

ERD DIAGRAM

entities

user_profile

youtube_channel

youtube_account

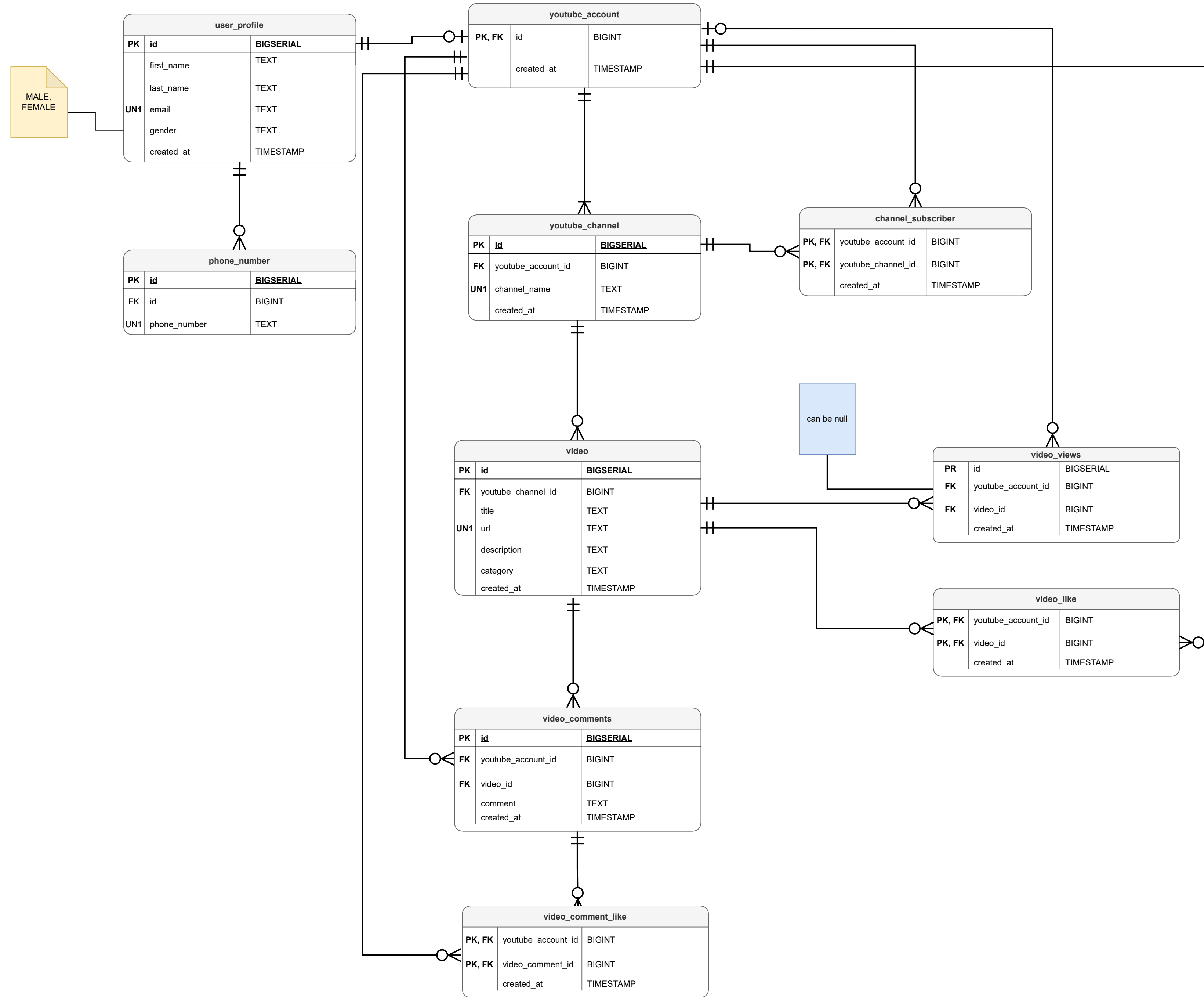
video

subscribers

comments

Likes

phone_number



Tables

```
CREATE TABLE user_profile (  
  id BIGSERIAL PRIMARY KEY ,  
  first_name TEXT NOT NULL,  
  last_name TEXT NOT NULL,  
  email TEXT UNIQUE NOT NULL,  
  gender TEXT CHECK(gender IN ('MALE', 'FEMALE')) NOT NULL,  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL  
);
```

```
CREATE TABLE IF NOT EXISTS youtube_account(  
  id BIGINT PRIMARY KEY REFERENCES user_profile(id),  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL  
);
```

```
CREATE TABLE IF NOT EXISTS youtube_channel(  
  id BIGSERIAL PRIMARY KEY,  
  youtube_account_id BIGINT NOT NULL REFERENCES youtube_account(id),  
  channel_name TEXT NOT NULL UNIQUE,  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL  
);
```

```
CREATE TABLE IF NOT EXISTS channel_subscriber(  
  youtube_account_id BIGINT NOT NULL REFERENCES youtube_account(id),  
  youtube_channel_id BIGINT NOT NULL REFERENCES youtube_channel(id),  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL,  
  PRIMARY KEY(youtube_account_id, youtube_channel_id)  
);
```

```
CREATE TABLE IF NOT EXISTS video (  
  id BIGSERIAL PRIMARY KEY,  
  youtube_channel_id BIGINT NOT NULL REFERENCES youtube_channel(id),  
  title TEXT NOT NULL,  
  url_name TEXT NOT NULL UNIQUE,  
  description TEXT NOT NULL,  
  category TEXT NOT NULL,  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL  
);
```

```
CREATE TABLE IF NOT EXISTS video_view(  
  id BIGSERIAL PRIMARY KEY,  
  youtube_account_id BIGINT REFERENCES youtube_account(id),  
  video_id BIGINT NOT NULL REFERENCES video(id),  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL,  
  PRIMARY KEY(youtube_account_id, video_id)  
);
```

```
CREATE TABLE IF NOT EXISTS video_comment(  
  id BIGSERIAL PRIMARY KEY,  
  youtube_account_id BIGINT NOT NULL REFERENCES youtube_account(id),  
  video_id BIGINT NOT NULL REFERENCES video(id),  
  comment TEXT NOT NULL,  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL  
);
```

```
CREATE TABLE IF NOT EXISTS video_like (  
  youtube_account_id BIGINT NOT NULL REFERENCES youtube_account(id),  
  video_id BIGINT NOT NULL REFERENCES video(id),  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL  
);
```

```
CREATE TABLE IF NOT EXISTS video_comment_like(  
  youtube_account_id BIGINT NOT NULL REFERENCES youtube_account(id),  
  video_comment_id BIGINT NOT NULL REFERENCES video_comment(id),  
  create_at TIMESTAMP WITHOUT TIME ZONE NOT NULL  
);
```

