INVOICE BILLING SYSTEM

Case 1: Create Invoice

```
Problems  @ Javadoc  Declaration  Console ×
Main (4) [Java Application] C:\Users\HP\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-
Enter Customer's Mobile Number: 6358627496
Enter Customer Name: Yogu
Enter Discount: 0
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 1
Enter Item Name: Rice
Enter Quantity: 3
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 1
Enter Item Name: Salt
Enter Quantity: 4
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 4
Total Amount: 190.0
Enter Amount Paid: 180
Invoice created successfully.
Initial Balance: 0.0


-------------------------------------------------------------------------
                RAM STORE
Invoice ID: 3
Customer ID: 5
Customer Name: Yogu
Date: 2024-07-18

Item Name              Quantity    Unit       Rate        Price
-------------------------------------------------------------------------
Rice                   3           kg         50.00       150.00
salt                   4           packet     10.00       40.00

SubTotal: 190.00
Discount: 0.00
Total: 190.00
Customer Balance: 10.00
TThank you for your purchase!
Paid Amount: 180.0
Balance Due: 10.0
```

Database:

Customer table:

CustomerID	Name	MobileNumber	Balance
1	Gayathri	8015598411	15
2	Madhumita	8015509876	20
5	Yogu	6358627496	10
NULL	NULL	NULL	NULL

Invoice table:

	InvoiceID	CustomerID	Date	SubTotal	Discount	Total
	1	1	2024-07-18 00:00:00	220	5	215
	2	2	2024-07-18 00:00:00	170	0	170
▶	3	5	2024-07-18 00:00:00	190	0	190
*	NULL	NULL	NULL	NULL	NULL	NULL

Invoice details table:

	InvoiceDetailID	InvoiceID	ItemID	Quantity	Price
▶	1	1	1	2	100
	2	1	2	3	120
	3	2	2	3	120
	4	2	1	1	50
	5	3	1	3	150
	6	3	4	4	40
*	NULL		NULL	NULL	NULL	NULL

Case 2: View All Invoices

Problems @ Javadoc Declaration Console ✕

Main (4) [Java Application] C:\Users\HP\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v202

```
Invoice Billing System
1. Create Invoice
2. View All Invoices
3. View Invoice by ID
4. View Customer Balance
5. View Item Sales
6. Create Item
7. Exit
Choose an option: 2
List of Invoices:
Invoice ID: 1, Customer ID: 1, Date: 2024-07-18, Total: 215.00
Invoice ID: 2, Customer ID: 2, Date: 2024-07-18, Total: 170.00
Invoice ID: 3, Customer ID: 5, Date: 2024-07-18, Total: 190.00
```
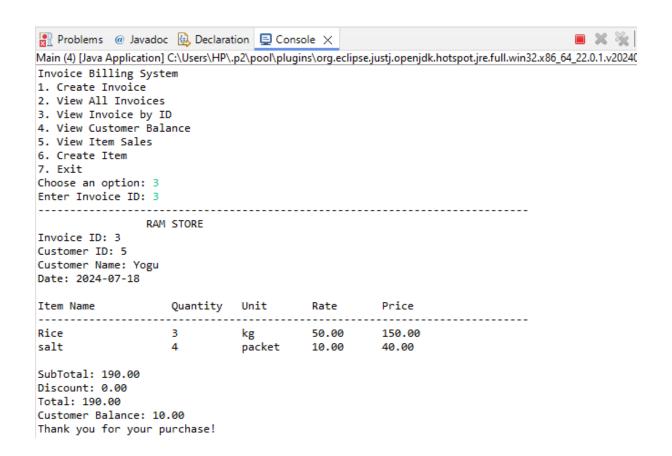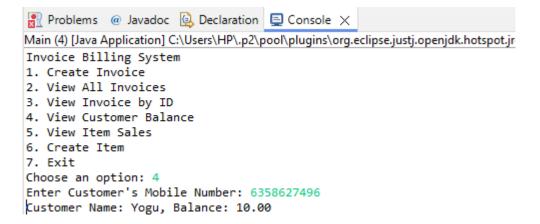
Result Grid | 🔢 | 🔄 Filter Rows: | | Edit: 📝 🔜 🔚 | Export/Import:

