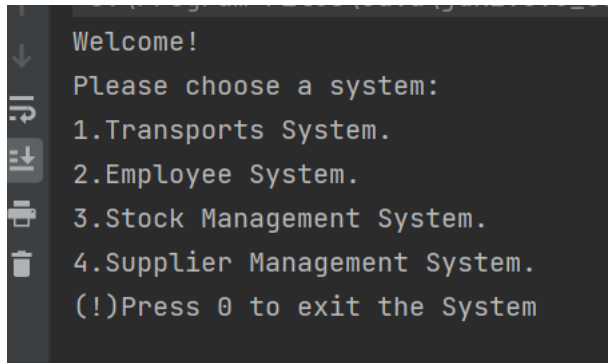


User Instructions:

After starting the program and logging in, the following menu will appear:

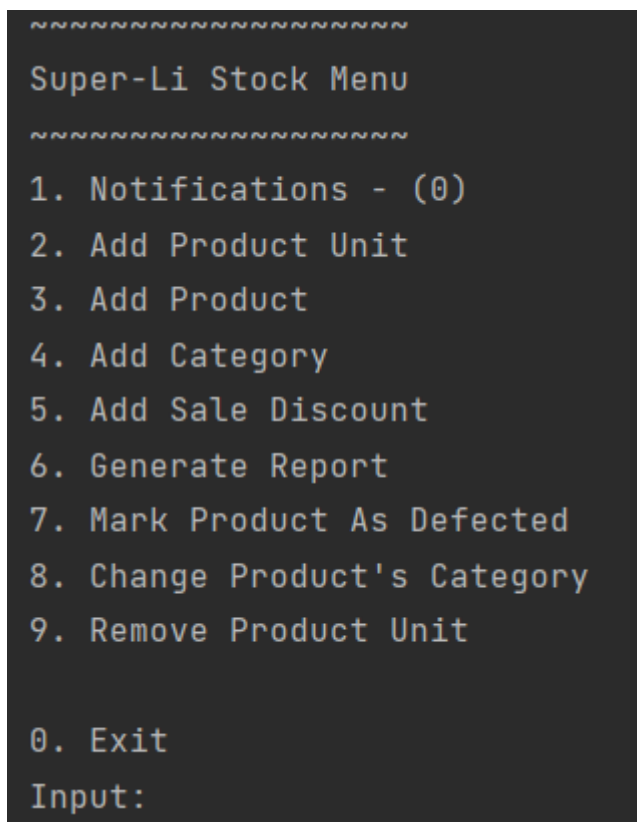


```
Welcome!  
Please choose a system:  
1.Transport System.  
2.Employee System.  
3.Stock Management System.  
4.Supplier Management System.  
(!)Press 0 to exit the System
```

Choose the appropriate sub-system and press enter. Note that the following sub-system menus will show only options relevant to the user's role.

Stock Management System

After entering the Stock Management System, the following main menu will appear:



```
~~~~~  
Super-Li Stock Menu  
~~~~~  
1. Notifications - (0)  
2. Add Product Unit  
3. Add Product  
4. Add Category  
5. Add Sale Discount  
6. Generate Report  
7. Mark Product As Defected  
8. Change Product's Category  
9. Remove Product Unit  
  
0. Exit  
Input:
```

Note that the number next to the notification line shows how many product types are under-stocked.

The user must enter a numbered input in the range of 0-8, or however many options the menu displays, when 0 is the default input for returning to the previous menu or exiting the system, and then press enter. At some points when entering information into the system, the user can also be prompted to write text as input, as follows:

```
~~~~~  
Add Category Menu:  
~~~~~  
  
Enter Category Name: Toys
```

Or enter a Boolean (yes or no) input, but simply, as “y” or “n”, as is shown here:

```
Is The Item In Storage? (y/n)  
Input: y
```

Or a date in the following format:

```
Enter Expiration Date (dd-mm-yyyy): 10-01-2024|
```

Supplier Management System:

After choosing the Supplier Management System, the following main menu will appear:

```
Welcome to Super-Li's supplier management system!
~~~~~
1. Print details
2. Add supplier
3. Sign contract
4. Add contact to a supplier
5. Add product to a supplier
6. Add discount
7. Make weekly order
8. Update weekly order
9. Make order due to shortage
10. Print orders

