

Pharmacy Management System

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To compile and run files follow steps mentioned below:

1. Navigate to src folder.
2. Open command line prompt in src folder and type command specified below:

```
javac -cp ojdbc8-21.1.0.0.jar;rs2xml.jar; -d ../bin *.java
```

3. Now .class files are created in "bin" folder.
4. To run the project navigate to bin folder.
5. Open command line prompt in bin folder and type command specified below to run project:

```
java -cp ojdbc8-21.1.0.0.jar;rs2xml.jar; MainMenu
```

To use Project:

1. Click Populate on Menu.



Fig. 1 - Main Menu

2. There are two choices:

2.1.a. Click on Sale Bill.

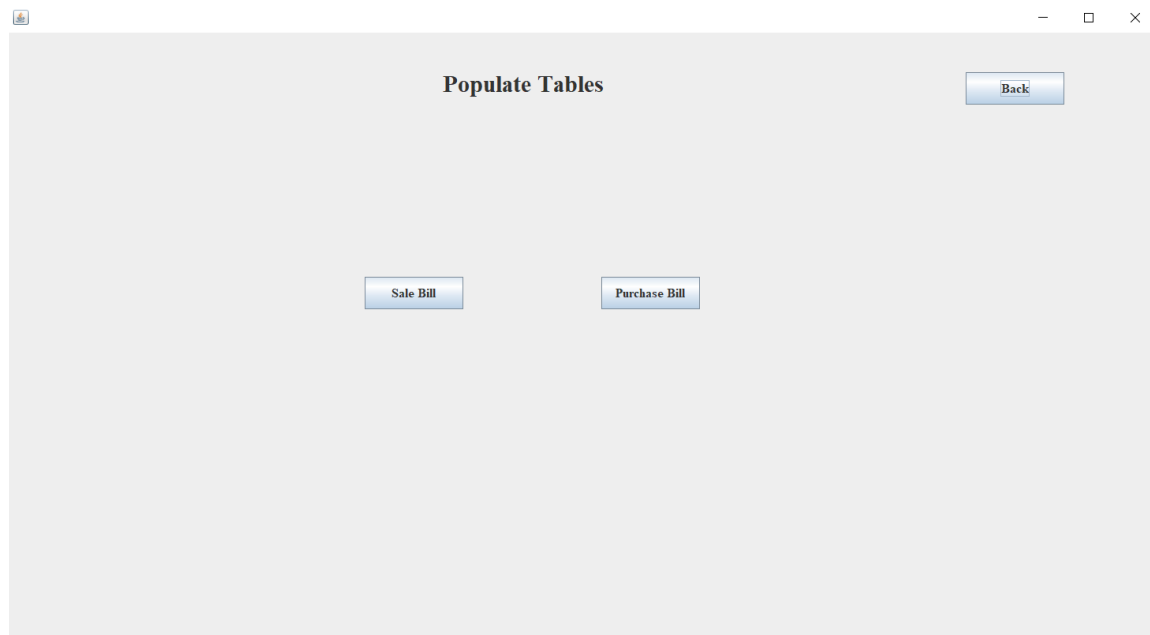


Fig. 2 – Populate Menu

2.1.b. Enter details.



The 'Sale Bill' form is a web-based interface for entering sales details. It features a title bar with a minimize, maximize, and close button. The form is organized into five rows of input fields. The first row contains 'Cusotmer ID', 'First Name', and 'Last Name'. The second row contains 'DOB', 'Address', and 'Doc. Name'. The third row contains 'Order ID', 'Oprtr Name', and 'Pmt. Mode'. The fourth row contains 'Sale Voucher', 'Product ID', and 'Purchase ID'. The fifth row contains 'Sale Date', 'Total Qty', and 'Sale Rate'. A 'Back' button is located in the top right corner, and an 'ADD' button is centered at the bottom.

