

## 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))
```