

GIT Department of Computer Engineering
CSE 222/505 - Spring 2020
Homework 01 part02 Report

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1. SYSTEM REQUIREMENTS:

a: functional requirements of the system:

>> **C**eo should start the system

>> ceo must be able to add and remove administrators

>> ceo shall be able to access administrators list

>> administrators shall be able to access the branch list, branch employee list and transportation personnel list in the system.

>> administrator shall be able to create branches in the system.

>> The administrator must be able to remove branches from the system.

>> every registered user must be able to login to their pages.

>> The administrator shall be able to hire and fire branch employees and transportation personnel to/from the system.

>> every user has should have his/her own related pages after login to the system.

>> branch employees shall be able to register and delete a customer from the system.

>> branch employee shall be able to access all the customers who are registered to the cargo company whether to send some package or only registered and didn't send any package yet.

>> branch employee shall be able to change the status of a package until the delivery process.

>> transportation personnel shall be able to update the system and shall be able to delete a delivered package.

>> Customers can log in to the system by their name surname tacking number and shall be able to see their package info.

>>a customer can send only one package a time.

>>branch employee can access all the packages in the cargo company and changes their status which is in the same branch.

b: Non functional requirements of the system:

a) Portability:

this system can be applied to any cargo company, of course, it has a lot to be added to the system.

b)Errore handaling:

>> security is concerned in this system since every class has its own access scope.

>> class User is abstract which's the reference variable can refer to the objects of the class Administrator, Branch, BranchEmployee, TransportationPersonnel and Customer classes.

Customer class can refer to one object of type Package class.

>> classes of Administrator, BranchEmployee TransportationPersonnel and Customer each should hold a reference to an object of type Branch class.

>> name, surname, id, tracking numbers should be accessed via class methods and should be private variables.

>> CEO can access all the administrators in the system and via administrators, he/she can access all the branches, branch employees transportation personnel and registered customers.

>> administrators can access all the branch employees, branches, transportation personnel, and registered customers.

Branch employees can access all the registered customers and related packages to be sent.

>> transportation personnel can only access related packages in the system.

>> customers can only display their cargo info.

>> error handling is considered in this system. error handling like INDEX OUT OF BOUND EXCEPTIONS AND NUMBER FORMAT EXCEPTIONS are handled using try and catch mechanism.

c) **Maintainability:**

>> the system should be maintainable meaning we must be able to look up the code after a long time and understand it easily and could be able to expand the functionality of the system and make changes to the old program.

>> arrays used in this system must be flexible (dynamic). and any programmer who works on it should be able to make changes on it.

d) **Reliability:**

>> the system should be free of bugs and reliable to anyone.

>> avoid null pointer access in the system.