Sale Bill			
Cusotmer ID	<input type="text"/>	First Name <input type="text"/>	Last Name <input type="text"/>
DOB	<input type="text"/>	Address <input type="text"/>	Doc. Name <input type="text"/>
Order ID	<input type="text"/>	Oprtr Name <input type="text"/>	Pmt. Mode <input type="text"/>
Sale Voucher	<input type="text"/>	Product ID <input type="text"/>	Purchase ID <input type="text"/>
Sale Date	<input type="text"/>	Total Qty <input type="text"/>	Sale Rate <input type="text"/>

Back

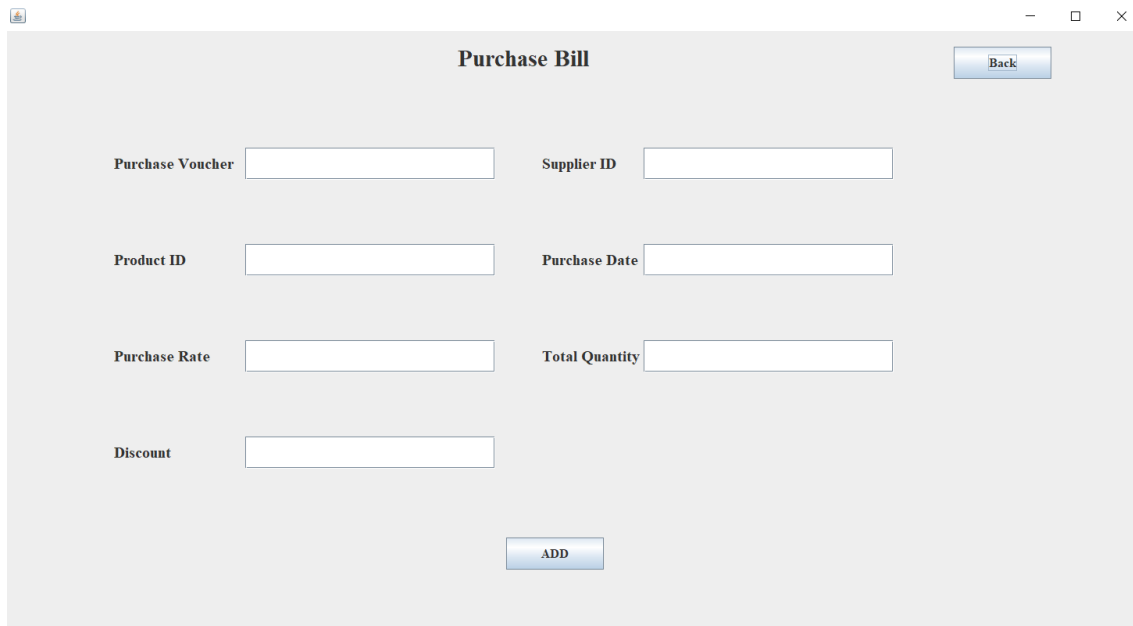
ADD

Fig. 3 – sale Bill

2.1.c. Click Add button.

2.2.a Click Purchase Bill.

2.2.b Enter details.



The 'Purchase Bill' form is a web-based interface for entering purchase details. It features a title bar with a minimize, maximize, and close button. The form is organized into four rows of input fields. The first row contains 'Purchase Voucher' and 'Supplier ID'. The second row contains 'Product ID' and 'Purchase Date'. The third row contains 'Purchase Rate' and 'Total Quantity'. The fourth row contains 'Discount'. A 'Back' button is located in the top right corner, and an 'ADD' button is centered at the bottom.

Purchase Bill			
Purchase Voucher	<input type="text"/>	Supplier ID	<input type="text"/>
Product ID	<input type="text"/>	Purchase Date	<input type="text"/>
Purchase Rate	<input type="text"/>	Total Quantity	<input type="text"/>
Discount	<input type="text"/>		

Back

ADD

Fig 4 – Purchase Bill

2.2.c Click Add button.

3. Click on Update button in Menu. There are two choices:

3.1.a. Click on Sale Bill.

3.1.b. Enter details which you want to update.

3.1.c. Click Add button.

