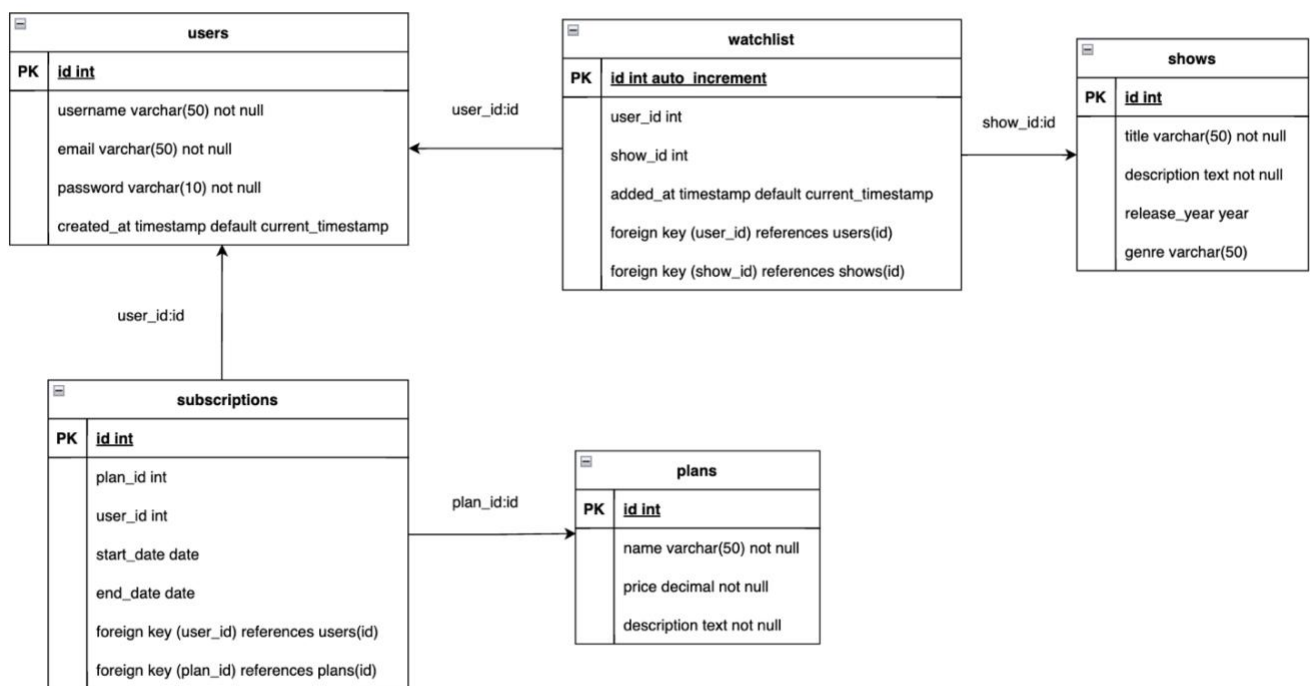# Lab 9

The database schema models a Netflix system. It consists of five tables:
1. users: stores information about Netflix users.
2. subscriptions: records the subscription details of users.
3. plans: contains details about subscription plans.
4. watchlist: stores the watchlist of users.
5. Shows: Stores information about shows.

users

PK	id int
	username varchar(50) not null
	email varchar(50) not null
	password varchar(10) not null
	created_at timestamp default current_timestamp

user_id:id

watchlist

PK	id int auto_increment
	user_id int
	show_id int
	added_at timestamp default current_timestamp
	foreign key (user_id) references users(id)
	foreign key (show_id) references shows(id)

show_id:id

shows

PK	id int
	title varchar(50) not null
	description text not null
	release_year year
	genre varchar(50)

user_id:id

subscriptions

PK	id int
	plan_id int
	user_id int
	start_date date
	end_date date
	foreign key (user_id) references users(id)
	foreign key (plan_id) references plans(id)

plan_id:id

plans

PK	id int
	name varchar(50) not null
	price decimal not null
	description text not null

```sql
create database netflix;

create table users (
    id int primary key,
    username varchar(50) not null,
    email varchar(50) not null,
    password varchar(10) not null,
    created_at timestamp default current_timestamp
);

create table plans (
    id int primary key,
    name varchar(50) not null,
    price decimal not null,
    description text not null
);

create table subscriptions (
    id int primary key,
    plan_id int,
    user_id int,
    start_date date,
    end_date date,
    foreign key (user_id) references users(id),
    foreign key (plan_id) references plans(id)
);

create table shows (
    id int primary key,
    title varchar(50) not null,
    description text not null,
    release_year year,
    genre varchar(50)
);

create table watchlist (
    id int primary key auto_increment,
    user_id int,
    show_id int,
    added_at timestamp default current_timestamp,
    foreign key (user_id) references users(id),
    foreign key (show_id) references shows(id)
);
```