User's guide for Super-Lee's deliveries

1. Introduction

With the expansion of Super-Lee's network, more product transportation will be needed and it will be hard to keep track on all the deliveries manually. The system is designed with helping that as you will be able to see easily all the delivery information

2.using the system

To run the system you will need to install java on your computer then do the following steps

-press windows key + r

-type cmd

-press enter

-type cd <path to the folder is installed>

-press enter

-type java -jar adss2020_v01.jar

-press enter

Then the system will start, the first thing you will see if all previous steps will be succeed is

```
### Welcome to "Super-Lee" deliveries! ###

### Main Menu ###
Enter option number to execute the desirable operation:
    1. Go to Delivery Menu
    2. Go to Site menu
    3. Go to Truck Menu
    4. Exit
```

To select the option, you will want you will need to enter the following numbers in this menu a number from 1 to 4 and then press enter to confirm **like any other action in the program**, in case of wrong input the following message will pop out

```
You picked an illegal option, please try again
```

If you select one of the options you will ender the desired menu or exit the program

Deliveries:

When opening the delivery menu you will see 2 options for 2 types of deliveries

```
### Delivery Menu ###
Enter option number to execute the desirable operation:
    1. Go to Upcoming Deliveries Menu
    2. Go to Completed Deliveries Menu
    3. Return to Main Menu
```

The first is for ongoing and planned deliveries, those can be altered, the second is for completed deliveries, those are the delivery records, you cant change them but you can still view them

```
### Upcoming Deliveries Menu ###
Enter option number to execute the desirable operation:
    1. View all upcoming deliveries
    2. Search an upcoming delivery
    3. Add a new delivery
    4. Edit a delivery
    5. Delete an upcoming delivery
    6. Return to Delivery Menu
```

The first option shows you all deliveries, a delivery looks like

```
Delivery id: 2
    * Driver name: c driver1
    * Driver id: 200000004
    * Truck plate number: 1000004
    * Start time: 14-10-2023 13:10
    * End time: 14-10-2023 15:10
    * Origin: Beer Sheva
    * Weight: 12500
    * Destinations:
        ** Destination id: 6, Address: Dimona
            *** Items:
                **** Item name: eggs,  Quantity: 30
                **** Item name: milk,  Quantity: 30
        ** Destination id: 4, Address: Tel Aviv
            *** Items:
                **** Item name: tea,  Quantity: 30
                **** Item name: coffee,  Quantity: 30
```
t

Notice the delivery id (מספר אסמכתא) that number will identify that delivery from others delivery and it will not change

The second option will give you the option to search a particular delivery by the id, you will need to remember the id or search all of them manually to find it

The third option will create a new delivery with the following prosses

1.enter the start time, the start time must be later than the current time, **stick to the format <dd-MM-yyyy HH:mm>** for example if you will want that time to be June 15th 2022 at 2:30pm you will need to enter 15-06-2022 14:30, the system don't support other formats

2.enter the end time, the same <dd-MM-yyyy HH:mm> format, the end time must be later than the start time

3.then a list of all trucks will be open, you will need to pick up the plate number of the truck you will want to use

4.the next step will be the driver pickup, same as the truck pickup a list of all drivers will be opened and you will enter the driver's id you will choose

5.then you will need to choose the source you want, from where you will import the supply, you will enter the id of the site you want

6.the last step is to pick up your first destination, it cant be the same of your source, note that if you want to add more destination you will do it at the edit menu

The option to delete delivery (option 5) will delete the delivery with its records, it will not save the information unlike the complete delivery at the edit menu

Edit menu: option 4

When that option is selected you will need to first choose the delivery that you want to edit by id and then the following menu will be opened with the delivery information on top of that

```
 1. Add a destination
 2. Remove a destination
 3. Add an item to destination
 4. Remove an item from destination
 5. Edit item quantity
 6. Edit start Time
 7. Edit End Time
 8. Change driver
 9. Change truck
10. Change origin site
11. Edit truck's weight
12. Complete the delivery
13. Return to Upcoming Delivery Menu
```

Options 1,6,7,8,9,10 work the same as one of the delivery creation steps (same rules apply)

Option 2 will remove a destination with selecting it by id, it will fail if you try to remove a destination that only it remains in the destination list (the destination list cant be empty)

To load the truck with supply you will need to add an item, first pick up its name and then its quantity, it will load the truck with that supply

Products can be removed and be changed by quantity

After you weight the truck enter the weight result in "edit trucks's weight" – option 11, it will not change the maximal truck weight but the actual weight, note that the **truck is weighted in kg**

Only after you weighted the truck you will be able to complete the delivery by selecting option 12, note that the delivery will be completed and therefore be moved to the archive and its edit will be disabled

Upon searching the archive (completed deliveries menu you will see the following options)

```
### Completed Deliveries Menu ###
Enter option number to execute the desirable operation:
    1. View delivery archive
    2. Search a completed delivery
    3. Return to Delivery Menu
```

It is much simpler than the ongoing delivery menu as you will be able to view the full archive or search for a particular delivery in the archive by id.

Sites:

Upon opening the site menu you will see the following options

```
### Site Menu ###
Enter option number to execute the desirable operation:
    1. Add a new site
    2. Edit a site
    3. Delete a site
    4. Search a site
    5. View all sites of a delivery zone
    6. View all sites
    7. Return to Main Menu
```

When adding a site you will select the type fist (note that supplier's warehouses can be oldy sources) by selecting 1 or to. After that you will select the address, then the delivery zone, then the contact's phone number and then the contact's name, note that upon selecting the delivery zone you will see the following pop up

```
Enter option number to choose a delivery zone:
    0. North
    1. Center
    2. South
```

To select the delivery zone you want you will need to enter the number near that zone name and not the zone name itself (for selecting center enter 1)

When a delivery zone is created the system will give it an unique id, and it will show a delivery zone like that

```
 Address: Tel Aviv
    * Id: 4
    * Contact name: branch2
    * Contact phone number: 054-0000004
    * Delivery Zone: Center
    * Type: Branch
```

Same as deliveries, you can view all or one site by searching it with id, in addition you can view all sites in particular delivery zone (option 5)

When deleting a site (by id selection) you will succeed only if there is no ongoing delivery from or to that site

The edit sites is simpler as you will select the id you will want to edit first and then see the following menu

```
Enter option number to execute the desirable operation:
    1. Edit address
    2. Edit delivery zone
    3. Edit contact phone number
    4. Edit contact name
    5. Return to Site Menu
```

All actions can be done freely (same selection rules apply to the delivery zone)

Trucks:

When selecting the truck menu, you will see the following options

```
### Truck Menu ###
Enter option number to execute the desirable operation:
    1. Add a new truck
    2. Edit a truck
    3. Delete a truck
    4. View all trucks
    5. Search a truck
    6. Return to Main Menu
```

When adding a truck, you will enter the plate number first (the plate number must be unique, no other truck is registered with the same plate number) and will have 7 to 8 digits. Then you will enter the truck's model, and then the truck's max weight in **kg**.

 Same as sites, you cant delete a truck with an upcoming or an ongoing delivery

When editing a truck you will pick up the plate number first and then you will see the following options

```
Enter option number to execute the desirable operation:
    1. Edit plate number
    2. Edit model
    3. Edit max weight
    4. Return to Truck Menu
```

The same rules apply to those options.

General notes:

-when selecting a number enter it without commas, make it not negative, and smaller than 2.1 billion

-the system don't manage drivers, 6 drivers are applied to the system

-after each option you pick up, remember to press enter to select it

-when picking up an illegal option the system will say *"You picked an illegal option, please try again"* and then do nothing