3.2.a. Click Purchase Bill.

3.2.b. Enter details which you want to update.

3.2.c. Click Add button.

4. Click Delete button to delete records. There are two choices:

4.1.a. Click Sale Bill.

4.1.b. Enter details of records to be deleted.

Sale Bill

Back

Customer ID

Order ID

Sale Voucher

DELETE

Fig. 5 – Delete Sale Bill

4.1.c Click Delete button.

4.2.a. Click Purchase Bill.

4.2.b. Enter details of records to be deleted.

Purchase Bill

Back

Purchase Voucher

DELETE

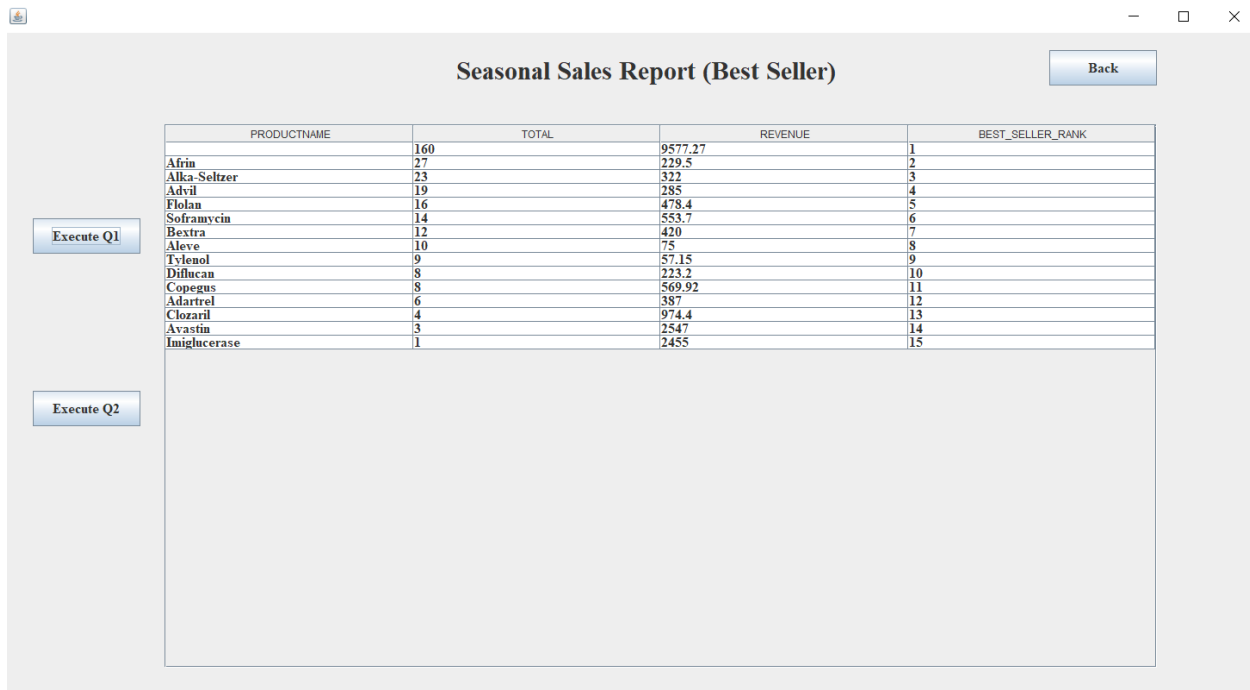
Fig. 6 – Delete Purchase Bill

4.2.c. Click Delete button

5. Click on Query to run business Goals.

5.1.a. Click on Business Goal 1.

5.1.b. Click on Execute Q1 to run query.



PRODUCTNAME	TOTAL	REVENUE	BEST_SELLER_RANK
Afrin	160	9577.27	1
Alka-Seltzer	27	229.5	2
Advil	23	322	3
Flolan	19	285	4
Solramycin	16	478.4	5
Bextra	14	533.7	6
Aleve	12	420	7
Tylenol	10	75	8
Diflucan	9	57.15	9
Copegus	8	223.2	10
Adartrel	8	569.92	11
Clozaril	6	387	12
Avastin	4	974.4	13
Imiglucerase	3	2547	14
	1	2455	15

Fig. 7 – Business Goal 1

5.2.a. Click on Business Goal 2.

