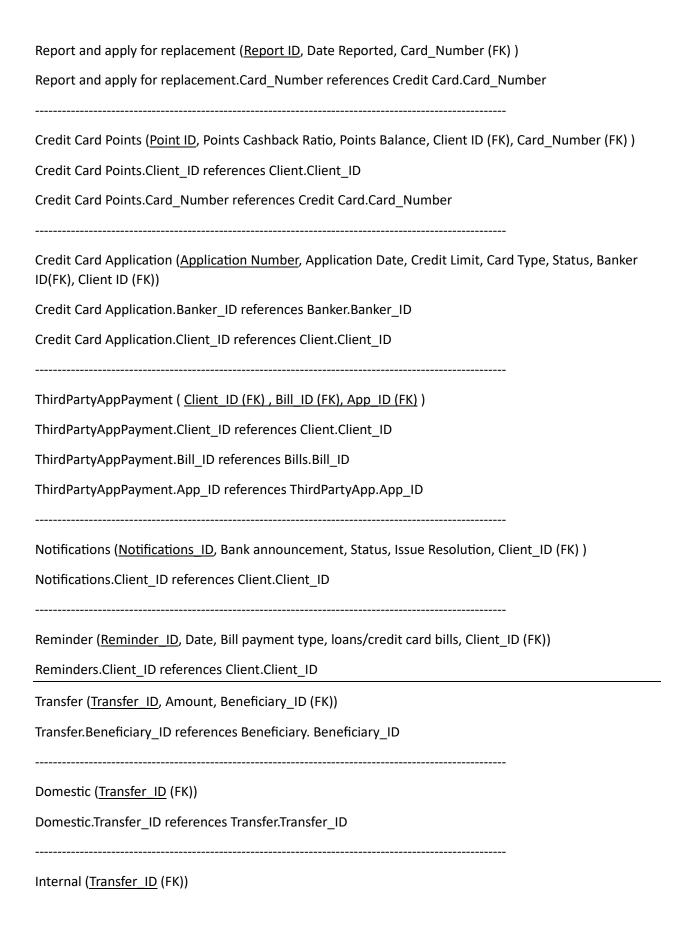
| User (<u>userID</u> , Phone, Password, Address, Email, Name) |
|--|
| User_Phone (<u>userID (FK), Phone</u>) |
| User_Phone.userID references User.userID |
| Banker (Banker_ID, userID (FK)) |
| Banker.userID references User.userID |
| Admin (<u>Admin_ID</u> , userID (FK)) |
| Admin.userID references User. userID |
| Client (Client_ID, Account_ID (FK), userID (FK)) |
| Client.userID references User. UserID |
| Client.Account_ID references Bank Account.Account_ID |
| Loan Application (<u>Application Number</u> , Loan Type, Status, Loan Amount, Application Date, Client_ID(FK)) |
| LoanApplication.Client_ID references Client.Client_ID |
| Loan (<u>Loan ID</u> , Loan Amount, Interest Rate, Monthly Payment, Client_ID (FK)) |
| Loan.Client_ID references Client.Client_ID |
| Where loan. MonthlyPayment = ((interestRate+1) *loanAmount)/12 |
| Bank Account (<u>Account ID</u> , Account Type, Status (opened/closed), Account Open Date, Account Close Date, Balance, Client_ID (FK)) |
| Bank Account.Client_ID references Client.Client_ID |
| Credit Card Bill (<u>Bill ID</u> , Type, Amount, Card Number (FK), Client_ID (FK)) |
| Credit Card Bill.Card_Number references Credit Card.Card_Number |
| Credit Card Bill.Client_ID references Client.Client_ID |
| |

| Credit Card (Card Number, Card Type, Credit Limit, Client_ID (FK)) |
|---|
| Credit Card.Client_ID references Client.Client_ID |
| |
| Transactions (<u>Transaction ID</u> , Date, Amount, Client_ID (FK)) |
| Transactions.Client_ID references Client.Client_ID |
| |
| Credit Card Transactions (Credit Card Transaction ID, Transaction ID (FK), Card_Number (FK)) |
| Credit Card Transactions.Card_Number references Credit Card.Card_Number |
| Credit Card Transactions. Transaction ID references Credit Transactions. Transaction ID |
| |
| Bank Account Transactions (Bank Account Transaction ID, Transaction ID (FK), Account ID (FK)) |
| Bank Account Transactions.Transaction_ID references Transactions.Transaction_ID |
| Bank Account Transactions.Account_ID references Bank Account.Account_ID |
| Payments (Payment ID, Payment Due, Payment Type, Transaction ID (FK)) |
| Payments.Transaction_ID references Transactions.Transaction_ID |
| |
| Bills (Bill_ID, Type, Amount, Due_Date, Client_ID (FK)) |
| Bills.Client_ID references Client.Client_ID |
| |
| Third Party App (App_ID, Name, Description) |
| |
| ThirdPartyAppBills (Bill ID (FK), App_ID (FK), Client_ID (FK)) |
| ThirdPartyAppBills.Bill_ID references Bills.Bill_ID |
| ThirdPartyAppBills.App_ID references Third Party App.App_ID |
| ThirdPartyAppBills.Client_ID references Client.Client_ID |
| Technical Issues (<u>Issue ID</u> , Status, Client ID (FK)) |
| Technical Issues.Client_ID references Client.Client_ID |
| |
| |



| Internal.Transfer_ID references Transfer.Transfer_ID |
|--|
| |
| |
| International (<u>Transfer_ID</u> (FK)) |
| International.Transfer_ID references Transfer.Transfer_ID |
| Beneficiary (Beneficiary ID, Amount Received, Amount Number) |
| |