genre

Address

Cinema

numtheaters

language

duration releasedate

country

The same email cannot be used in multiple accounts

The same phone number can be used to register multiple accounts

A user can make multiple (or no) bookings

A booking can be made by one and only one userSome booking may not have a payment

A payment must belong to exactly one booking.

Multiple cinemas in one city may have the same name

description

email phone

lastname

title

password

firstname User Movie

movieid

ShowBooking

Booking

numseats

SeatingBooking

cinemaname

A movie can be played in multiple shows

Some movies may not be played in any show

A city can have multiple zip codes

A city can have multiple cinemas

A city can have no cinemas

UserBooking

status state

ShowMovie

showend

One and only one movie can be played in a show

A show can be booked by multiple users Some shows are never booked

city

Cities

CinemaAddress ShowSeating

PaymentBooking bookingid

A cinema has one or more theaters

Seating

Payment

amount

paydate paytime

booktime

zip

States

Each show needs a separate booking showstart

Show

A booking must have at least one seat showdate

booked for a show

bookdate

Total participation

A show must have at least one seat

Multiple cinemas in one city may have the same name (cinemas in the same company, likeAMC)

A show can be played in multiple or no theaters

showid

theaterid

Price

ShowTheater

A theater must exist in exactly

A theater can have multiple or no shows one

CinemaTheater

cinema

Theater

TheaterSeating

A theater has one or more seats

seatid

A unique seat in the whole cinema

The cinema theater where the seat locates

cinemaid

theatername totalseats

seatnum

Multiple theaters can have seats with the same seat number

method

type

transid