5.2.b. Click on Execute to run query.



Supplier Purchase Frequency

Back

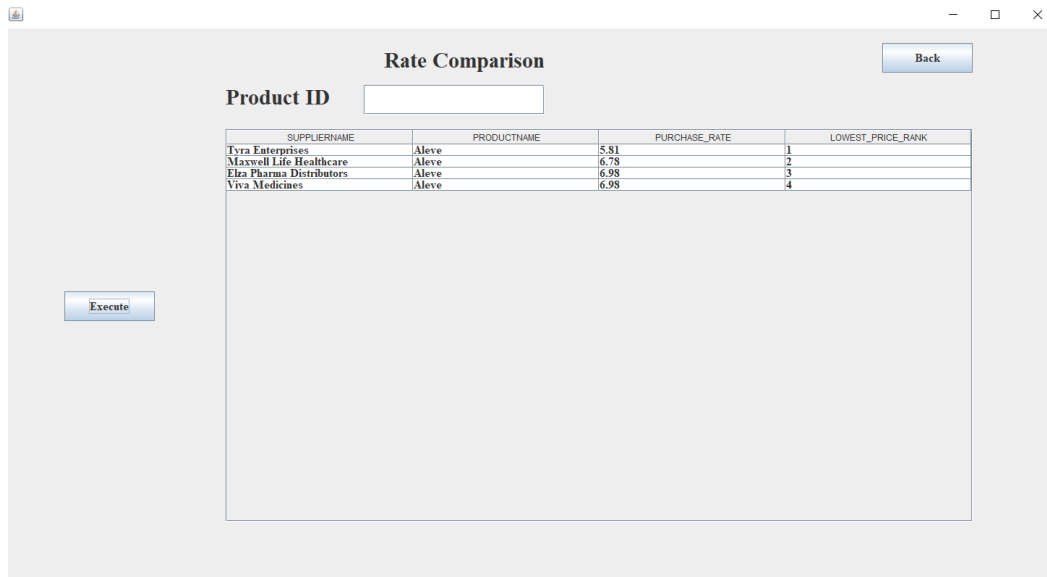
Execute

SUPPLIERNAME	PRODUCTNAME
Jones and Sons Distributors	Tylenol
Alesee Healthcare	Avastin
Elly Pharmaceuticals Distributors	Copegus
Maxwell Life Healthcare	Cosart
Maxwell Life Healthcare	Cambia
Elza Pharma Distributors	Femara
Devorah Chemists	Singulair
Jones and Sons Distributors	Belsomra
Delisa Distributors	Adartrel
Delisa Distributors	Adartrel
Elza Pharma Distributors	Adartrel
Viva Medicines	Breo
Devorah Chemists	Flolan
Viva Medicines	Flolan
Viva Medicines	Advil
Herman Pharma Agency	Advil
Herman Pharma Agency	Bextra
Elza Pharma Distributors	Bextra
Herman Pharma Agency	Diflucan
Elly Pharmaceuticals Distributors	Diflucan
Tyra Enterprises	Diflucan
Jones and Sons Distributors	Diflucan
Elza Pharma Distributors	Diflucan
Delisa Distributors	Soframycin
Elza Pharma Distributors	Soframycin
Maxwell Life Healthcare	Imigibcorase
Jones and Sons Distributors	Afrin
Delisa Distributors	Aktren
Viva Medicines	Aleve
Viva Medicines	Aleve
Devorah Chemists	Alka-Seltzer
Elly Pharmaceuticals Distributors	Alka-Seltzer

Fig. 8 – Business Goal 2

5.3.a. Click on Business Goal 3.

5.3.b. Click on Execute to run query.



