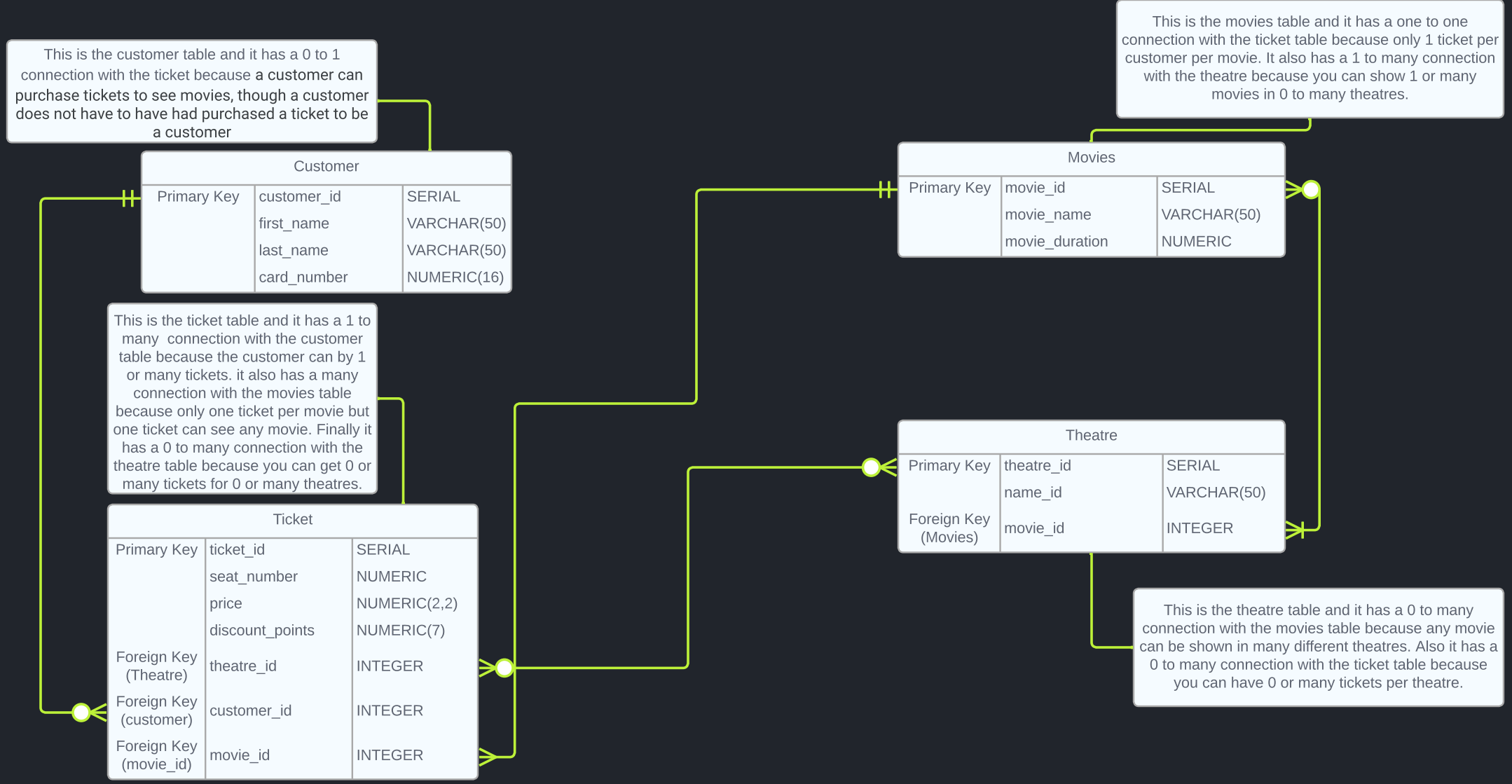
This is the customer table and it has a 0 to 1 connection with the ticket because a customer can purchase tickets to see movies, though a customer does not have to have had purchased a ticket to be a customer
This is the movies table and it has a one to one connection with the ticket table because only 1 ticket per customer per movie. It also has a 1 to many connection with the theatre because you can show 1 or many movies in 0 to many theatres.
Customer
Primary Key
customer_id
SERIAL
first_name
VARCHAR(50)
last_name
VARCHAR(50)
card_number
NUMERIC(16)
Movies
Primary Key
movie_id
SERIAL
movie_name
VARCHAR(50)
movie_duration
NUMERIC
This is the ticket table and it has a 1 to many connection with the customer table because the customer can by 1 or many tickets. it also has a many connection with the movies table because only one ticket per movie but one ticket can see any movie. Finally it has a 0 to many connection with the theatre table because you can get 0 or many tickets for 0 or many theatres.
Theatre
Primary Key
theatre_id
SERIAL
name_id
VARCHAR(50)
Foreign Key (Movies)
movie_id
INTEGER
Ticket
Primary Key
ticket_id
SERIAL
seat_number
NUMERIC
price
NUMERIC(2,2)
discount_points
NUMERIC(7)
Foreign Key (Theatre)
theatre_id
INTEGER
Foreign Key (customer)
customer_id
INTEGER
Foreign Key (movie_id)
movie_id
INTEGER
This is the theatre table and it has a 0 to many connection with the movies table because any movie can be shown in many different theatres. Also it has a 0 to many connection with the ticket table because you can have 0 or many tickets per theatre.