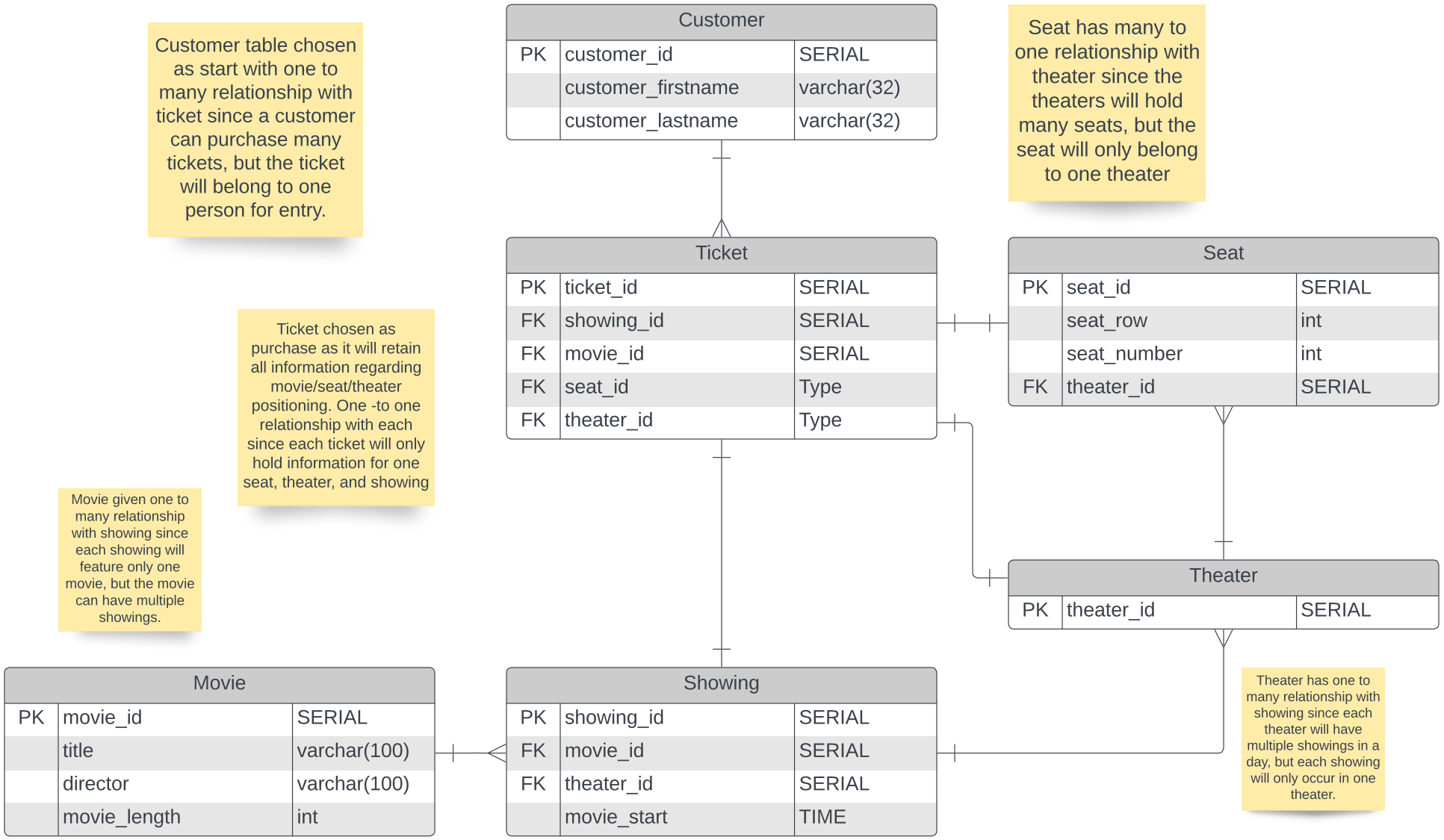
Customer table chosen as start with one to many relationship with ticket since a customer can purchase many tickets, but the ticket will belong to one person for entry.
Customer
PK customer_id SERIAL
customer_firstname varchar(32)
customer_lastname varchar(32)
Seat has many to one relationship with theater since the theaters will hold many seats, but the seat will only belong to one theater
Ticket
PK ticket_id SERIAL
FK showing_id SERIAL
FK movie_id SERIAL
FK seat_id Type
FK theater_id Type
Seat
PK seat_id SERIAL
seat_row int
seat_number int
FK theater_id SERIAL
Ticket chosen as purchase as it will retain all information regarding movie/seat/theater positioning. One -to one relationship with each since each ticket will only hold information for one seat, theater, and showing
Movie given one to many relationship with showing since each showing will feature only one movie, but the movie can have multiple showings.
Theater
PK theater_id SERIAL
Movie
PK movie_id SERIAL
title varchar(100)
director varchar(100)
movie_length int
Showing
PK showing_id SERIAL
FK movie_id SERIAL
FK theater_id SERIAL
movie_start TIME
Theater has one to many relationship with showing since each theater will have multiple showings in a day, but each showing will only occur in one theater.