e) **Performance:**

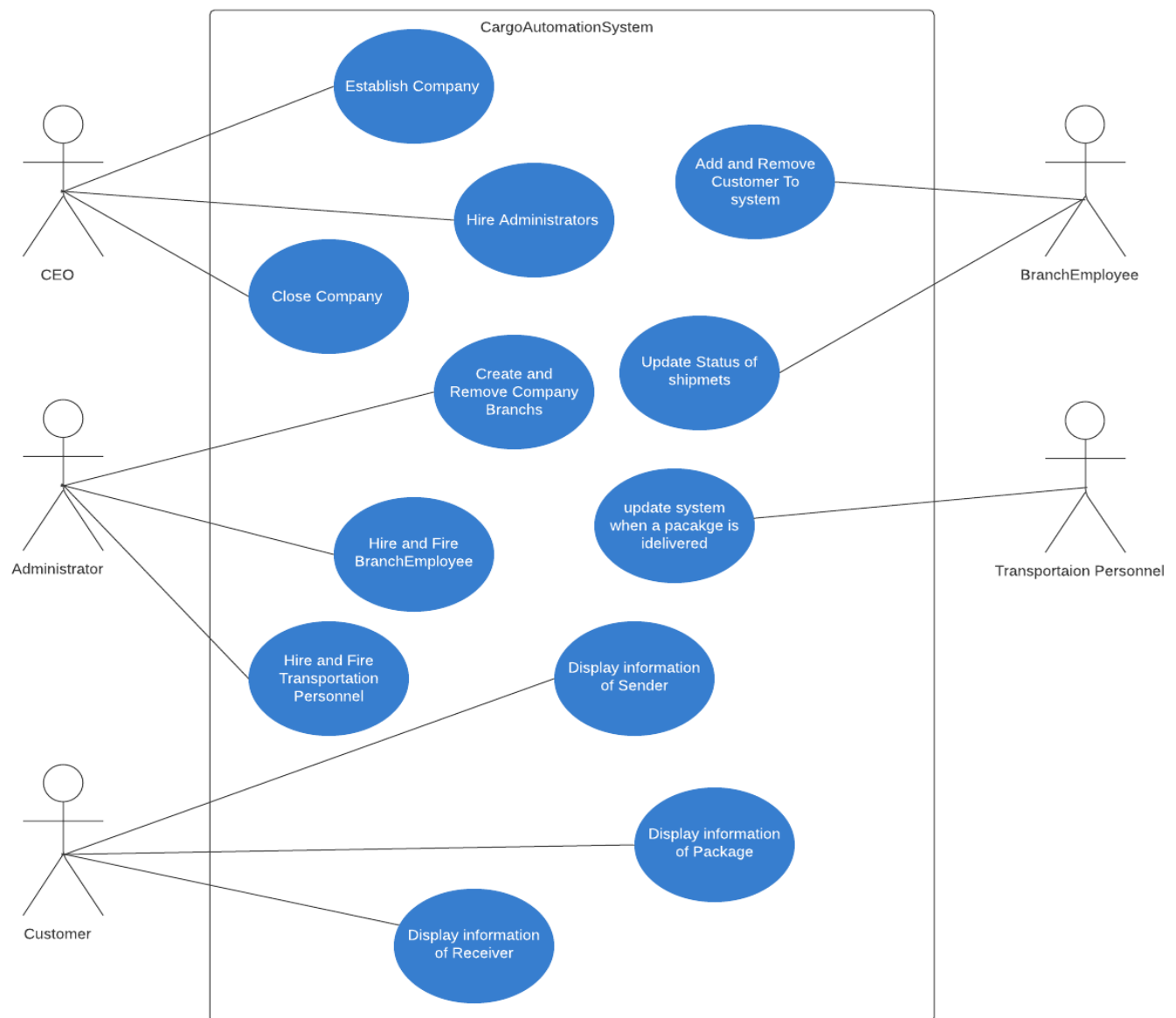
>> The system should respond in a satisfactory manner so that users of the system be pleased with the performance of the system.

f) **Reusability:**

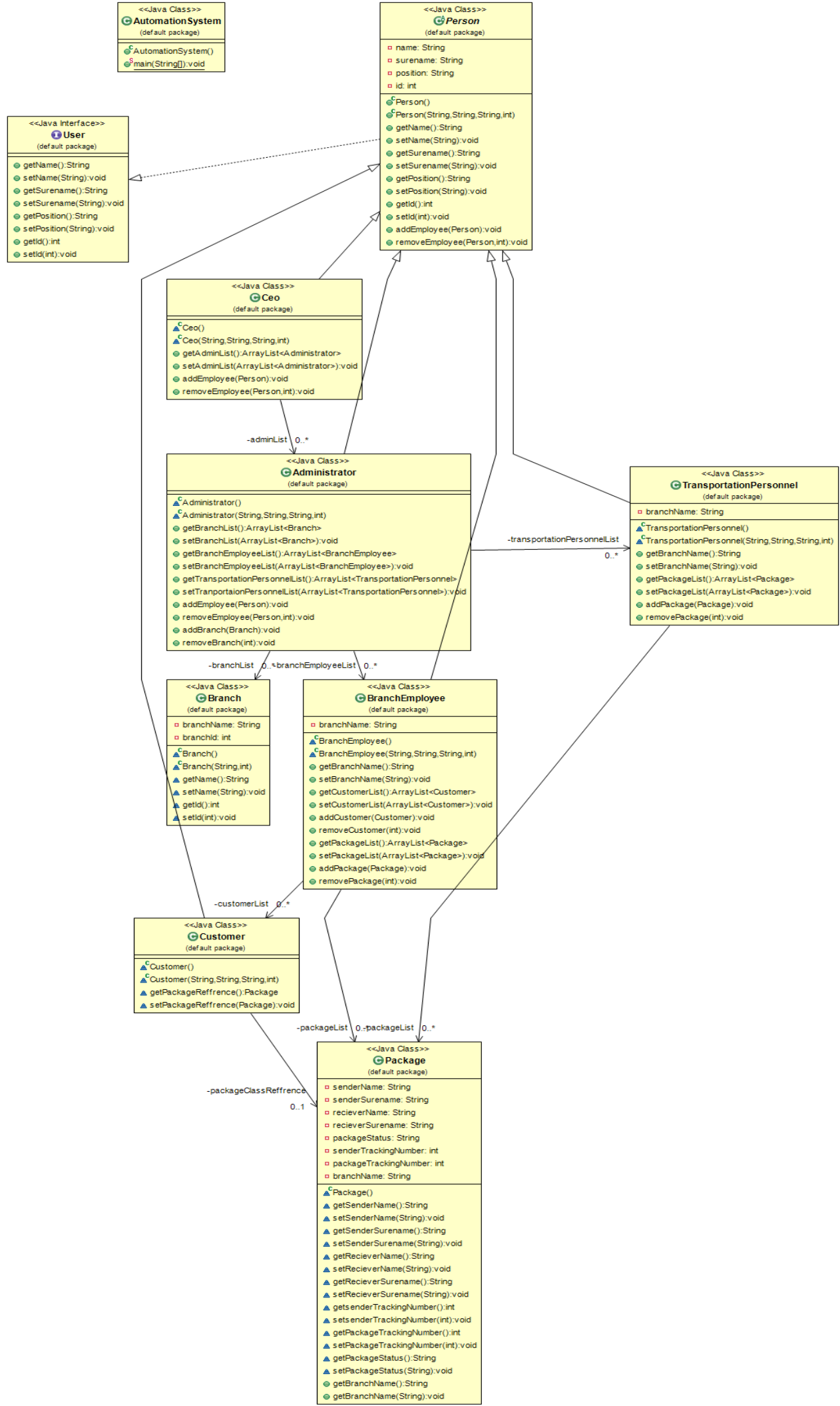
>> create functions of the portions of the code which have the same or different inputs but same or different outputs.

