

CLI User ManagementSystem –GROUP 11

USER MANUAL

Introduction

Our program is a small CLI based program used to manage a user database by a master user. Each individual user will be able to edit and view his own profile information while the master user will also gain access to adding new users, editing other user profiles and removing users.

Our project page on GitLab: https://gitlab.com/adss_group_11/adss_group_11

Requirements:

- A Windows or UNIX based machine (e.g. Mac/Linux)
- Java 11.0.0 and above running on your system

General system information:

The database will store the following details:

- *accountDetails(address, phone number, contact person, area)*

Running the program:

On Windows 10/8/7 based machines:

- Launch cmd.exe (right click on start menu and select Command Prompt)
- Navigate to the Program folder and to the 'release' folder using the cd command.

```
" cd YOUR_PATH/ADSS_Group_11/release "
```

- Run the program using the following java command:

```
" java -jar adss2019_v03.jar "
```

On UNIX Based machines(e.g. Mac/Linux):

- Launch the Terminal by searching for "Terminal".
- • Navigate to the Program folder and to the 'release' folder using the cd command.

```
" cd YOUR_PATH/ADSS_Group_11/release "
```

- • Run the program using the following java command:

```
" java -jar adss2019_v03.jar "
```

Preloaded DB Records:

Info about employees already in the

system's data base:

	id	firstname	lastname	salary	firstEmployee	employment
1	1	itay	itay	20000	2019-06-06	HALF TIME
2	2	sahar	vaya	5	2019-06-05	FULL TIME
3	3	shauli	shauli	10123	2019-06-06	FULL TIME
4	4	noy	ezra	5	2019-06-01	HALF TIME
5	5	nofar	carmel	777	2019-05-02	FULL TIME

ID	Name	role
1	Itay	1- HR, 2- stock keeper, 4-logistics manager
2	Sahar	3- driver
3	shauli	2- stock keeper
4	noy	5 – store manager
5	nofar	1-HR, 2- stock keeper, 3- driver , 4-logistics manager

Store Branch details for Inventory System Connection(Containing Products to check):

ID	Name	Address
1	Store1	HaGiborim 10

Using the program:

At startup the program will ask for your id:

```
GROUP 11 USER MANAGEMENT SYSTEM!
=====
Thank you for choosing our system for your business!

Connection:
-----
Please enter your ID:
```

If you are a Team Manager you will see the next window:

Main Menu:

```
GROUP 11 Inventory Management System!
=====
MESSAGE: Employee 4 connected successfully
Choose managing option:

Connected as ID: 4

1.Manage employees details
2.LOGOUT
3.EXIT
CHOICE:
```

If you are a HR you will see the next window:

Main Menu:

```
GROUP 11 Inventory Management System!
=====
MESSAGE: Employee 1 connected successfully
Choose managing option:

Connected as ID: 1

1.Manage employees details
2.Manage deliveries.
3.LOGOUT
4.EXIT
CHOICE:
```

If you are a Stock Keeper you will see the next window:

Main Menu:

```
GROUP 11 Inventory Management System!
=====
MESSAGE: Employee 2 connected successfully
Choose managing option:

Connected as ID: 2

1.Manage employees details
2.LOGOUT
3.EXIT
CHOICE:
```

If you are a Store Manager you will see the next window:

Main Menu:

```
GROUP 11 Inventory Management System!
=====
MESSAGE: Employee 5 connected successfully
Choose managing option:

Connected as ID: 5

1.Manage employees details
2.Manage supplier details.
3.Manage deliveries.
4.Manage Store Inventory
5.LOGOUT
6.EXIT
CHOICE:
```

The first window you will see when opening the program will be the main menu.

In order to choose a menu option, enter the numeric value as indicated in the menu and press ENTER. In any case the choice entered is invalid menu choice, you will get an error message indicating that the choice made was illegal.

From the menus you can exit the program or proceed to one of the following windows:

Manage employee details:

In this window you will be able to view the employee's basic details (salary, employment day etc.). You will also be able to see and edit your shifts assigning and your schedule constraints. (The store manager will be able to view those details and HR will be able to edit them as well).

```
GROUP 11 Inventory Management System!
=====
MESSAGE: Please choose an option:

true
== Main Menu ==
1 - View your shifts assigning
2 - View your schedule constraints
3 - Edit your schedule constraints/data
4 - Back

CHOICE:
```

Manage supplier details:

In this window you will be able to create, update and delete a supplier card. Each supplier card contains information about the supplier, his contacts, the products he supplies, his discount details and the companies he works for.

```
GROUP 11 Inventory Management System!
=====
MESSAGE: Please choose an option:

Please choose your option
1) Login to an existing supplier
2) Create a new supplier
3) Delete a supplier
4) Exit
```

If you choose to login, you will be able to see the supplier's main menu

```
GROUP 11 SUPPLIER MANAGEMENT SYSTEM!
=====
MESSAGE: Connected Successfully!

== Main Menu ==
Please choose your option
1) Edit supplier details
2) Print supplier details
3) Print product report
4) Print 'amount discount report'
5) Print contacts
6) Print presenting companies
7) Add product
8) Add discount
9) Add contact
10) Add presenting company
11) Delete product
12) Delete discount
13) Delete contact
14) Delete presenting company
15) Return to Login menu
CHOICE:
```

Manage deliveries:

In this window, you will be able to see all the tables data. If you are a logistic manager, you will also be able to edit them.

(The store manager will be able to choose the "Edit option" but not to press it.

```
GROUP 11 DELIVERIES MANAGEMENT SYSTEM!
=====
== Tables Manager ==
Pick a table to manage
1 - Branches
2 - Deliveries
3 - DeliveryDocs
4 - Products
5 - ProductDeliveries
6 - SiteReports
7 - Sites
8 - Suppliers
9 - Trucks
10 - Back to Main Menu

CHOICE :
```

store inventory:

In this window you will be able to open a new store branch and manage it.

```
GROUP 11 Inventory Management System!
=====
MESSAGE: Please choose an option:

~ WELCOME, Choose you action: ~
1 - Manage Store Branch
2 - Open A new Store Branch
3 - Close existing Store branch
4 - Display all Chain Stores
5 - EXIT

CHOICE :
```

In case of an order from a supplier from type 2, there will be a need to deliver the products to the store branch. That means that one of the driver's will need to execute the shipment. The system will then look for the best option for handling the requested delivery and indicate on whether she was able to schedule it and when. In case the system is unable to process the delivery, several reasons for that might be a shortage for driver shifts, suitable trucks or suppliers. The system will alert about that to the HR, and will recommend adding a new driver shift in a specific date in order to deliver the product.

The algorithm will try to add the new request to an existing delivery that contains the supplier, if it is not possible, it will try to add it to a delivery that contains the branch. If both were not possible the System will look for any delivery as soon as possible and try to add the request to it. If no option worked, the system will try to create a new delivery.

In addition, order cancelation will happen if and only if HR, Logistic Manager and Stock Keeper will choose to cancel that order in the system (in the same system run).

Technical Details:

The program was written in Java and uses SQLite database using a JDBC SQLite module.

Additional modules added and used in the program are:

JANSI - Jansi is a small java library that allows you to use ANSI escape codes to format your console output which works even on windows. (Link: [JANSI Github repo](#)).

JLine - JLine is a Java library for handling console input. It is similar in functionality to BSD editline and GNU readline but with additional features that bring it in par with ZSH line editor.

(Link: [JLine Github repo](#)).