Rate Comparison

Back

Product ID

Execute

SUPPLIERNAME	PRODUCTNAME	PURCHASE_RATE	LOWEST_PRICE_RANK
Tyra Enterprises	Aleve	5.81	1
Maxwell Life Healthcare	Aleve	6.78	2
Elza Pharma Distributors	Aleve	6.98	3
Viva Medicines	Aleve	6.98	4

Fig. 9 – Business Goal 3

5.4.a. Click on Business Goal 4.

5.4.b. Click on Execute Q1 to run query.

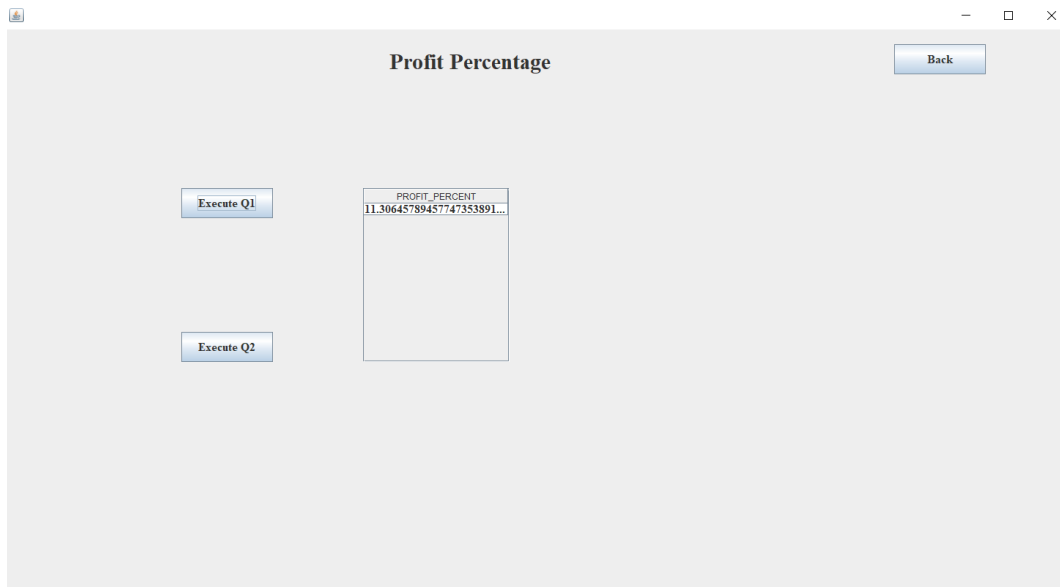


Fig. 10 – Business Goal 4

6. Click on Search to view relations.

6.1. Click on whichever relation you want to view

The screenshot shows a window titled "View Relations". It has a "Back" button in the top right corner. Below the title, there are several buttons: "Customer", "Pharmacy", "Supplier", "Supplier Phone", "Company", "Products", "Product Lot", "Sale Bill", and "Purchase Bill". Below these buttons is a table with the following columns: SALEVOUCHERID, SCUSTOMERID, SORDERID, SPRODUCTID, SPURCHASEID, PAYMENTMODE, SALEDATE, TOTQTY, and SALERATE. The table contains 26 rows of data.