>> make use of inheritance, make an abstract class of parent class make variables and methods used differently in different child classes.

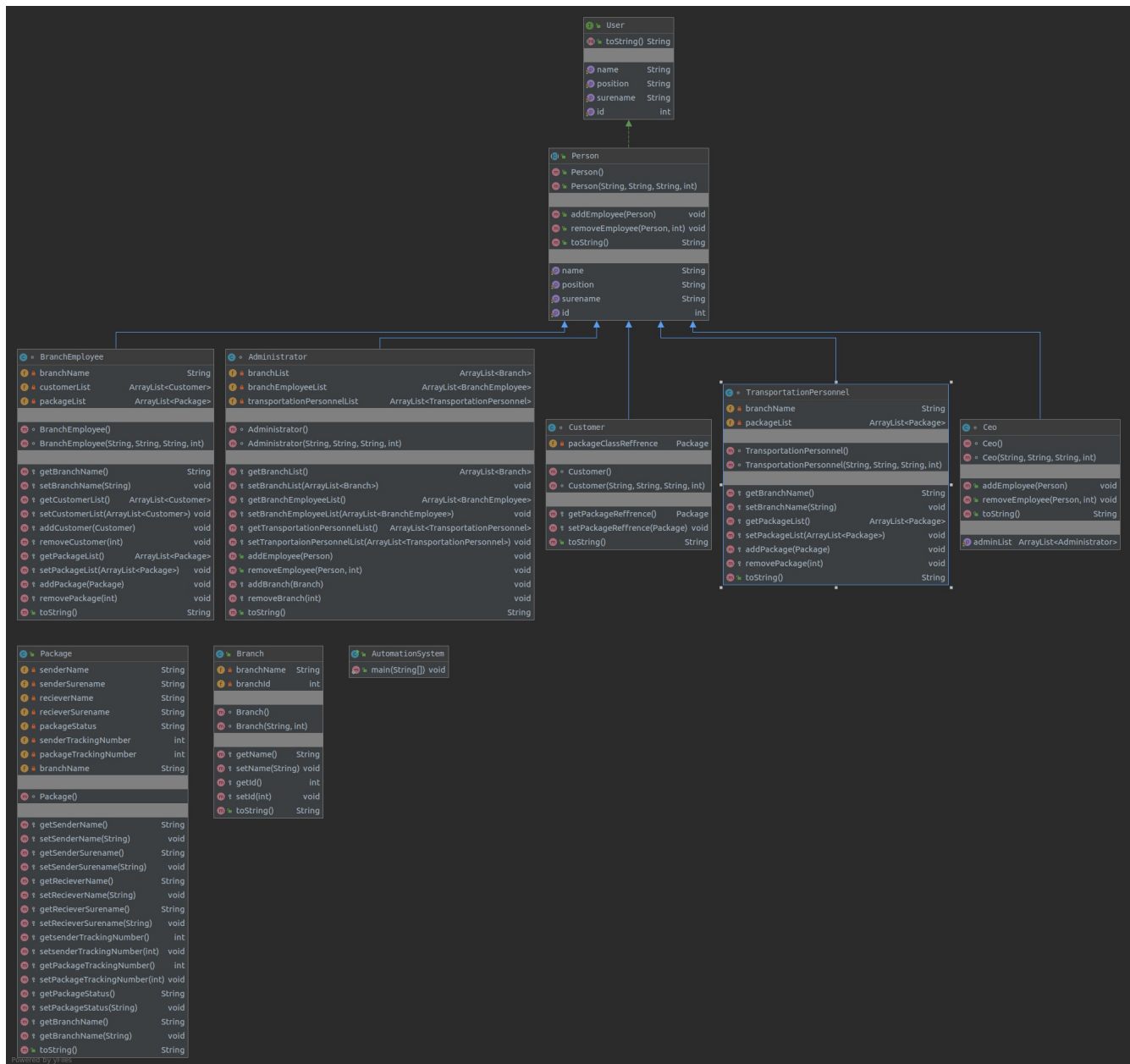
2. USE CASE DIAGRAMS:



