

1 SQL

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CREATE TABLE users(  
  user_id serial PRIMARY KEY,  
  username varchar(30),  
  facebook varchar(100)  
);  
CREATE TABLE video(  
  video_id serial PRIMARY KEY,  
  video_name varchar(50)  
);  
CREATE TABLE like_activity(  
  user_id integer REFERENCES users(user_id),  
  video_id integer REFERENCES video(video_id),  
  like_time timestamp,  
  PRIMARY KEY (user_id, video_id)  
);  
CREATE TABLE watch_activity(  
  watch_activity_id serial PRIMARY KEY,  
  user_id integer REFERENCES users(user_id),  
  video_id integer REFERENCES video(video_id),  
  watch_time timestamp  
);  
CREATE TABLE video_suggestion(  
  user_id integer REFERENCES users(user_id),  
  videos varchar(255),  
  login_time timestamp  
);  
CREATE TABLE friendship(  
  user1 integer REFERENCES users(user_id),  
  user2 integer REFERENCES users(user_id),  
  PRIMARY KEY(user1, user2)  
);
```