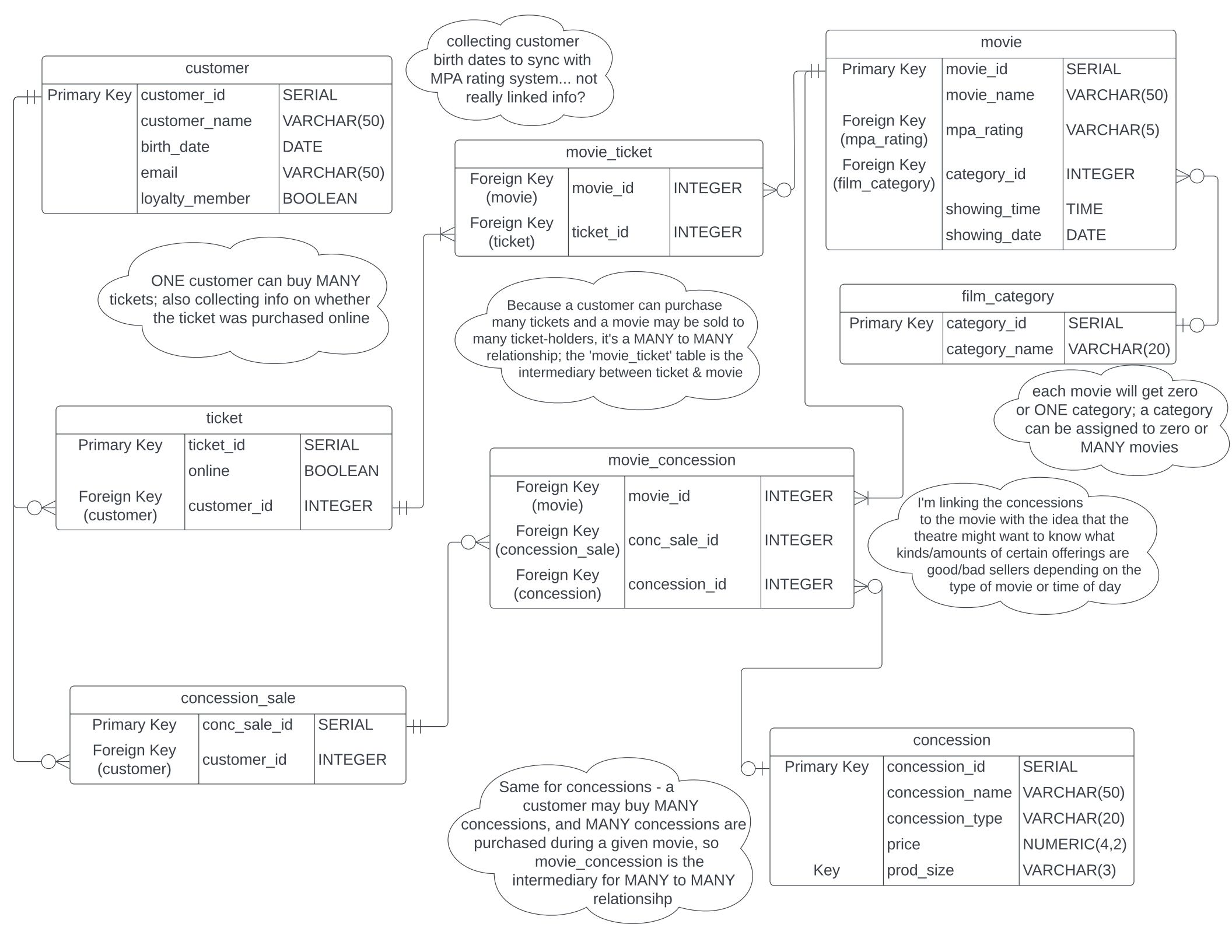
customer
Primary Key
customer_id
SERIAL
customer_name
VARCHAR(50)
birth_date
DATE
email
VARCHAR(50)
loyalty_member
BOOLEAN
collecting customer birth dates to sync with MPA rating system... not really linked info?
movie
Primary Key
movie_id
SERIAL
movie_name
VARCHAR(50)
Foreign Key (mpa_rating)
mpa_rating
VARCHAR(5)
Foreign Key (film_category)
category_id
INTEGER
showing_time
TIME
showing_date
DATE
movie_ticket
Foreign Key (movie)
movie_id
INTEGER
Foreign Key (ticket)
ticket_id
INTEGER
ONE customer can buy MANY tickets; also collecting info on whether the ticket was purchased online
Because a customer can purchase many tickets and a movie may be sold to many ticket-holders, it's a MANY to MANY relationship; the 'movie_ticket' table is the intermediary between ticket & movie
film_category
Primary Key
category_id
SERIAL
category_name
VARCHAR(20)
each movie will get zero or ONE category; a category can be assigned to zero or MANY movies
ticket
Primary Key
ticket_id
SERIAL
online
BOOLEAN
Foreign Key (customer)
customer_id
INTEGER
movie_concession
Foreign Key (movie)
movie_id
INTEGER
Foreign Key (concession_sale)
conc_sale_id
INTEGER
Foreign Key (concession)
concession_id
INTEGER
I'm linking the concessions to the movie with the idea that the theatre might want to know what kinds/amounts of certain offerings are good/bad sellers depending on the type of movie or time of day
concession_sale
Primary Key
conc_sale_id
SERIAL
Foreign Key (customer)
customer_id
INTEGER
concession
Primary Key
concession_id
SERIAL
concession_name
VARCHAR(50)
concession_type
VARCHAR(20)
price
NUMERIC(4,2)
Key
prod_size
VARCHAR(3)
Same for concessions - a customer may buy MANY concessions, and MANY concessions are purchased during a given movie, so movie_concession is the intermediary for MANY to MANY relationsihp