3. CLASS DIAGRAMS: using eclips:



3. CLASS DIAGRAMS: using intelli j:



4. OTHER DIAGRAMS:

5. PROBLEM SOLUTION APPROACH:

>> list of the users of the system is recorded in collection framework called array list
>> we make use of object oriented programming language in this cargo automation system ,every entity is treated as object users shipments and branches each are individual objects by their own.
>> in case to make more secure the system we have classes with a certain area of access to the elements.

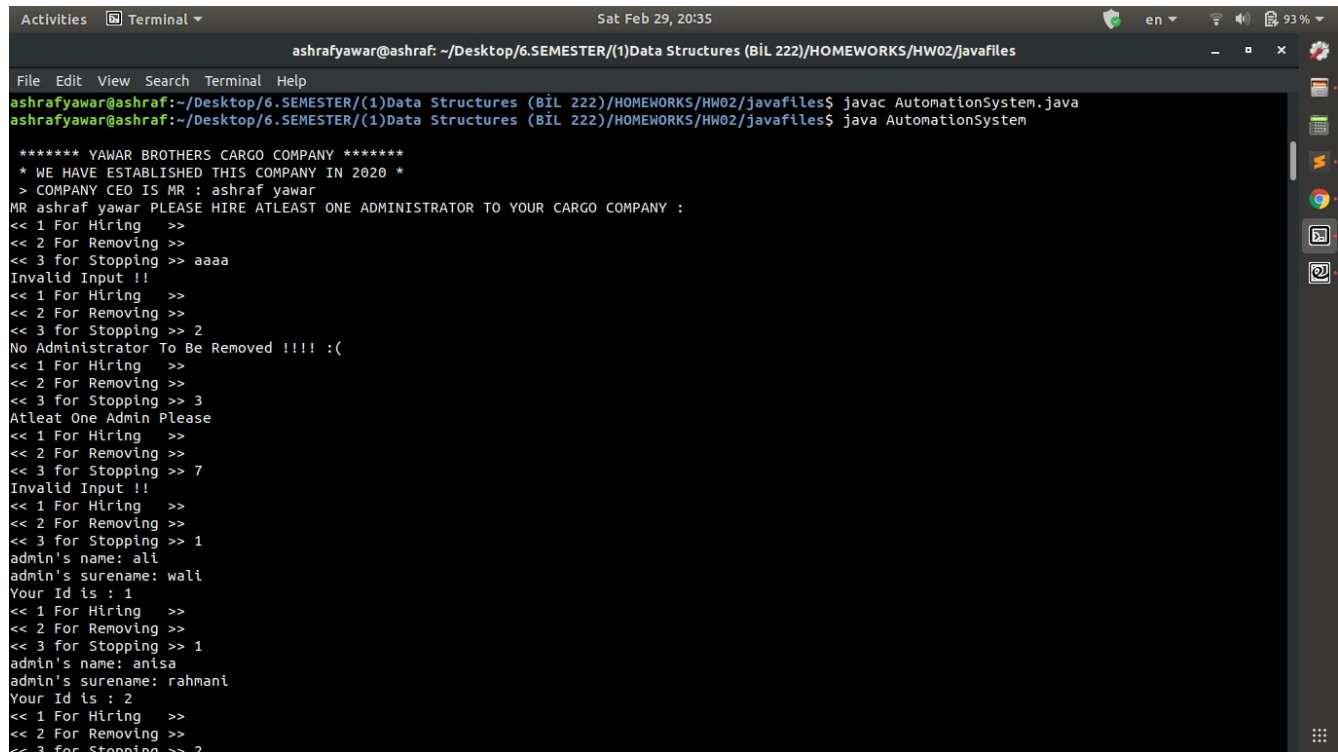
>> to maintain the system it must be easy to do so , we have a interface names user which is parent of all the user classes in the system and hold some common abstract methods in it.