	InvoiceID	CustomerID	Date	SubTotal	Discount	Total
▶	1	1	2024-07-18 00:00:00	220	5	215
	2	2	2024-07-18 00:00:00	170	0	170
	3	5	2024-07-18 00:00:00	190	0	190
*	NULL	NULL	NULL	NULL	NULL	NULL

Case 3: View Invoice By Id

```
Invoice Billing System
1. Create Invoice
2. View All Invoices
3. View Invoice by ID
4. View Customer Balance
5. View Item Sales
6. Create Item
7. Exit
Choose an option: 3
Enter Invoice ID: 3
----------------------------------------------------------------------
                RAM STORE
Invoice ID: 3
Customer ID: 5
Customer Name: Yogu
Date: 2024-07-18

Item Name          Quantity   Unit       Rate       Price
----------------------------------------------------------------------
Rice               3          kg         50.00      150.00
salt               4          packet     10.00      40.00

SubTotal: 190.00
Discount: 0.00
Total: 190.00
Customer Balance: 10.00
Thank you for your purchase!
```

Case 4: View Customer Balance

```
Invoice Billing System
1. Create Invoice
2. View All Invoices
3. View Invoice by ID
4. View Customer Balance
5. View Item Sales
6. Create Item
7. Exit
Choose an option: 4
Enter Customer's Mobile Number: 6358627496
Customer Name: Yogu, Balance: 10.00
```

Case 5:View Item Sales

```
Invoice Billing System
1. Create Invoice
2. View All Invoices
3. View Invoice by ID
4. View Customer Balance
5. View Item Sales
6. Create Item
7. Exit
Choose an option: 5
Item Sales Report:
Item Name          Unit       Total Quantity  Total Sales
Rice               kg         6               300.00
Sugar              kg         6               240.00
salt               packet     4               40.00
```

Database:

Item table

ItemID	ItemName	Unit	Rate
1	Rice	kg	50
2	Sugar	kg	40
3	GoldWinner	l	80
4	salt	packet	10
NULL	NULL	NULL	NULL

Invoice details table

InvoiceDetailID	InvoiceID	ItemID	Quantity	Price
1	1	1	2	100
2	1	2	3	120
3	2	2	3	120
4	2	1	1	50
5	3	1	3	150
6	3	4	4	40
NULL	NULL	NULL	NULL	NULL

Case 6: Create Item

```
Invoice Billing System
1. Create Invoice
2. View All Invoices
3. View Invoice by ID
4. View Customer Balance
5. View Item Sales
6. Create Item
7. Exit
Choose an option: 6
Enter Item Name: Milk
Enter Unit: packets
Enter Rate: 35
Item created successfully.
```

Database Iem table

	ItemID	ItemName	Unit	Rate
▶	1	Rice	kg	50
	2	Sugar	kg	40
	3	GoldWinner	l	80
	4	salt	packet	10
	5	Milk	packets	35
*	NULL	NULL	NULL	NULL

For updating

```
Invoice Billing System
1. Create Invoice
2. View All Invoices
3. View Invoice by ID
4. View Customer Balance
5. View Item Sales
6. Create Item
7. Exit
Choose an option: 6
Enter Item Name: milk
Item already exists. Enter 1 to update it, 0 to cancel:
1
Enter new Unit: packet
Enter new Rate: 50
Item updated successfully.
```

Database Item updated table

	ItemID	ItemName	Unit	Rate
▶	1	Rice	kg	50
	2	Sugar	kg	40
	3	GoldWinner	l	80
	4	salt	packet	10
	5	Milk	packet	50
*	NULL	NULL	NULL	NULL