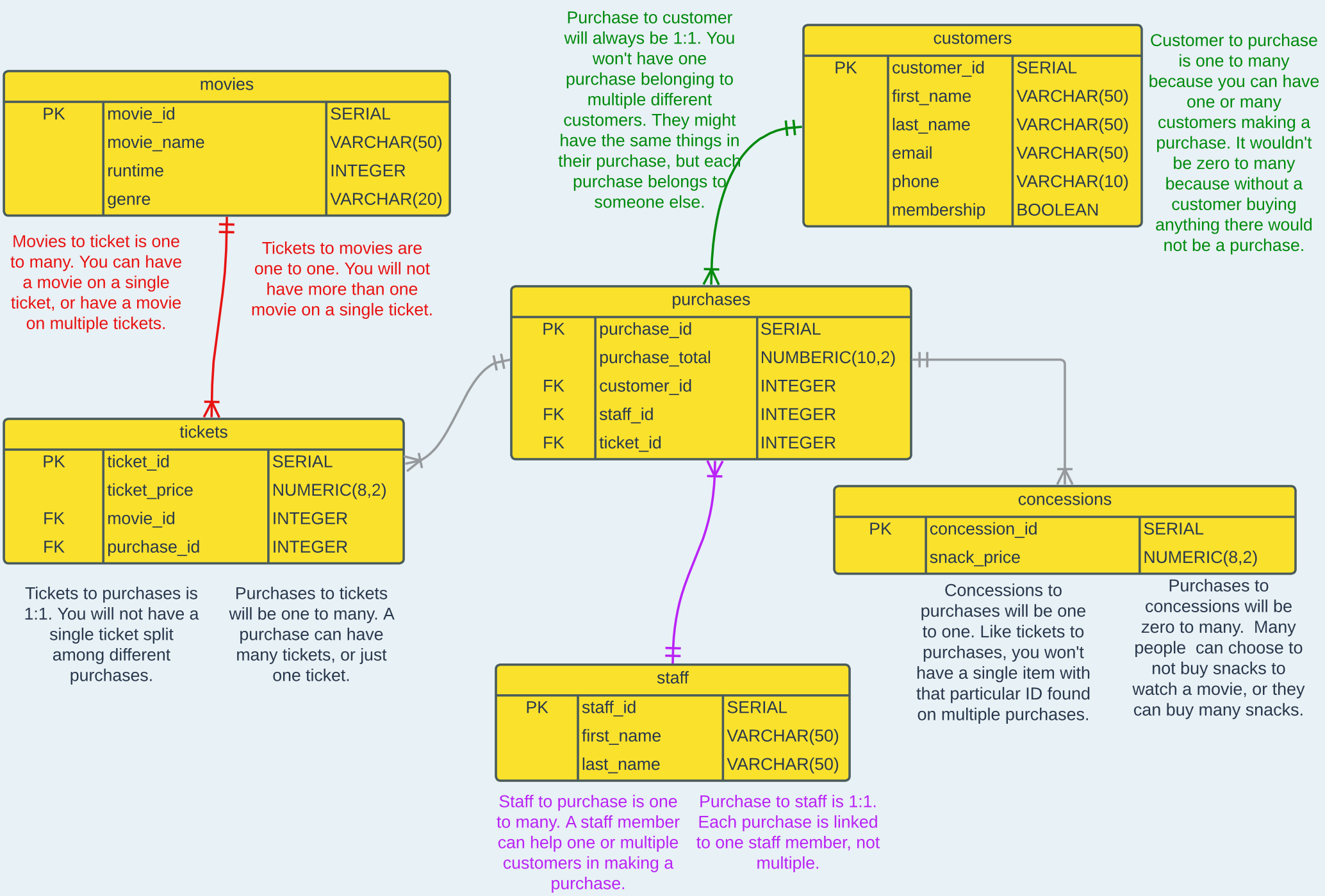
movies
PK
movie_id
SERIAL
movie_name
VARCHAR(50)
runtime
INTEGER
genre
VARCHAR(20)
Movies to ticket is one to many. You can have a movie on a single ticket, or have a movie on multiple tickets.
Tickets to movies are one to one. You will not have more than one movie on a single ticket.
tickets
PK
ticket_id
SERIAL
ticket_price
NUMERIC(8,2)
FK
movie_id
INTEGER
FK
purchase_id
INTEGER
Tickets to purchases is 1:1. You will not have a single ticket split among different purchases.
Purchases to tickets will be one to many. A purchase can have many tickets, or just one ticket.
Purchase to customer will always be 1:1. You won't have one purchase belonging to multiple different customers. They might have the same things in their purchase, but each purchase belongs to someone else.
customers
PK
customer_id
SERIAL
first_name
VARCHAR(50)
last_name
VARCHAR(50)
email
VARCHAR(50)
phone
VARCHAR(10)
membership
BOOLEAN
Customer to purchase is one to many because you can have one or many customers making a purchase. It wouldn't be zero to many because without a customer buying anything there would not be a purchase.
purchases
PK
purchase_id
SERIAL
purchase_total
NUMBERIC(10,2)
FK
customer_id
INTEGER
FK
staff_id
INTEGER
FK
ticket_id
INTEGER
staff
PK
staff_id
SERIAL
first_name
VARCHAR(50)
last_name
VARCHAR(50)
Staff to purchase is one to many. A staff member can help one or multiple customers in making a purchase.
Purchase to staff is 1:1. Each purchase is linked to one staff member, not multiple.
concessions
PK
concession_id
SERIAL
snack_price
NUMERIC(8,2)
Concessions to purchases will be one to one. Like tickets to purchases, you won't have a single item with that particular ID found on multiple purchases.
Purchases to concessions will be zero to many. Many people can choose to not buy snacks to watch a movie, or they can buy many snacks.