>> there is a login page from which any type of user can enter to the system of course he or she must be registered before .

6. RUNNING AND RESULTS:

screen shoots:

screenshots from beginning of the program till the end with all tested scenarios:



```
ashrafyaware@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
ashrafyaware@ashraf:~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles$ javac AutomationSystem.java
ashrafyaware@ashraf:~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles$ java AutomationSystem

***** YAWAR BROTHERS CARGO COMPANY *****
* WE HAVE ESTABLISHED THIS COMPANY IN 2020 *
> COMPANY CEO IS MR : ashraf yawar
MR ashraf yawar PLEASE HIRE ATLEAST ONE ADMINISTRATOR TO YOUR CARGO COMPANY :
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> aaaa
Invalid Input !!
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> 2
No Administrator To Be Removed !!!! :(
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> 3
Atleast One Admin Please
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> 7
Invalid Input !!
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> 1
admin's name: ali
admin's surname: wali
Your Id is : 1
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> 1
admin's name: anisa
admin's surname: rahmani
Your Id is : 2
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> 2
```



```
Activities Terminal Sat Feb 29, 20:35 ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
<< 2 For Removing >>
<< 3 for Stopping >> 2
Available Administrators >>
0: ali wali
1: anisa rahmani
Enter Index: 4
oops Wrong Index !! ENTER correct Index :)
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> 2
Available Administrators >>
0: ali wali
1: anisa rahmani
Enter Index: 1
Administrator At Index 1 Ha been removed Successfully :)
<< 1 For Hiring >>
<< 2 For Removing >>
<< 3 for Stopping >> 3

*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : ali
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ali
SureName:wali
Position:Administrator
Id:1
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
```

```
Activities Terminal Sat Feb 29, 20:35 ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 8
ERROE Enter Commands Between 1 And 7 !!!!!
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 1
Branch Name: aras kargo
Branch Id is: 3
aras kargo Branch Has Been Established :)
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 1
Branch Name: bing kargo
Branch Id is: 4
bing kargo Branch Has Been Established :)
***** Admin Page *****
```

```
Activities Terminal Sat Feb 29, 20:36 ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
bing kargo Branch Has Been Established :)
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 2
Active Branchs In Our Company :
0:aras kargo 1:bing kargo
Enter The branchIndex Of A Branch In Order To Delete It : 3
oops Wrong Index !! ENTER correct Index :)
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 2
Active Branchs In Our Company :
0:aras kargo 1:bing kargo
Enter The branchIndex Of A Branch In Order To Delete It : 1
Branch Has Been Deleted Successfully :)
New Branch List :
0 aras kargo
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
```

```
Activities Terminal Sat Feb 29, 20:36 ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 3
Enter Info Of The Branch Employee >>
Name:ahmet
Surname:ali
BranchEmployee Id is:5 remember it in order to login :)
Active Branchs In Our Company :
0:aras kargo
Hire Mr/Miss ahmet To One Of The Branchs Available In The List >>>
Enter branchIndex: 0
Employee Has Been Hired !!!
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 1
Branch Name: orta dogu kargo
Branch Id is: 6
orta dogu kargo Branch Has Been Established :)
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
```

```
Activities Terminal Sat Feb 29, 20:36 ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 3
Enter Info Of The Branch Employee >>
Name:mehmet
Surname:ali
BranchEmployee Id is:7 remember it in order to login :)
Active Branches In Our Company :
0:aras kargo 1:orta dogu kargo
Hire Mr/Miss mehmet To One Of The Branches Available In The List >>>
Enter branchIndex: 1
Employee Has Been Hired !!!
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 3
Enter Info Of The Branch Employee >>
Name:anisa
Surname:rahmani
BranchEmployee Id is:8 remember it in order to login :)
Active Branches In Our Company :
0:aras kargo 1:orta dogu kargo
Hire Mr/Miss anisa To One Of The Branches Available In The List >>>
Enter branchIndex: 0
Employee Has Been Hired !!!
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
```

```
Activities Terminal Sat Feb 29, 20:36 ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 3
Enter Info Of The Branch Employee >>
Name:ashraf
Surname:yawar
BranchEmployee Id is:9 remember it in order to login :)
Active Branches In Our Company :
0:aras kargo 1:orta dogu kargo
Hire Mr/Miss ashraf To One Of The Branches Available In The List >>>
Enter branchIndex: 1
Employee Has Been Hired !!!
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 4
List Of Employees In This Company >>>
>> 0 ahmet ali BranchEmployee
>> 1 mehmet ali BranchEmployee
>> 2 anisa rahmani BranchEmployee
>> 3 ashraf yawar BranchEmployee
Enter Index Of The Employee Who You Want Fire: 2
Employee Has Been Fired Successfully :(
New Employee List :
