**RELATIONAL SCHEMA**

**user\_details**(

id int primary key,

name varchar(50),

age int

address varchar(100),

gender char ,

user\_since date,

city varchar(50)

);

**user**(

id int references user\_details(id),

mobile bigint,

type char(20)

);

**prepaid\_account**(

mobile bigint primary key,

balance int,

account\_since date,

plan\_id int references plan\_details(id),

calls int,

msgs int,

data int

);

**postpaid\_account**(

mobile bigint primary key,

account\_since date,

plan\_id int references plan\_details(id),

calls int, msgs int,data int

);

**plan\_details**(

pid int primary key,

calls int, msgs int,data int,

type char(20),

price int

);

**recharges**(

mobile bigint primary key references user(mobile),

date date,

amount int

);

**bills**(

mobile bigint primary key references user(mobile),

month date,

amount int,

ispaid boolean default false,

payment\_date date

);

**FUNCTIONAL DEPENDENCIES**

**user\_details**

**id** -> name , age , address , gender , user\_since , city

**user**

id ,mobile -> type

**prepaid\_account**

**mobile** -> balance , account\_since , plan\_id , calls , msgs , data

**postpaid\_account**

**mobile** -> account\_since , plan\_id , calls , msgs , data

**plan\_details**

**pid**-> calls , msgs , data , type , price

**recharges**

**mobile**  -> date , amount

**bills**

mobile ->month ,amount, ispaid , payment\_date