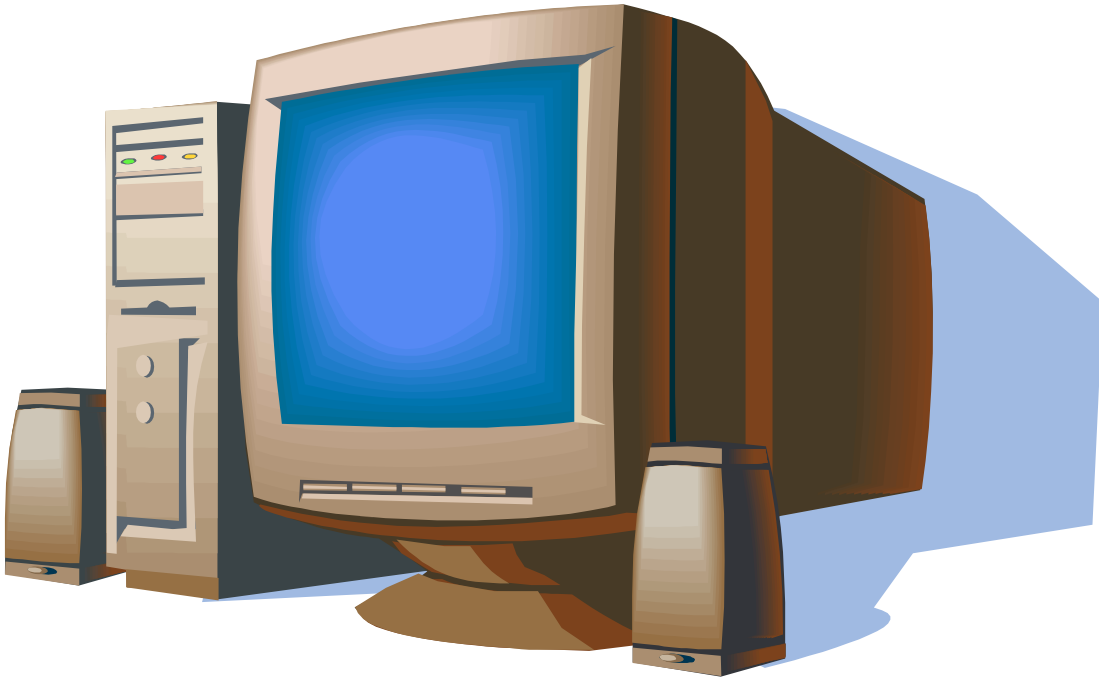


# Supplier module

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- [Instructions](#) to operate the system are at the end of this documents

## **SYSTEM OVERVIEW**

*The system will support all the interfacing with the suppliers of the store.*

*The system will save all the suppliers that provide products to the store and support many functions as: updating supplier's details, creating orders and more..*

The system is composed by 2 modules: Supplier module and Order Module.

## **GENERAL INFORMATION OF THE SYSTEM**

*Our system is divided into 2 major parts:*

*The first is managing an exist supplier which contain all the functionality the user can do with the specific supplier.*

*The second is creating a supplier and add it to the system.*

*The program relies on products that should be existed in the store therefore we added a functionality creating items (which inventory module should support but since we need it to complete our task we implemented it here) which important to the supplier's module.*

## **SYSTEM FUNCTIONS**

The system can be uploaded with initial objects to it or a clean start which has no initialized objects in it.

- 
- 1) Load with objects
  - 2) Clean start

At first the system will ask the user if he wants to start from fresh (clean start) or with initial data:

- An [information](#) about the loaded data is at the end of this document.

Then the system will show the main menu of the program and will present the user with 4 options:

```
1) Manage Suppliers
2) Create new Supplier
3) Add item to the Store
4) Quit
```

- 1) **Manage suppliers** will ask you which supplier you want to manage

```
123456 tnuva
987654 Korkevados
Enter the supplier's ID you wish to manage:
123456
```

Then it will take you to a menu which presents all the options you can perform on the supplier: **ALL THE OPTIONS THAT REPRESENTED HERE ARE IMPLIED ON THE SUPPLIER THAT THE USER CHOOSSED ABOVE**

```
1) Manage Orders
2) Delete Supplier
3) Update supplier
4) Delete Contact
5) Update Contact
6) Add Item to supplier's catalog
7) Delete item from catalog
8) Print supplier Info
9) Return to previous menu
```

- 1.1) **Manage orders** the system will present functions the user can do on the orders of the supplier and even create one:

```
1) Make an order
2) Print all orders from supplier
3) End order
4) Get order details
5) Return to previous Menu
```

**Make an order** – will ask the user to add items to the cart or remove and then confirm it.

**Print all orders from supplier** – will print all the details of the orders that the store has ordered from the supplier.

