Queries Used

**User\_info**

create table user\_info

(user\_id int IDENTITY(1,1) primary key, user\_first\_name varchar(50), user\_last\_name varchar(50),

country\_code varchar(10), mobile\_number varchar(20), created\_time datetime)

**User\_login**

create table user\_login (user\_id int foreign key references user\_info (user\_id),

OTP varchar(5), generated\_time datetime, expired\_time datetime,

CONSTRAINT user\_OTP UNIQUE (user\_id,OTP))

**User\_session**

create table user\_session

(

token varchar(20) primary key,

user\_id int foreign key references user\_info(user\_id),

token\_generated\_time datetime,

token\_expired\_time datetime

CONSTRAINT user\_token UNIQUE (user\_id,token)

)

**Contact**

create table contact

(contact\_id int IDENTITY(1,1) primary key,created\_user\_id int foreign key references user\_info(user\_id), contact\_first\_name varchar(50),

contact\_last\_name varchar(50), contact\_user\_id int foreign key references user\_info(user\_id), created\_time datetime, blocked char

CONSTRAINT user\_contact UNIQUE(created\_user\_id,contact\_user\_id))

select contact\_id, contact\_first\_name, contact\_last\_name, contact\_user\_id, blocked, country\_code, mobile\_number

from contact a join user\_info b on a.contact\_user\_id = b.user\_id

where a.created\_user\_id = '201'

**Chat**

create table chat

(chat\_id int IDENTITY(1,1) primary key,

primary\_user\_id int foreign key references user\_info(user\_id),

secondary\_user\_id int foreign key references user\_info(user\_id),

last\_message\_sent\_time datetime,

last\_message\_content nvarchar(max),

last\_message\_by int foreign key references user\_info(user\_id)

)

alter table chat

add CONSTRAINT chat\_contact UNIQUE(primary\_user\_id,secondary\_user\_id)

**Message History**

create table message\_history

(message\_id int IDENTITY(1,1) primary key,

chat\_id int foreign key references chat(chat\_id),

sender\_user\_id int foreign key references user\_info(user\_id),

receiver\_user\_id int foreign key references user\_info(user\_id),

message\_type varchar(50),

text\_message\_content nvarchar(max),

message\_sent\_time datetime,

message\_delivered\_time datetime,

message\_read\_time datetime,

message\_status varchar(20),

message\_deleted varchar(5))

**media\_message\_info**

create table media\_message\_info

(media\_message\_id int IDENTITY(1,1) primary key,

media\_content varbinary(max),

message\_id int foreign key references message\_history(message\_id))