

User's guide for Super-Lee's Deliveries and Employee

General starting instructions

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

1. press windows key + r
2. type "cmd"
3. press 'enter'
4. type cd <path to the folder is installed>
5. press 'enter'
6. type adss2022_v02.jar
7. press 'enter'

Then the system will start, and the user will see the command line print this:



```
SUPERLEE
[Employees Module] v 1.2
Please enter your id to enter (or -1 to exit): |
```

Inserting data

The system receives data in the following way:

1. The user is prompted to provide input from keyboard
2. The user prints the data using keyboard and presses "Enter"
3. If the data that the user provided is not valid the system will print the next message:
Error while getting input. For input string: "ih"
And after that the user will be asked to provide input once more.
4. If the data is valid the system will continue working

Providing date

In employee module all the dates must be provided in one of two ways - YYYY-MM-DD or YYYY-MM-DDTHH:MM:SS for example 2022-05-20 or 2022-05-20T06:55:30

Logging in

To log in, the user needs to provide his id number. If the id number is valid, the following will be printed:

```
Please enter your id to enter (or -1 to exit): 123
=====
|| WELCOME, Admin2 ||
=====
— Main Menu —
+-----+
1 | Logout
2 | Manage Employees
3 | Manage Shifts
4 | Manage Qualifications
5 | Open Delivery System
Please choose an option:
```

If the id number isn't valid, the user will receive the following message:

```
No employee with this id found.
Please enter your id to enter (or -1 to exit): |
```

Main menu options

1. Logout – the user logs out of the system so that another user could log in
2. Manage employees – enter the employee management menu
3. Manage shifts – enter the shift management menu
4. Manage qualification – enter the qualification management menu
5. Open delivery system – enter the delivery module

Employee management

```
— Manage Employees —
+-----+
1 | Return
2 | Show Employee Information
3 | Add Employee
4 | Remove Employee
5 | Edit Employee
```

1. Return – return to the main menu

2. Show Employee Information – prints all the data about specific employee

```

|| Showing Information on bob ||

```

ID	Name	Salary	Work Starting Date
555	bob	10.0	2022-05-23

```

— Qualifications —
1

```

```

— Working Conditions —
hates to work
— no working hours —

```

```

|| Bank Account Details ||

```

Bank Id	Branch Id	Account Id	Bank Name	Branch Name	Account Name
1	1	1	bank	branch	bob

3. Add Employee – the system sends several queries to insert the data about the employee and after that prints the list of all employees. For example:

```

— Please enter the new employee's information —
ID number: 6543
Full Name: bobbb
Bank id: 5
Bank branch id: 5
Account id: 6
Bank name: bank
Bank branch name: bank
Account owner name: bobbb
Salary: 12
Enter work starting date in the next format yyyy-MM-dd:
2022-06-01
Additional working conditions information: asd
[SUCCESS]

```

ID	Name
1	Bob The Cashier
2	Alice The Warehouse Worker
3	Cat The Stock Clerk
4	Dan The Truck Driver
5	Manny The Manager
6	InManny The InManager
123	Admin2
555	bob
5555	Dan the Driver
6543	bobbb
580083434	Admin

4. Remove Employee – removing an employee – the user will be prompted to provide the ID number of an employee to remove from the system

5. Edit Employee – editing the data about an employee – the user will be prompted to choose what information to update and then to provide the ID number of an employee and new information

```
— Edit Employee —
+-----+
1 | Return
2 | Edit Name
3 | Edit Salary
4 | Edit bank account details
5 | Add Working Hour
6 | Remove Working Hour
7 | Add Qualification
8 | Remove Qualification

Please choose an option: 2
New Name: Bob
[SUCCESS]
```

Shift management

```
Please choose an option: 3
Enter branch id: 2

== Shifts for Branch #2 ==
=====
+-----+-----+-----+-----+-----+
|| Date || Time || Manager Id || Manager Name || Workers ||
+-----+-----+-----+-----+-----+

— Manage Shifts for Branch #2 —
+-----+
1 | Return
2 | Add Shift
3 | Remove Shift
4 | Add Worker to Shift
5 | Remove Worker from Shift
```

1. Return to main menu
2. Add shift – the user will be prompted to provide data about shift and choose an employee for each job that must be filled
3. Remove shift – the user is prompted to provide a shift date and type – Day or Night so that the shift will be deleted
4. Add worker to shift – the user id prompted to provide an id of a shift (date and type) an id of an employee and after that to choose which job the

employee will receive. Several jobs can be given, to stop adding the user should insert -1

5. Remove worker from shift - the user id prompted to provide an id of a shift (date and type) an id of an employee to remove from shift

Qualifications management

If the user chooses “Manage qualifications”(4) in the main menu a list of existing qualifications and permissions will be printed. After that the user will see the qualifications menu:

```
— Manage Qualifications —
+
1 | Return
2 | Add Qualification
3 | Remove Qualification
4 | Add Permission
5 | Remove Permission
6 | Edit Qualification
```

1. Return – return to main menu
2. Add qualification – the user is prompted to provide a name of the new qualification. After inserting the name, the qualification gets added into the system

```
— Manage Qualifications —
+
1 | Return
2 | Add Qualification
3 | Remove Qualification
4 | Add Permission
5 | Remove Permission
6 | Edit Qualification

Please choose an option: 2
New qualification name: mc
[SUCCESS]
```

3. Remove qualification – the user is prompted to provide a name of the qualification. After inserting the name, the qualification gets deleted from the system
4. Add permission – the user is prompted to provide a name of the new permission. After inserting the name, the permission gets added into the system

5. Remove permission – the user is prompted to provide a name of the permission. After inserting the name, the permission gets deleted from the system
6. Edit qualification – the user is prompted to provide a name of the qualification. Then he needs to choose what permission to remove or add

```
Please choose an option: 6
Enter the name of the qualification you wish to edit: mc
— Editing mc —
1 | Return
2 | Add Permission to Qualification
3 | Remove Permission from Qualification

Please choose an option:

Please choose an option: 2
Name of the permission to add: ManageShift
[SUCCESS]
```

Delivery system

General notes for delivery module:

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

After choosing (5) in the main menu the delivery module main menu will be opened

```
### 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 enter the desired menu or exit the delivery module

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 can't 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 this:

```

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

```

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 processes

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 doesn'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 pick up 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 can't 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 can't 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 truck'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 first (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 a 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 are 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 can't 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.