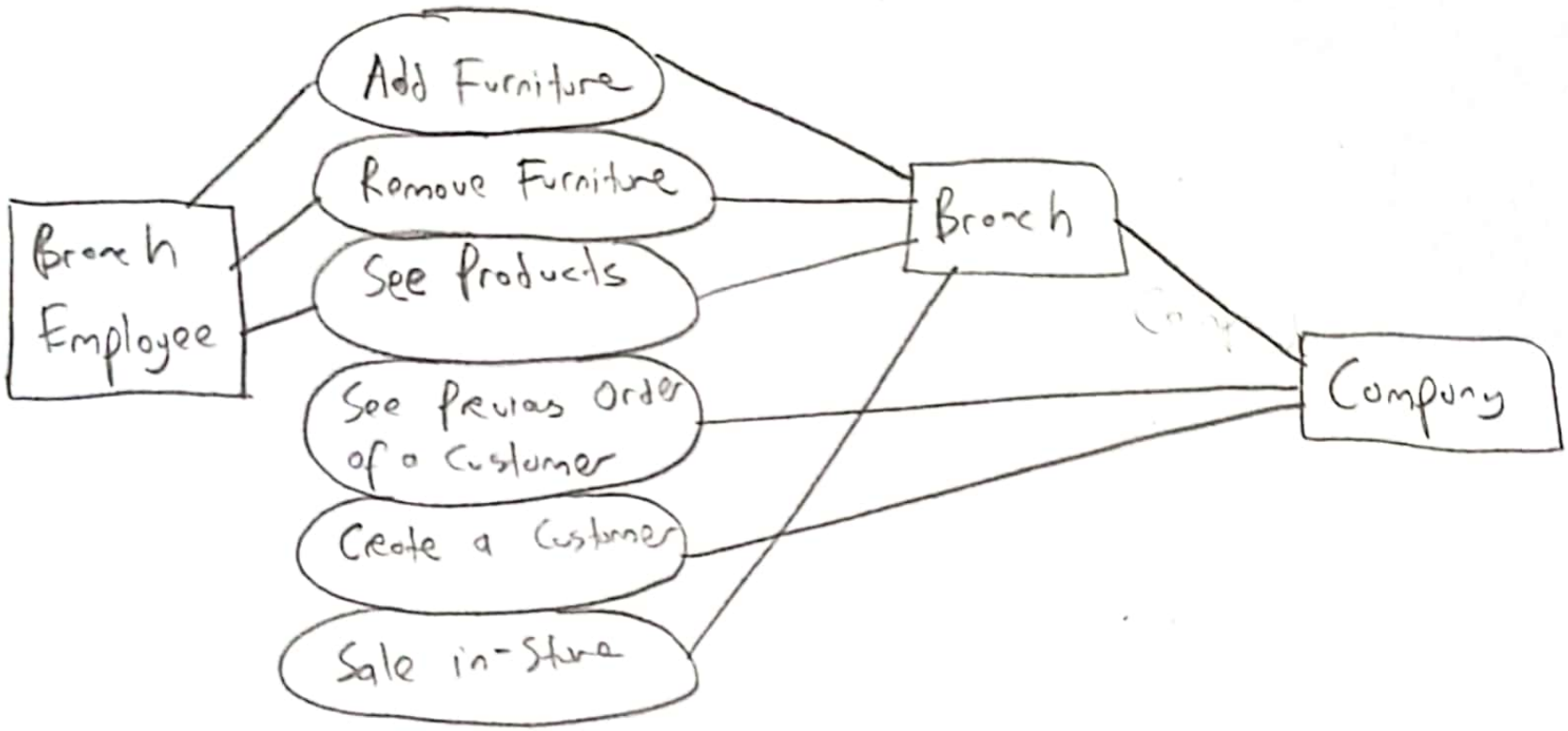
Scanned with CamScanner

Case Diagrams



Scanned with CamScanner

Case Diagrams



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