Queries

```
-- users  
INSERT INTO public.user_profile (id, first_name, last_name, email, gender, create_at)  
VALUES (1, 'Marian', 'Ali', 'm.ali@gmail.com', 'FEMALE', '2020-11-24 23:42:47.000000');  
  
INSERT INTO public.user_profile (id, first_name, last_name, email, gender, create_at)  
VALUES (2, 'Joe', 'James', 'j.james@gmail.com', 'MALE', '2020-11-24 23:42:47.000000');  
  
INSERT INTO public.user_profile (id, first_name, last_name, email, gender, create_at)  
VALUES (3, 'Samia', 'Nmed', 'jamia@gmail.com', 'FEMALE', '2020-11-24 23:42:47.000000');  
  
INSERT INTO public.user_profile (id, first_name, last_name, email, gender, create_at)  
VALUES (4, 'Alex', 'Smith', 'alex2000@gmail.com', 'MALE', '2020-11-24 23:42:47.000000');  
  
INSERT INTO public.user_profile (id, first_name, last_name, email, gender, create_at)  
VALUES (6, 'Dixon', 'Vanessa', 'vanessa@gmail.com', 'MALE', '2020-11-24 23:42:47.000000');
```

```
-- accounts  
INSERT INTO public.youtube_account (id, create_at)  
VALUES (1, '2020-11-24 23:44:36.000000');  
  
INSERT INTO public.youtube_account (id, create_at)  
VALUES (2, '2020-11-24 23:00:36.000000');
```

```
INSERT INTO public.youtube_account (id, create_at)  
VALUES (4, '2020-11-24 10:44:36.000000');  
  
INSERT INTO public.youtube_account (id, create_at)  
VALUES (6, '2020-11-24 23:44:36.000000');
```

```
-- youtube channels  
INSERT INTO public.youtube_channel (id, youtube_account_id, channel_name, create_at)  
VALUES (1, 1, 'MariamBeauty', '2020-11-24 23:47:05.385073');  
  
INSERT INTO public.youtube_channel (id, youtube_account_id, channel_name, create_at)  
VALUES (5, 1, 'MariamBeautyHaul', '2020-11-24 23:47:05.385073');  
  
INSERT INTO public.youtube_channel (id, youtube_account_id, channel_name, create_at)  
VALUES (4, 1, 'MariamBeautyTutorials', '2020-11-24 23:47:05.385073');  
  
INSERT INTO public.youtube_channel (id, youtube_account_id, channel_name, create_at)  
VALUES (6, 1, 'cool lady', '2020-11-24 23:47:05.385073');
```

```
INSERT INTO public.youtube_channel (id, youtube_account_id, channel_name, create_at)  
VALUES (2, 2, 'JoeTech', '2020-11-24 23:47:50.904706');  
  
INSERT INTO public.youtube_channel (id, youtube_account_id, channel_name, create_at)  
VALUES (3, 4, 'AlexTutorials', '2020-11-24 23:47:50.904706');
```

```
-- subscribers  
INSERT INTO public.channel_subscriber (youtube_account_id, youtube_channel_id, create_at)  
VALUES (1, 2, '2020-11-25 22:19:41.000000');  
  
INSERT INTO public.channel_subscriber (youtube_account_id, youtube_channel_id, create_at)  
VALUES (1, 3, '2020-11-25 22:19:58.000000');  
  
INSERT INTO public.channel_subscriber (youtube_account_id, youtube_channel_id, create_at)  
VALUES (4, 1, '2020-11-25 22:19:58.000000');  
  
INSERT INTO public.channel_subscriber (youtube_account_id, youtube_channel_id, create_at)  
VALUES (2, 1, '2020-11-25 22:19:58.000000');  
  
INSERT INTO public.channel_subscriber (youtube_account_id, youtube_channel_id, create_at)  
VALUES (6, 1, '2020-11-25 22:19:58.000000');
```

```
-- video  
INSERT INTO public.video (id, youtube_channel_id, title, url_name, description, category, create_at) VALUES (1, 1, 'How to take care of your skin', 'https://youtube.com/9328982', 'You will learn the best way to take care of your skin', 'People & Vlogs', '2020-05-02 22:30:28.000000');  
  
INSERT INTO public.video (id, youtube_channel_id, title, url_name, description, category, create_at) VALUES (2, 6, 'Database Design', 'https://youtube.com/932898233', 'Master db design', 'Education', '2020-12-02 22:41:08.000000');  
  