```

```
Activities Terminal Sat Feb 29, 20:36 ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
Employee Has Been Fired Successfully :(
New Employee List :
>> 0 ahmet ali BranchEmployee
>> 1 mehmet ali BranchEmployee
>> 2 ashraf yawar BranchEmployee

*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 5
Enter Info Of The Transportation Personnel >>
Name:ashraf
Surname:yawar
Remember Your Id : 10
Active Branches In Our Company :
0:aras kargo 1:orta dogu kargo
Hire Mr/Miss ashraf To One Of The Branches Available In The List >>>
Enter branchIndex Of A Branch : 1
TransportationPersonnel Has Been Hired !!!
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : anisa
ERROR Enter Commands Between 1 And 7 !!!!!
```

```
Activities Terminal Sat Feb 29, 20:36 ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : rahmani
ERROR Enter Commands Between 1 And 7 !!!!!
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 5
Enter Info Of The Transportation Personnel >>
Name:anisa
Surname:rahmani
Remember Your Id : 11
Active Branches In Our Company :
0:aras kargo 1:orta dogu kargo
Hire Mr/Miss anisa To One Of The Branches Available In The List >>>
Enter branchIndex Of A Branch : 1
TransportationPersonnel Has Been Hired !!!
*****
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
```

```
Activities Terminal Sat Feb 29, 20:36 en 93%
ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 5
Enter Info Of The Transportation Personnel >>
Name:omer
Surname:toprak
Remember Your Id : 12
Active Branches In Our Company :
0:aras kargo 1:orta dogu kargo
Hire Mr/Miss omer To One Of The Branches Available In The List >>>
Enter branchIndex Of A Branch : 0
TransportationPersonnel Has Been Hired !!!
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 6
List Of TransportationPersonnel In This Company >>>
>> 0 ashraf yawar TransportationPersonnel
>> 1 anisa rahmani TransportationPersonnel
>> 2 omer toprak TransportationPersonnel
Enter Index Of The Employee Who You Want Fire: 1
TransportationPersonnel Has Been Fired Successfully :(
New TransportationPersonnel List :
```

```
Activities Terminal Sat Feb 29, 20:36 en 93%
ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help
>> 0 ashraf yawar TransportationPersonnel
>> 1 anisa rahmani TransportationPersonnel
>> 2 omer toprak TransportationPersonnel
Enter Index Of The Employee Who You Want Fire: 1
TransportationPersonnel Has Been Fired Successfully :(
New TransportationPersonnel List :
>> 0 ashraf yawar TransportationPersonnel
>> 1 omer toprak TransportationPersonnel

***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 7
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ashraf
SureName:yawar
Position:BranchEmployee
Id:9
*****Branch Employee Page*****
<< 1 For Adding A Customer >>
<< 2 For Removing A Customer >>
<< 3 For Recieve Package To Branch >>
<< 4 For Send Package From Branch >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT >>
*****
```

```
Activities Terminal Sat Feb 29, 20:36 ashrafyawar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
>> 0 ashraf yawar TransportationPersonnel
>> 1 anisa rahmani TransportationPersonnel
>> 2 omer toprak TransportationPersonnel
Enter Index Of The Employee Who You Want Fire: 1
TransportationPersonnel Has Been Fired Successfully :(
New TransportationPersonnel List :
>> 0 ashraf yawar TransportationPersonnel
>> 1 omer toprak TransportationPersonnel

*****
*****      Admin Page      *****
<< 1 For Adding A Branch                >>
<< 2 For Removing A Branch              >>
<< 3 For Adding A Branch Employee        >>
<< 4 For Removing A Branch Employee      >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personel >>
<< 7 For LOGING OUT                    >>
*****
Enter Your Selection : 7
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ashraf
SureName:yawar
Position:BranchEmployee
Id:9
*****Branch Employee Page*****
<< 1 For Adding A Customer                >>
<< 2 For Removing A Customer              >>
<< 3 For Recieve Package To Branch        >>
<< 4 For Send Package From Branch         >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT                    >>
*****
```

```
Activities Terminal Sun Mar 1, 16:36 ashrafyawar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
10.4
*****Branch Employee Page*****
<< 1 For Adding A Customer                >>
<< 2 For Removing A Customer              >>
<< 3 For Recieve Package To Branch        >>
<< 4 For Send Package From Branch         >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT                    >>
*****
Enter Your Selection : 1
Customer's name : customer1
Customer's surename : cus
Customer's Traching packageTrackingNumber is : New customerList :
customer1 cus 8

*****Branch Employee Page*****
<< 1 For Adding A Customer                >>
<< 2 For Removing A Customer              >>
<< 3 For Recieve Package To Branch        >>
<< 4 For Send Package From Branch         >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT                    >>
*****
Enter Your Selection : 1
Customer's name : customer2
Customer's surename : cus
Customer's Traching packageTrackingNumber is : New customerList :
customer1 cus 8
customer2 cus 9

*****Branch Employee Page*****
<< 1 For Adding A Customer                >>
<< 2 For Removing A Customer              >>
