-: REPORT: -

Ufone Database Report

Tables Included:

Customer

Plan

Transaction

Complain

Packages

UPaisa

1. Customer Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CustomerID | Name | Age | Gender | Email | Phone |
| 1 | Ali Khan | 30 | Male | ali.khan@example.com | 1234567890 |
| 2 | Sara Ali | 28 | Female | sara.ali@example.com | 1234567891 |
| 3 | Ahmed Hassan | 35 | Male | ahmed.hassan@example.com | 1234567892 |
| 4 | Ayesha Raza | 25 | Female | ayesha.raza@example.com | 1234567893 |
| 5 | Bilal Akbar | 32 | Male | bilal.akbar@example.com | 1234567894 |

2. Plan Table

|  |  |  |  |
| --- | --- | --- | --- |
| PlanID | PlanName | PlanDetails | Price |
| 1 | Basic Plan | 100 minutes, 100 SMS, 1GB data | 300 |
| 2 | Standard Plan | 300 minutes, 300 SMS, 3GB data | 600 |
| 3 | Premium Plan | 500 minutes, 500 SMS, 5GB data | 900 |
| 4 | Family Plan | 1000 minutes, 1000 SMS, 10GB data | 1200 |
| 5 | Unlimited Plan | Unlimited minutes, SMS, and data | 1500 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| TransactionID | CustomerID | TransactionDate | Amount | TransactionType | Status | Description |
| 1 | 1 | 2024-05-01 10:00:00 | 500.00 | Payment | Completed | Bill payment for utilities |
| 2 | 2 | 2024-05-02 11:30:00 | 1000.00 | Transfer | Completed | Transfer to another account |
| 3 | 3 | 2024-05-03 12:45:00 | 750.50 | Deposit | Pending | Cash deposit at agent location |
| 4 | 4 | 2024-05-04 14:00:00 | 300.00 | Payment | Failed | Failed bill payment |
| 5 | 5 | 2024-05-05 15:15:00 | 200.00 | Transfer | Completed | Transfer to friend |
| 6 | 1 | 2024-05-06 16:30:00 | 450.75 | Deposit | Completed | Mobile deposit |
| 7 | 2 | 2024-05-07 17:45:00 | 600.00 | Payment | Completed | Online purchase payment |
| 8 | 3 | 2024-05-08 18:00:00 | 100.00 | Transfer | Pending | Scheduled transfer |
| 9 | 4 | 2024-05-09 19:30:00 | 550.00 | Deposit | Completed | Salary deposit |
| 10 | 5 | 2024-05-10 20:45:00 | 1200.00 | Payment | Completed | Education fee payment |

3. Transaction Table

4. Complain Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ComplainID | CustomerID | ComplainDate | Description | Status |
| 1 | 1 | 2024-05-01 08:00:00 | Network issue | Resolved |
| 2 | 2 | 2024-05-02 09:00:00 | Billing discrepancy | Pending |
| 3 | 3 | 2024-05-03 10:00:00 | Slow internet speed | In Progress |
| 4 | 4 | 2024-05-04 11:00:00 | Call drop | Resolved |
| 5 | 5 | 2024-05-05 12:00:00 | Recharge issue | Pending |
| 6 | 1 | 2024-05-06 13:00:00 | SIM not activated | Resolved |
| 7 | 2 | 2024-05-07 14:00:00 | Roaming not working | In Progress |
| 8 | 3 | 2024-05-08 15:00:00 | Poor customer service | Resolved |
| 9 | 4 | 2024-05-09 16:00:00 | Overcharged | Pending |
| 10 | 5 | 2024-05-10 17:00:00 | SMS not sending | Resolved |

5. Packages Table

|  |  |  |  |
| --- | --- | --- | --- |
| PackageID | PackageName | PackageDetails | Price |
| 1 | Daily Social | Unlimited social media, 100MB | 20 |
| 2 | Weekly Combo | 500 minutes, 500 SMS, 2GB data | 150 |
| 3 | Monthly All-In | 1500 minutes, 1500 SMS, 10GB data | 800 |
| 4 | Yearly Saver | Unlimited minutes, SMS, and data | 9000 |
| 5 | Night Package | 1GB data (12 AM - 8 AM) | 50 |
| 6 | Weekend Special | Unlimited minutes, SMS, 5GB data | 300 |
| 7 | Student Plan | 100 minutes, 100 SMS, 1GB data | 100 |
| 8 | Business Plan | Unlimited minutes, SMS, 50GB data | 2000 |
| 9 | Family Bundle | 3000 minutes, 3000 SMS, 20GB data | 1500 |
| 10 | Roaming Plan | Unlimited international minutes | 5000 |

6. UPaisa Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| TransactionID | CustomerID | TransactionDate | Amount | TransactionType | Status | Description |
| 1 | 1 | 2024-05-01 10:00:00 | 500.00 | Payment | Completed | Bill payment for utilities |
| 2 | 2 | 2024-05-02 11:30:00 | 1000.00 | Transfer | Completed | Transfer to another account |
| 3 | 3 | 2024-05-03 12:45:00 | 750.50 | Deposit | Pending | Cash deposit at agent location |
| 4 | 4 | 2024-05-04 14:00:00 | 300.00 | Payment | Failed | Failed bill payment |
| 5 | 5 | 2024-05-05 15:15:00 | 200.00 | Transfer | Completed | Transfer to friend |
| 6 | 1 | 2024-05-06 16:30:00 | 450.75 | Deposit | Completed | Mobile deposit |
| 7 | 2 | 2024-05-07 17:45:00 | 600.00 | Payment | Completed | Online purchase payment |
| 8 | 3 | 2024-05-08 18:00:00 | 100.00 | Transfer | Pending | Scheduled transfer |
| 9 | 4 | 2024-05-09 19:30:00 | 550.00 | Deposit | Completed | Salary deposit |
| 10 | 5 | 2024-05-10 20:45:00 | 1200.00 | Payment | Completed | Education fee payment |

Sample Queries

1. Retrieve all customer details

sql

Copy code

SELECT \* FROM Customer;

2. Update a customer record

sql

Copy code

UPDATE Customer

SET Email = 'new.email@example.com'

WHERE CustomerID = 1;

3. Delete a customer record

sql

Copy code

DELETE FROM Customer

WHERE CustomerID = 5;

4. Join Customers and Transactions

sql

Copy code

SELECT c.Name, t.TransactionDate, t.Amount, t.TransactionType

FROM Customer c

5. Total amount of transactions per customer

sql

Copy code

SELECT CustomerID, SUM(Amount) AS TotalAmount

FROM Transaction

GROUP BY CustomerID;

6. Cross join Customers and Plans

sql

Copy code

SELECT c.Name, p.PlanName

FROM Customer c

CROSS JOIN Plan p;

7. Customers with their corresponding plan names using LEFT JOIN

sql

Copy code

SELECT c.Name, p.PlanName

FROM Customer c

LEFT JOIN Plan p ON c.CustomerID = p.PlanID;

8. Customers with their corresponding plan names using RIGHT JOIN

sql

Copy code

SELECT c.Name, p.PlanName

FROM Customer c

RIGHT JOIN Plan p ON c.CustomerID = p.PlanID;

9. Total number of transactions

sql

Copy code

SELECT COUNT(\*) AS TotalTransactions

FROM Transaction;

10. Maximum transaction amount

sql

Copy code

SELECT MAX(Amount) AS MaxTransactionAmount

FROM Transaction;