• **Relational SCHEMA**

Customer_profile(National_ID , Email , Birth_Date , address , first_name , last_name).

Customer_account (mobile_number, Start date, Line-balance , status , account-type, Total points , National_ID) .

→Customer_account.National_ID references Customer_profile.National_ID.

Service_plan (Plan_ID, Description, price, name, Call_minutes, Internet_GB, SMS).

Subscribe(mobile number, plan_ID , Subscription_date , status).

→ Subscribe.mobile_number references Customer_account.mobile-number.
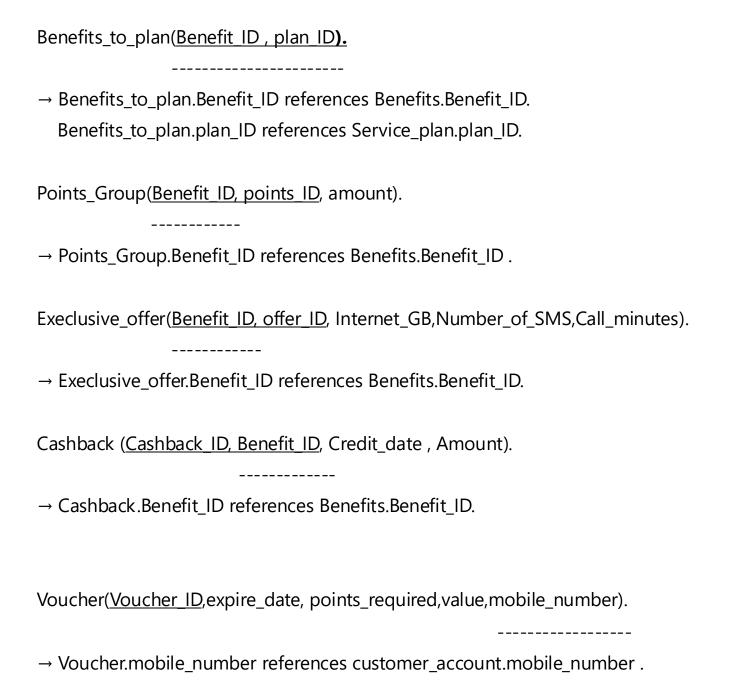
   Subscribe.plan_id references Service_plan.plan_ID.

Plan_usage (Usage_ID, Start_date, end_date, data_consumption, min_used, SMS_sent,

Mobile_number, plan_ID).

→Plan_usage.mobile_number references Customer_account.mobile_number.

   Plan_usage.plan_id references Service_plan.plan_ID.

Payment (Payment ID, status, transaction_amount, date_of _payment, method, mobile_number, Plan_ID).

→ Payment.mobile_number references Customer_account.mobile_number.

   Payment.plan_id references Service_plan.plan_ID.

Wallet (Wallet_ID, Current_balance, Currency, last_modified_date, mobile_number).

→ Wallet.mobile_number references Customer_account.mobile_number.

Transfer_money (Wallet_ID, Amount_Sent, Date).

→ Transfer_money.Wallet_ID references Wallet.Wallet_ID .

Benefits(Benefit_ID. , Description , status , validity_date , mobile_number).

→Benefits.mobile_number references Customer_account.mobile_number.

Benefits_to_plan(Benefit_ID , plan_ID).

→ Benefits_to_plan.Benefit_ID references Benefits.Benefit_ID.
   Benefits_to_plan.plan_ID references Service_plan.plan_ID.

Points_Group(Benefit_ID, points_ID, amount).

→ Points_Group.Benefit_ID references Benefits.Benefit_ID .

Execlusive_offer(Benefit_ID, offer_ID, Internet_GB,Number_of_SMS,Call_minutes).

→ Execlusive_offer.Benefit_ID references Benefits.Benefit_ID.

Cashback (Cashback_ID, Benefit_ID, Credit_date , Amount).

→ Cashback.Benefit_ID references Benefits.Benefit_ID.

Voucher(Voucher_ID,expire_date, points_required,value,mobile_number).

→ Voucher.mobile_number references customer_account.mobile_number .

Shop(Shop_ID, name).

Redeem (Voucher_ID,Shop_ID).

→ Redeem.Voucher_ID references Voucher.Voucher_ID .

   Redeem.Shop_ID references Shop.Shop_ID .

Physics_shop (Shop_ID, Address, Working_hours).

→ Phyics_shop.Shop_ID references Shop.Shop_ID .

E-Shop (Shop-ID, Website_URL, Rating).

→ E-Shop.shop_ID references Shop.Shop_ID .

Technical_support_ticket (Ticket_ID, Issue_description , status, Priority_level , mobile_number).

→ Technical_support_ticket.mobile_number references customer_account.mobile_number.