<< 3 For Recieve Package To Branch        >>
<< 4 For Send Package From Branch         >>
```

```
Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyaware@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help

*****Branch Employee Page*****
<< 1 For Adding A Customer >>
<< 2 For Removing A Customer >>
<< 3 For Recieve Package To Branch >>
<< 4 For Send Package From Branch >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT >>
*****
Enter Your Selection : 1
Customer's name : customer3
Customer's surname : cus
Customer's Traching packageTrackingNumber is : New customerList :
customer1 cus 8
customer2 cus 9
customer3 cus 10

*****Branch Employee Page*****
<< 1 For Adding A Customer >>
<< 2 For Removing A Customer >>
<< 3 For Recieve Package To Branch >>
<< 4 For Send Package From Branch >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT >>
*****
Enter Your Selection : 3
>> Press 1 For Already A Registered Customer >>
>> Press 2 For Register And Enter Package Info >>
1
Active Customer List In Our Company :
0:customer1 cus 8
1:customer2 cus 9
2:customer3 cus 10

Enter Index Of Customer Who Has Been Registered Before: 1
Sender's Info Entered Now Enter Recivers's Info :
```

```
Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyaware@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help

1
Active Customer List In Our Company :
0:customer1 cus 8
1:customer2 cus 9
2:customer3 cus 10

Enter Index Of Customer Who Has Been Registered Before: 1
Sender's Info Entered Now Enter Recivers's Info :
Reciever's Name: anisa
Reciever's SureName: rahmani
PackageTrackingNumber is: 9

*****Branch Employee Page*****
<< 1 For Adding A Customer >>
<< 2 For Removing A Customer >>
<< 3 For Recieve Package To Branch >>
<< 4 For Send Package From Branch >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT >>
*****
Enter Your Selection : 4
Enter packageTrackingNumber To Send:9
Package Tracking packageTrackingNumber 9 Is In It's Way To Derivration Precess :)

*****Branch Employee Page*****
<< 1 For Adding A Customer >>
<< 2 For Removing A Customer >>
<< 3 For Recieve Package To Branch >>
<< 4 For Send Package From Branch >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT >>
*****
Enter Your Selection : 6
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
*****Login Page*****
```



```
Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyaware@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help
<< 2 For Removing A Customer >>
<< 3 For Recieve Package To Branch >>
<< 4 For Send Package From Branch >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT >>
*****
Enter Your Selection : 6
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:customer2
SureName:cus
Position:Customer
Id:9
*****
***** Customer Page *****
<< 1 For Displaying Sender's Reciever's And Package Info >>
<< 2 For LOGING OUT >>
*****
Enter Your Selection : 1
Customer Enter Tracking Number :9
>> Sender Name: customer2
>> Sender SureName: cus
>> Reciever Name: anisa
>> Reciever SureName: rahmani
>> package Tracking Number: 9
Package Current Status: on the way
*****
***** Customer Page *****
<< 1 For Displaying Sender's Reciever's And Package Info >>
<< 2 For LOGING OUT >>
*****
Enter Your Selection : 2
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
```

```
Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyaware@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (Bil 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help
*****
Enter Your Selection : 2
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:anisa
SureName:rahmani
Position:BranchEmployee
Id:4
*****
*****Branch Employee Page*****
<< 1 For Adding A Customer >>
<< 2 For Removing A Customer >>
<< 3 For Recieve Package To Branch >>
<< 4 For Send Package From Branch >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT >>
*****
Enter Your Selection : 5
Enter Tracking packageTrackingNumber Of Delvered Package:9
Package Tracking packageTrackingNumber 9 Has Been Delvered Successfully :)
*****
*****Branch Employee Page*****
<< 1 For Adding A Customer >>
<< 2 For Removing A Customer >>
<< 3 For Recieve Package To Branch >>
<< 4 For Send Package From Branch >>
<< 5 For Change Status Of Arrived Packages >>
<< 6 For LOGING OUT >>
*****
Enter Your Selection : 6
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
*****
```



```
Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyaware@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BIL 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help

2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:customer2
SureName:cus
Position:Customer
Id:9
***** Customer Page *****
<< 1 For Displaying Sender's Reciever's And Package Info >>
<< 2 For LOGING OUT >>
*****
Enter Your Selection : 1
Customer Enter Tracking Number :9
>> Sender Name: customer2
>> Sender SureName: cus
>> Reciever Name: anisa
>> Reciever SureName: rahmani
>> package Tracking Number: 9
Package Current Status: delivered
***** Customer Page *****
<< 1 For Displaying Sender's Reciever's And Package Info >>
<< 2 For LOGING OUT >>
*****
Enter Your Selection : 2
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ashraf
SureName:yaware
Position:TransportaionPersonnel
Id:6
invalid input !!!
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
```

