INVOICE BILLING SYSTEM

TABLE DESIGN:

CUSTOMER TABLE:

| CustomerID | Name | MobileNumber | Balance |
|------------|---------------|--------------|---------|
| 1 | Akshaya | 7373611199 | 16.25 |
| 2 | Amritha | 7373911199 | 3.40 |
| 3 | Seetha | 9897868787 | 7.50 |
| 4 | Ajitha | 6576875646 | 3.50 |
| 5 | Tharanya | 4565768798 | 6.00 |
| 6 | Roshini | 9089342312 | 8.50 |
| 7 | Manju | 8796875676 | 70.00 |
| 8 | Sakkaravarthy | 9342312567 | 8.00 |
| 9 | Minerva | 9675645342 | 0.00 |
| 10 | Hazel | 9645786677 | 56.00 |

ITEM TABLE:

| ItemID | ItemName | Unit | Rate |
|--------|-----------|------|-------|
| 1 | Pencil | pcs | 5.00 |
| 2 | Scale | pcs | 10.00 |
| 3 | DiaryMilk | pcs | 10.00 |
| 4 | KitKat | pcs | 15.00 |
| 5 | Munch | pcs | 20.00 |
| 6 | Notebook | - | 45.00 |
| 7 | Rice | kg | 40.00 |
| 8 | InkBottle | - | 30.00 |
| 9 | PenStand | pcs | 30.00 |
| 10 | Eraser | pcs | 10.00 |
| 11 | Mirror | pcs | 60.00 |

INVOICE TABLE:

| InvoiceID | CustomerID | Date | SubTotal | Discount | Total | PaidAmount |
|-----------|------------|------------|----------|----------|--------|------------|
| 1 | 1 | 2024-07-22 | 175.00 | 8.75 | 166.25 | 150.00 |
| 2 | 2 | 2024-07-22 | 20.00 | 1.60 | 18.40 | 15.00 |
| 3 | 3 | 2024-07-22 | 50.00 | 2.50 | 47.50 | 40.00 |
| 4 | 4 | 2024-07-22 | 130.00 | 6.50 | 123.50 | 120.00 |
| 5 | 5 | 2024-07-22 | 80.00 | 4.00 | 76.00 | 70.00 |
| 6 | 6 | 2024-07-22 | 30.00 | 1.50 | 28.50 | 20.00 |
| 7 | 7 | 2024-07-22 | 300.00 | 30.00 | 270.00 | 200.00 |
| 8 | 8 | 2024-07-22 | 200.00 | 12.00 | 188.00 | 180.00 |
| 9 | 9 | 2024-07-22 | 20.00 | 1.00 | 19.00 | 19.00 |
| 10 | 10 | 2024-07-22 | 480.00 | 24.00 | 456.00 | 400.00 |

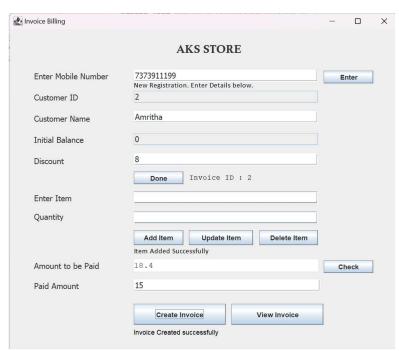
INVOICE DETAILS TABLE:

| DetailID | InvoiceID | ItemID | Quantity | Price |
|----------|-----------|--------|----------|--------|
| 1 | 1 | 12 | 5 | 100.00 |
| 2 | 1 | 1 | 2 | 10.00 |
| 3 | 1 | 4 | 1 | 15.00 |
| 4 | 1 | 10 | 1 | 10.00 |
| 5 | 1 | 2 | 1 | 10.00 |
| 6 | 1 | 9 | 1 | 30.00 |
| 7 | 2 | 3 | 2 | 20.00 |
| 8 | 3 | 1 | 10 | 50.00 |
| 9 | 4 | 5 | 2 | 40.00 |
| 10 | 4 | 6 | 2 | 90.00 |

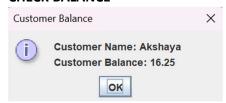
OUTPUT:



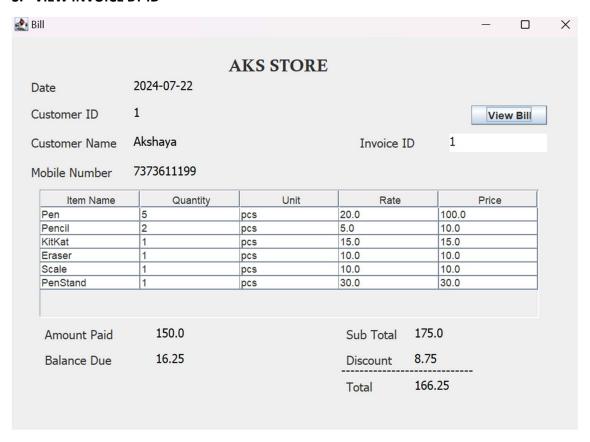
1. CREATE INVOICE:



2. CHECK BALANCE



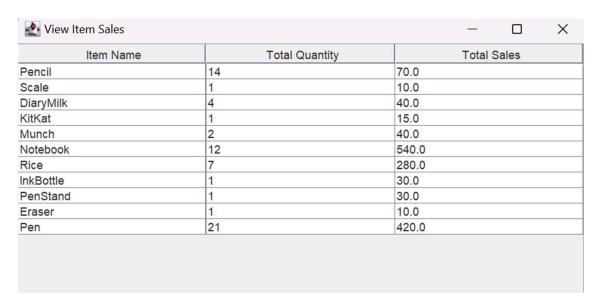
3. VIEW INVOICE BY ID



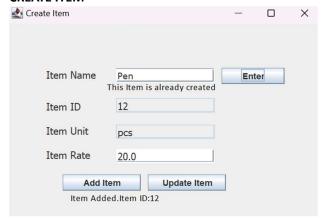
4. VIEW ALL INVOICES

| Invoice ID | Customer Name | Date | Total | Paid Amount |
|------------|---------------|------------|--------|-------------|
| 1 | Akshaya | 2024-07-22 | 166.25 | 150.0 |
| 2 | Amritha | 2024-07-22 | 18.4 | 15.0 |
| 3 | Seetha | 2024-07-22 | 47.5 | 40.0 |
| 1 | Ajitha | 2024-07-22 | 123.5 | 120.0 |
| 5 | Tharanya | 2024-07-22 | 76.0 | 70.0 |
| 3 | Roshini | 2024-07-22 | 28.5 | 20.0 |
| 7 | Manju | 2024-07-22 | 270.0 | 200.0 |
| 3 | Sakkaravarthy | 2024-07-22 | 188.0 | 180.0 |
| 9 | Minerva | 2024-07-22 | 19.0 | 19.0 |
| 10 | Hazel | 2024-07-22 | 456.0 | 400.0 |

5. VIEW ITEM SALES



6. CREATE ITEM



MAIN CONSOLE OUTPUT:

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

1. CREATE INVOICE OUTPUT:

```
Choose an option: 1
Enter Customer's Mobile Number: 7373211199
Enter Customer Name: Ajitha
Enter Discount: 5
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 1
Enter Item Name: Pen
Enter Quantity: 2
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 2
Enter Item Name: Pen
Enter Quantity to Update: 3
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 1
Enter Item Name: 5star
Item Name entered is not valid
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 1
Enter Item Name: kitkat
Enter Quantity: 2
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 3
Enter Item Name: kitkat
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 4
AMOUNT TO BE PAID: 55.0
Enter Paid Amount: 50
Invoice created successfully.
Initial Balance: 0.0
InvoiceID: 5
Customer Name: Ajitha
Date: 2024-07-18
Item Name
                     Quantity Unit
                                           Rate
                                                      Price
                                pcs
                                           20.00
                                                      60.00
Pen
SubTotal: 60.00
Discount: 0.00
Total: 55.00
Paid Amount: 50.0
Balance Due: 5.0
```

2. VIEW ALL INVOICES OUTPUT:

| Choose an | option: 2 | | | |
|-----------|-----------|------|------------|-------|
| InvoiceID | Customer | Name | Date | Total |
| 1 | Akshaya | | 2024-07-18 | 48.00 |
| 2 | Seetha | | 2024-07-18 | 57.00 |
| 3 | Gayatri | | 2024-07-18 | 15.00 |
| 4 | Akshaya | | 2024-07-18 | 0.00 |
| 5 | Ajitha | | 2024-07-18 | 55.00 |

3. VIEW INVOICE BY ID

Choose an option: 3
Enter Invoice ID: 1

InvoiceID: 1

Customer Name: Akshaya

Date: 2024-07-18

 Item Name
 Quantity
 Unit
 Rate
 Price

 KitKat
 2
 pcs
 15.00
 30.00

 Pen
 1
 pcs
 20.00
 20.00

SubTotal: 50.00 Discount: 0.00 Total: 48.00

4. VIEW CUSTOMER BALANCE

Choose an option: 4

Enter Customer's Mobile Number: 7373611199

Customer's Balance Due: 13.0

5. VIEW ITEM SALES

Choose an option: 5

6. CREATE ITEM

Choose an option: 6

Enter Item Name: NOTEBOOK

Enter Unit: -Enter Rate: 45

Item created successfully