**End order** – indicates the order is completed. Will change the status of the order from INPROGRESS to COMPLETE.

**Get order details** – will present specific order's details by inserting its ID.

**Return to previous menu** – will return the user to the previous menu.

- 1.2) **Delete supplier** – will delete the current supplier we are managing and return to the previous menu.
- 1.3) **Update supplier** – will ask the user which fields he wants to change and then ask for the replacing data for them.
- 1.4) **Delete contact** – will delete a contact of the user choice in the supplier's contacts
- 1.5) **Update contact** – will ask the user which contact he want to update and take all the relevant data to replace in the contact.
- 1.6) **Add item to supplier's catalog** – add an item to the catalog of the supplier and will ask the user for relevant data to add to the contract.
- 1.7) **Delete item from supplier's catalog** – delete an item from the catalog of the supplier and all the relevant data related to it in the contract.
- 1.8) **Print supplier's info** – will represent options of which info the user wants to see about the supplier as: catalog items, contacts, delivery days and payment option.
- 1.9) **Return to the previous menu** – will return to the main menu.
- 2) **Create new supplier** - will ask the user all the relevant details for creating a supplier such as ID, contacts, delivery, address, filling contract's details.
- 3) **Add item to the store** – will create a new item with the provided details from the user and add it to the list of items of the store. In case the user chose a clean start, he **must** add items first6 to the store.

### Initial Data:

### Items:

| <u>itemId</u> | <u>ItemDescription</u> | <u>manufactuer</u> |
|---------------|------------------------|--------------------|
| 1             | Milk                   | Tnuva              |
| 2             | Egg                    | straus             |
| 3             | Coca cola              | cola               |
| 4             | pastrami               | Tirat-zvi          |

**Suppliers:**

|          | <u>ID</u> | <u>Name</u>  | <u>Bank Account</u> | <u>Is Deliver</u> | <u>Const Delivery Days</u> | <u>Billing Option</u> |
|----------|-----------|--------------|---------------------|-------------------|----------------------------|-----------------------|
| <u>1</u> | 123456    | "Tnuva"      | 123345              | Yes               | Monday<br>,<br>Thursday    | EOM30                 |
| <u>2</u> | 987654    | "Korkevados" | 987765              | yes               | none                       | CASH                  |

**Suppliers Contacts:**

| Supplier Id | Contact First Name | Contact Last Name | Contact phone number | Contact address |
|-------------|--------------------|-------------------|----------------------|-----------------|
| 123456      | Niv                | Davidian          | 0547824018           | Ziso            |
| 987654      | Dor                | Peretz            | 0547824567           | metzada         |

**Suppliers contract Agreement Item:**

| supplierId | CatalogItemID | amount order per Item | price after Discount | supplierId | CatalogItemID | amount order per Item | price after Discount |
|------------|---------------|-----------------------|----------------------|------------|---------------|-----------------------|----------------------|
| 123456     | 10            | 1-30                  | 3                    | 123456     | 16            | 1-10                  | 15                   |
|            |               | 31-(-1)               | 2.5                  |            |               | 11-(-1)               | 14                   |

| supplierId | CatalogItemID | amount order per Item | price after Discount | supplierId | CatalogItemID | amount order per Item | price after Discount |
|------------|---------------|-----------------------|----------------------|------------|---------------|-----------------------|----------------------|
| 987654     | 10            | 1-20                  | 30                   | 987654     | 7             | 1-15                  | 70                   |
|            |               | 21-(-1)               | 25                   |            |               | 16-(-1)               | 60                   |

**\*\*\* instruction to run the test:**

The tests inside the package his name is 'test'

To run the test from cmd :

```
Java -cp addss2020_v01.jar test.TestMainClass
```