0. Exit
Input:
```

The same instructions above work for this sub-system as well in regards to navigation and input.

Transport Management System:

After choosing the Transport Management System, the following main menu will appear:

```
Welcome to Transport System!  
Please choose an option:  
1.Transport.  
2.Transport Documents.  
3.Logistic  
4.Status  
(!)Press 0 to exit the System
```

The user must enter a numbered input in the range of 0-4, or however many options the menu displays, when 0 is the default input for returning to the previous menu or exiting the system, and then press enter. At some points when entering information into the system, the user can also be prompted to write text as input, as follows:

```
Please enter date of transport, time of departure, truck license number, driver ID, sites ID's (seperated by comma), transport documents ID's (seperated by comma) and shipping area.  
For example: 21/05/1978 12:00 1234569 20589745 1,5 41,12,32 South
```

Employee Management System:

After choosing the Employee Management System, you will required to enter your ID. If you are an HRManager the following main menu will appear:

```
1) Add/Remove Employee
2) Edit employee details
3) Add/Remove available shift
4) Add/Remove skills
5) Add/Remove Employee to shift
6) Add/Remove Constraint To Existing shift
7) Add/Remove Shift
8) Print Schedule
9) Print Employee Personal Details
10) Choose Diffrent account
11) Update Driver License Type
12) Add/Remove Driver
13) Exit
```

Else, The following main menu will appear:

```
Date Of Daily Schedule: 2023-11-11
Daily Schedule:

  Shift:
    Type: Day
    Shift Date: 2023-11-11
    Constraints:

    Current Shift Employees:
      Name: dsdsd dsds
      Type: Storekeeper
      Skills:
        Storekeeper |

