|  |
| --- |
| Members  -firstName: String  -lastName: String  -id: String  -location: String  - phoneNumber: String  -delivery: Delivery[]  -manger: Manger  +Members(firstName: String,lastNmae: String,id: String, phoneNumber:String,location:String, manger: Manger)  +addDelivery(delivery:Delivery): boolean  + getFirstName(): String  +setFirstName(firstName :String): void  + getLastName(): String  +setLastName(lastName :String): void  +getId(): String  +setId(id: String): void  + getPhoneNumber(): String  +setPhoneNumber(phoneNumber: String): void  + getLocation (): String  +setLocation(location: String): void  + getDelivery(): Delivery[]  +setFDelivery(delivery: Delivery): void  + getManger(): Manger[]  +setManger(manger: Manger): void  toString(): String+ |

|  |
| --- |
| Manger  -username: String  -password: String  -members: Members  -location: String  Manger(usename:String,password:String,location:String)+  addMember(member: Members): boolean+  deleteMember(id: String): boolean+  +checkMember(id: String): boolean  addDelivery (id: String ,input: int): boolean+  +getLocation(): String  +setLocation(location: String): void  getUsename(): String+  +setUsernamer (username: String): void  getPassword(): String+  +setPassword (password: String): void  +getMembers(): Members[]  +setMembers (members: Members[]): void  toString(): String+ |



|  |
| --- |
| Delivery  #membes: Members[]  #numOfItems: int  #area: String  +getMembers(): Members[]  +setMembers (members: Members[]): void  +getNumOfItem(): int  +setNumOfItem(numOfItems: int):void  +getArea(): String  +setArea (area: String): void  toString(): String+ |



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| --- |
| NormalDelivery  NormalDeliver(member:Members,numOfItems:int ,area:String)  toString(): String+ |

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| --- |
| BusinessDelivery  BusinessDeliver(member: Members,numOfItems:int ,area:String)  toString(): String+ |

|  |
| --- |
| ExpresslDelivery  +ExpressDelivery(member:Members,numOfItems:int ,area:String)  toString(): String+ |

**Remarks:**

First, enter a username and password for a certain administrator from the three, if they are correct the system continues and the menu opens, if not it prints an appropriate message and asks once more to enter the username and password until it receives correct details.

The menu opens with four options: 1. Adding a subscription 2. Deleting a subscription 3. Adding an order to an existing customer to the selected administrator 4. Ending and exiting the system.

When adding a subscription, you first check if the TAZ exists, if so, it prints an appropriate message and re-enters the TAZ, and also checks the region: first it checks if it fits the requirements (or south or center or north), if not, it prints an appropriate message and records the region Until once, if yes, then first I will check if it fits the manager's area, if not, prints a suitable message and returns to the menu, if so adds the subscription to the array of the selected manager.

When deleting a subscription, you check if the subscription exists with the selected administrator by entering the 17, if it does not exist, it prints an appropriate message and returns to the menu, if so, then deletes it from the selected administrator's array.

When adding a shipment, first you check if the subscription exists with the selected administrator by entering the 17, if it does not exist, it prints an appropriate message and returns to the menu, if so, opens the option to choose one of the 3 types of shipments, then adds the shipment to the array of the customer selected by the administrator, if selected Delivery type not within the range of delivery types (1-3) prints an appropriate message and returns to the menu of selecting the delivery types for a new reception.

By typing number 4, you exit the system with an appropriate message.

If the administrator typed in the menu a number not within the range of possibilities in the menu (1-4), an appropriate message is printed and you return to the menu.