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Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyaware@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BIL 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help

2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ashraf
SureName:yaware
Position:TransportaionPersonnel
Id:6
invalid input !!!
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:yes
SureName:no
Position:TransportaionPersonnel
Id:7
invalid input !!!
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ashraf
SureName:yaware
Position:TransportationPersonnel
Id:7
Error !! TransportationPersonnel Is Not In The List :(
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ali
SureName:wali
Position:Administrator
Id:1
*****
```

```
Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help
Name:ali
SureName:wali
Position:Administrator
Id:1
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 6
List Of TransportationPersonnel In This Company >>
>> 0 ashraf yawar TransportationPersonnel
>> 1 yes no TransportationPersonnel
Enter Index Of The Employee Who You Want Fire: 0
TransportationPersonnel Has Been Fired Successfully :(
New TransportationPersonnel List :
>> 0 yes no TransportationPersonnel
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 5
Enter Info Of The Transportation Personnel >>
Name:ahmet
Surename:ali
Remember Your Id : 11
```

```
Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyayar@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles

File Edit View Search Terminal Help
Name:ahmet
Surename:ali
Remember Your Id : 11
Active Branches In Our Company :
0:aras kargo 1:karas kargo
Hire Mr/Miss ahmet To One Of The Branches Available In The List >>
Enter branchIndex Of A Branch : 0
TransportationPersonnel Has Been Hired !!!
***** Admin Page *****
<< 1 For Adding A Branch >>
<< 2 For Removing A Branch >>
<< 3 For Adding A Branch Employee >>
<< 4 For Removing A Branch Employee >>
<< 5 For Adding A Branch Transportation Personnel >>
<< 6 For Removing A Branch Transportation Personnel >>
<< 7 For LOGING OUT >>
*****
Enter Your Selection : 7
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ahmet
SureName:ali
Position:TransportationPersonnel
Id:11
***** Transportation Personnel Page *****
<< 1 For Check For Deleverd Packages And Delete Them From Package List >>
<< 2 For LOGING OUT >>
*****
Enter Your Selection: 1
Enter Tracking Of Delvered Package:9
Package Tracking packageTrackingNumber 9 Has Been Deleted From Package List Successfully :)
***** Transportation Personnel Page *****
```

```
Activities Terminal Sun Mar 1, 16:36 en 100%
ashrafyaware@ashraf: ~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles
File Edit View Search Terminal Help
*****
Enter Your Selection : 7
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 1
***** Login Page *****
Name:ahmet
SureName:ali
Position:TransportationPersonnel
Id:11
*****
***** Transportation Personnel Page *****
<< 1 For Check For Deleverd Packages And Delete Them From Package List >>
<< 2 For LOGING OUT >>
*****
Enter Your Selection: 1
Enter Tracking Of Delvered Package:9
Package Tracking packageTrackingNumber 9 Has Been Deleted From Package List Successfully :)
*****
***** Transportation Personnel Page *****
<< 1 For Check For Deleverd Packages And Delete Them From Package List >>
<< 2 For LOGING OUT >>
*****
Enter Your Selection: 3
Error Wrong Input :(
*****
***** Transportation Personnel Page *****
<< 1 For Check For Deleverd Packages And Delete Them From Package List >>
<< 2 For LOGING OUT >>
*****
Enter Your Selection: 2
*** PLEASE LOGIN TO SYSTEM IN ORDER TO MAKE CHANGES ***
1 For Login Page >>
2 For Exit Page >>
Selection : 2
ashrafyaware@ashraf:~/Desktop/6.SEMESTER/(1)Data Structures (BİL 222)/HOMEWORKS/HW02/javafiles$
```