      Name: beni alo
      Type: Driver
      Skills:
        Cashier | Driver |

    Shift status: Open

Please Enter Date Of Shift
```

You will be see all of the available open shifts and you will have an option to sign yourself to open shifts.

Database

Category Table:

	id	name	super
	Filter	Filter	Filter
1	1	Milk Products	<i>NULL</i>
2	2	Milk	1
3	3	Boxed Milk	2

Products Table:

id	name	category	minQuantity	producer	salePrice	saleDiscount	amount
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	Tnuva 1.5 Litre Milk	3	20	Tnuva	5.94	-1.0	3

Product Units Table:

id	typeId	expirationDate	isDefected	inStorage	location	supplierDiscount
Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	1	28-06-2022	false	false	12	-1
2	1	28-06-2022	false	false	12	-1
3	1	28-06-2022	false	false	12	-1

Discounts Table:

id	discount
Filter	Filter
1	10
2	10
3	10
4	10
5	10

SupplierDiscounts Table (Inherits in join-table strategy from Discounts):

	id	supplierId
	Filter	Filter
1	1	1
2	2	1
3	3	1
4	4	1
5	5	1

SaleDiscounts Table(Inherits in join-table strategy from Discounts):

id	start	end
Filter	Filter	Filter
7	27-05-2022	27-05-2024

Orders Table:

orderId	weekly	supplierId	supplierName	address	date	tactPh	isReady	isArrived
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter

OrderLines Table:

id	orderId	catalogNumber	ProductName	amount	price	discount	finalPrice
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter

Contacts Table:

supplierId	phone ▼ ¹	name	email
Filter	Filter	Filter	Filter

Others Table:

key	intVal	textVal
Filter	Filter	Filter

QDDiscounts Table:

supplierId	catalogNumber	name	fromAmount	discount
Filter	Filter	Filter	Filter	Filter

SupplierContracts Table:

id	day	isIndependent	quantitiesDocument
Filter	Filter	Filter	Filter

Suppliers Tabl

id	name	companyNumber	bankAccount	payWay
Filter	Filter	Filter	Filter	Filter

SupplierProducts Table:

supplierId	name	manufacturer	CatalogNumber	price
Filter	Filter	Filter	Filter	Filter

ShipTime Table:

orderId	weeklyDate	shortageDate
Filter	Filter	Filter

AvailableShiftsForEmployees:

	EmplID	Date	Type	DriverID
	Filter	Filter	Filter	Filter
1	222333444	2023-05-20	Day	<i>NULL</i>
2	313268831	2022-05-21	Night	<i>NULL</i>

Drivers:

	FirstName	LastName	ID	BankAccountNumber	Salary	EmpConditions	StartWorkingDate	licenseType
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	dsds	dsds	111222333	321321	321321	sadsa	2022-05-21	D
2	dsdsds	dsds	111222444	321321	321321	safsa	2022-05-21	A
3	beni	alo	205893654	12345	123456	sad	2020-11-15	C

EmployeeSkills:

	EmployeeID	TypeOfEmployee	DriverID
	Filter	Filter	Filter
1	313268831	HRManager	<i>NULL</i>
2	111222333	Driver	<i>NULL</i>
3	111222444	Driver	<i>NULL</i>
4	111333444	Storekeeper	<i>NULL</i>
5	205893654	Cashier	<i>NULL</i>
6	205893654	Driver	<i>NULL</i>

Employees:

	FirstName	LastName	ID	BankAccountNumber	Salary	EmpConditions	StartWorkingDate
	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	Nadav	Gigi	313268831	585858	10000	need to sit	1995-12-13
2	dsdsd	dsds	111333444	3232	3232	fsfs	2022-05-21
3	beni	alo	205893654	12345	123456	sad	2020-11-15

EmployeesInShift:

	EmployeeID	ShiftID	RoleInShift	DriverID
	Filter	Filter	Filter	Filter
1	111333444	1	Storekeeper	<i>NULL</i>
2	111333444	2	Storekeeper	<i>NULL</i>
3	111333444	3	Storekeeper	<i>NULL</i>
4	205893654	1	Driver	<i>NULL</i>
5	111333444	4	Storekeeper	<i>NULL</i>
6	123030324	0	Cashier	<i>NULL</i>
7	123030324	0	Cashier	<i>NULL</i>

ShiftConstraints:

ShiftID	TypeOfEmployee	Amount
Filter	Filter	Filter

Shifts:

	ID	Date	TypeOfShift	IsSealed
	Fil...	Filter	Filter	Filter
1	1	2023-11-11	Day	0
2	2	2022-05-21	Day	0
3	3	2022-05-21	Night	0
4	4	2023-11-12	Day	0

Sites:

	id	address	contactName	contactNumber	area
	Fil...	Filter	Filter	Filter	Filter
1	1	Tel Aviv, Shvil Hahartzit 10	Ben	0542456744	Center
2	2	Ramat-Gan, Aba Hillel 1	Regev	0542147895	South
3	3	Ashkelon, Denver 3	Nadav	054741254	South
4	4	Tel Aviv, Kinker 10	Yossi	054879654	Center
5	5	Beer Sheba, Rehuvim Rubin 7	Tzlil	054789456	South
6	100	Hello 7, Tel Aviv	Ben	0542456754	South
7	6	Yhuda Macabi, Tel-Aviv	Beni	0542456333	Center
8	7	Migdal Macabi, Ramat-Gan	nadi	054786354	Center

TransDocToTransport:

	transportId	transDocId
	Filter	Filter
1	1	1
2	2	2
3	2	3
4	3	4

TransportDocuments:

	id	asPlanned	siteId	assignedTransport	status
	Fil...	Filter	Filter	Filter	Filter
1	1	true	1	1	Done
2	2	true	2	2	Done
3	3	true	3	2	Done
4	4	true	3	3	Done
5	5	true	1	-1	Awaiting

TransportDocumentsProducts:

	transportDocumentId	productId	quantity
	Filter	Filter	Filter
1	1	1	12
2	2	2	23
3	3	3	12
4	4	4	5
5	5	2	4
6	5	1	5

Transports:

	transportId	DateOfTransport	timeOfDeparture	vehicleLicensePlate	driverId	area	status
	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	1	11/11/2023	09:00	132	111222444	Center	Done
2	2	11/11/2023	13:00	132	111222444	Center	Done
3	3	11/11/2023	12:00	132	111222444	North	Done

TransportsSites:

	siteId	transportId
	Filter	Filter
1	2	1
2	4	2
3	4	3

Vehicles:

	numberPlate	licenseType	netWeight	maxWeight	kind
	Filter	Filter	Filter	Filter	Filter
1	132	A	10000	20000	Truck
2	465	B	5000	1000	Truck
3	789	C	500000	600000	Truck
4	314	C	10000	20000	Truck