INSERT INTO public.video (id, youtube_channel_id, title, url_name, description, category, create_at) VALUES (3, 6, 'Advanced Database', 'https://youtube.com/423432', 'Advanced DB Course', 'Education', '2020-12-02 22:41:10.000000');  
  
INSERT INTO public.video (id, youtube_channel_id, title, url_name, description, category, create_at) VALUES (4, 2, 'Macbook Air M1 Unboxing', 'https://youtube.com/423432', 'Unboxing', 'Tech', '2020-12-02 22:41:10.000000');
```

```
-- comments  
INSERT INTO public.video_comment (id, youtube_account_id, video_id, comment, create_at) VALUES (1, 4, 1, 'Nice video', '2020-12-02 22:35:08.000000');  
  
INSERT INTO public.video_comment (id, youtube_account_id, video_id, comment, create_at) VALUES (2, 4, 2, 'I loved it.', '2020-12-02 22:35:08.000000');  
  
INSERT INTO public.video_comment (id, youtube_account_id, video_id, comment, create_at) VALUES (3, 4, 3, 'Keep Going', '2020-12-02 22:35:08.000000');  
  
INSERT INTO public.video_comment (id, youtube_account_id, video_id, comment, create_at) VALUES (4, 1, 1, 'Best course', '2020-12-02 22:35:08.000000');  
  
INSERT INTO public.video_comment (id, youtube_account_id, video_id, comment, create_at) VALUES (5, 1, 1, 'Had to comment again. Best course', '2020-12-02 22:35:08.000000');  
  
INSERT INTO public.video_comment (id, youtube_account_id, video_id, comment, create_at) VALUES (6, 2, 1, 'Good stuff', '2020-12-02 22:35:08.000000');  
  
INSERT INTO public.video_comment (id, youtube_account_id, video_id, comment, create_at) VALUES (7, 2, 3, 'I have a question about joins', '2020-12-02 22:35:08.000000');
```

```
-- likes to comments  
INSERT INTO public.video_comment_like (youtube_account_id, video_comment_id, create_at) VALUES (4, 4, '2020-12-02 22:35:00.000000');  
  
INSERT INTO public.video_comment_like (youtube_account_id, video_comment_id, create_at) VALUES (4, 4, '2020-12-02 22:35:00.000000');  
  
INSERT INTO public.video_comment_like (youtube_account_id, video_comment_id, create_at) VALUES (2, 3, '2020-12-02 22:35:00.000000');  
  
INSERT INTO public.video_comment_like (youtube_account_id, video_comment_id, create_at) VALUES (1, 1, '2020-12-02 22:35:00.000000');  
  
INSERT INTO public.video_comment_like (youtube_account_id, video_comment_id, create_at) VALUES (1, 2, '2020-12-02 22:35:00.000000');
```

```
-- likes to videos  
INSERT INTO public.video_like (youtube_account_id, video_id, create_at) VALUES (4, 1, '2020-12-02 22:35:38.000000');  
  
INSERT INTO public.video_like (youtube_account_id, video_id, create_at) VALUES (4, 2, '2020-12-02 22:35:38.000000');  
  
INSERT INTO public.video_like (youtube_account_id, video_id, create_at) VALUES (4, 2, '2020-12-02 22:35:38.000000');  
  
INSERT INTO public.video_like (youtube_account_id, video_id, create_at) VALUES (2, 2, '2020-12-02 22:35:38.000000');  
  
INSERT INTO public.video_like (youtube_account_id, video_id, create_at) VALUES (2, 3, '2020-12-02 22:35:38.000000');
```

```
-- views  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (1, 4, 1, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (2, 4, 3, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (3, 4, 2, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (4, 4, 1, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (5, 4, 1, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (6, 4, 3, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (7, 4, 1, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (8, null, 1, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (9, null, 1, '2020-12-02 22:36:07.000000');  
  
INSERT INTO public.video_view (id, youtube_account_id, video_id, create_at) VALUES (10, null, 1, '2020-12-02 22:36:07.000000');
```