SALEVOUCHERID	SCUSTOMERID	SORDERID	SPRODUCTID	SPURCHASEID	PAYMENTMODE	SALEDATE	TOTQTY	SALERATE
1	1	1	2	16	ca	2021-04-02 00:00:0...	3	849
2	2	2	19	41	ca	2021-04-05 00:00:0...	9	7.5
3	3	3	15	42	cc	2021-04-09 00:00:0...	7	39.55
4	3	4	12	7	cc	2021-04-09 00:00:0...	9	15
5	4	5	4	4	ca	2021-04-19 00:00:0...	4	243.6
6	5	6	3	14	ca	2021-04-23 00:00:0...	5	71.24
7	5	7	13	1	ca	2021-04-23 00:00:0...	6	35
8	5	8	20	47	ca	2021-04-23 00:00:0...	13	14
9	6	9	17	10	cc	2021-05-06 00:00:0...	12	8.5
10	6	10	19	2	cc	2021-05-06 00:00:0...	1	7.5
11	7	11	1	15	ca	2021-05-14 00:00:0...	9	6.35
12	7	12	12	7	ca	2021-05-14 00:00:0...	6	15
13	8	13	20	46	ca	2021-05-20 00:00:0...	10	14
14	9	14	16	9	cc	2021-05-27 00:00:0...	1	2455
15	10	15	15	3	cc	2021-06-04 00:00:0...	5	39.55
16	10	16	12	7	cc	2021-06-04 00:00:0...	4	15
17	10	17	11	6	cc	2021-06-04 00:00:0...	10	29.9
18	11	18	3	5	ca	2021-06-09 00:00:0...	3	71.24
19	11	19	17	10	ca	2021-06-09 00:00:0...	8	8.5
20	11	20	13	1	ca	2021-06-09 00:00:0...	6	35
21	12	21	17	48	ca	2021-06-16 00:00:0...	7	8.5
22	12	22	11	43	ca	2021-06-16 00:00:0...	6	29.9
23	13	23	15	42	ca	2021-06-23 00:00:0...	2	39.55
24	13	24	14	17	ca	2021-06-23 00:00:0...	8	27.9
25	14	25	9	12	cc	2021-06-29 00:00:0...	6	64.5
26	14	26	1	10	cc	2021-07-03 00:00:0...	6	2.52

Fig. 11 – Sale Bill Relation

Customer

Pharmacy

Supplier

Supplier Phone

Company

Products

Product Lot

Sale Bill

Purchase Bill

Back

View Relations

PURCHASEVOUCHERID	PSUPPLIERID	PPRODUCTID	PURCHASEDATE	PURCHASERATE	TOTALQUANTITY	DISCOUNT
1	4	13	2021-04-02 00:00:00.0	28.5	20	20
2	4	19	2021-04-02 00:00:00.0	6.98	5	10
3	7	15	2021-04-09 00:00:00.0	33	10	12.7
4	2	4	2021-04-16 00:00:00.0	226	5	6.5
5	10	3	2021-04-22 00:00:00.0	621.65	5	10.5
6	3	11	2021-04-28 00:00:00.0	22.75	10	21
7	5	12	2021-05-02 00:00:00.0	12.73	10	17
8	5	20	2021-05-06 00:00:00.0	12.37	5	9.8
9	1	16	2021-05-11 00:00:00.0	2248.44	5	8.6
10	8	17	2021-05-16 00:00:00.0	7.27	20	16.5
11	9	10	2021-05-22 00:00:00.0	367.47	5	7.8
12	5	9	2021-05-27 00:00:00.0	85.9	10	11.8
13	10	5	2021-06-03 00:00:00.0	987.35	10	9
14	4	3	2021-06-08 00:00:00.0	65.59	5	7.5
15	8	1	2021-06-13 00:00:00.0	5.63	10	10.3
16	7	2	2021-06-19 00:00:00.0	770	10	8.5
17	2	14	2021-06-24 00:00:00.0	23.32	10	15
18	6	18	2021-06-29 00:00:00.0	12.95	15	10
19	9	4	2021-07-01 00:00:00.0	226	5	6.5
20	4	6	2021-07-06 00:00:00.0	588.44	5	6
21	10	8	2021-07-10 00:00:00.0	420.85	5	9.3
22	5	20	2021-07-14 00:00:00.0	11.65	15	15
23	3	19	2021-07-19 00:00:00.0	6.98	10	10
24	1	15	2021-07-26 00:00:00.0	32.16	10	15
25	3	10	2021-07-29 00:00:00.0	367.47	5	7.8
26	6	13	2021-08-03 00:00:00.0	86.2	12	8.6

Fig. 12 – Purchase Bill Relation

7. Click on Exit button on Menu to close Project.

Note: Use back button at top right corner to navigate in project.