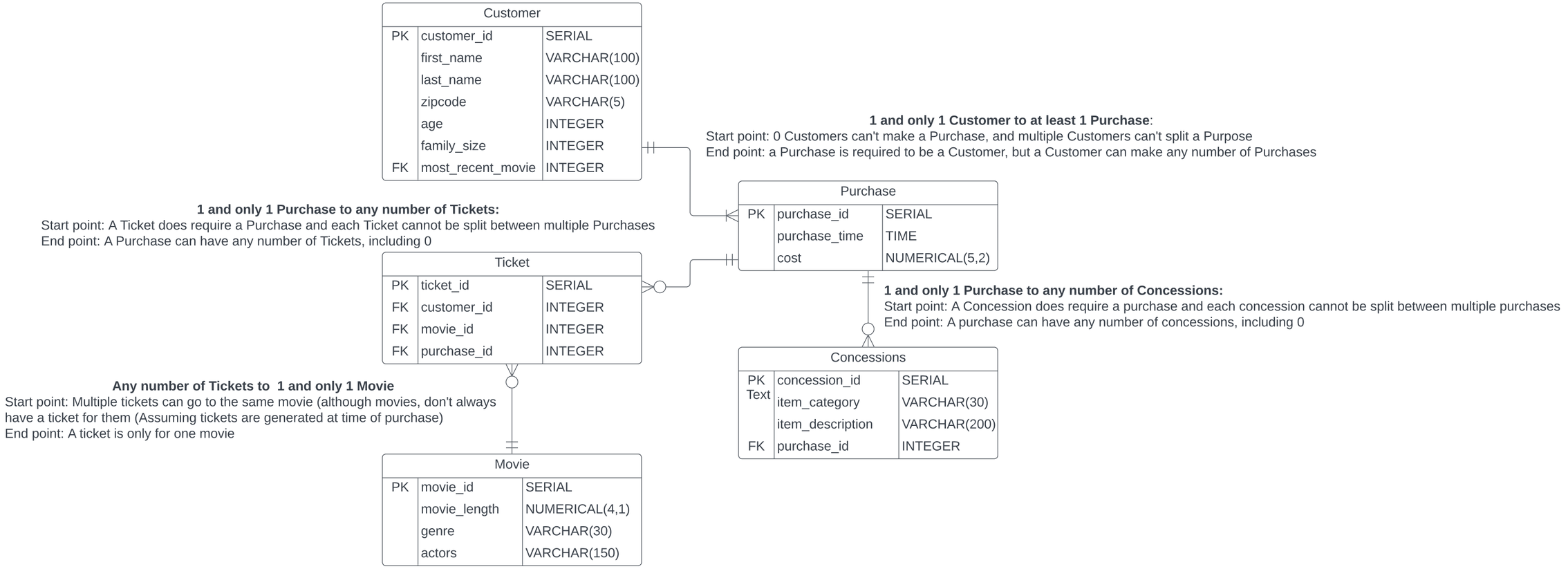
Customer
PK customer_id SERIAL
first_name VARCHAR(100)
last_name VARCHAR(100)
zipcode VARCHAR(5)
age INTEGER
family_size INTEGER
FK most_recent_movie INTEGER
1 and only 1 Customer to at least 1 Purchase:
Start point: 0 Customers can't make a Purchase, and multiple Customers can't split a Purpose
End point: a Purchase is required to be a Customer, but a Customer can make any number of Purchases
Purchase
PK purchase_id SERIAL
purchase_time TIME
cost NUMERICAL(5,2)
1 and only 1 Purchase to any number of Tickets:
Start point: A Ticket does require a Purchase and each Ticket cannot be split between multiple Purchases
End point: A Purchase can have any number of Tickets, including 0
Ticket
PK ticket_id SERIAL
FK customer_id INTEGER
FK movie_id INTEGER
FK purchase_id INTEGER
1 and only 1 Purchase to any number of Concessions:
Start point: A Concession does require a purchase and each concession cannot be split between multiple purchases
End point: A purchase can have any number of concessions, including 0
Concessions
PK concession_id SERIAL
Text item_category VARCHAR(30)
item_description VARCHAR(200)
FK purchase_id INTEGER
Any number of Tickets to 1 and only 1 Movie
Start point: Multiple tickets can go to the same movie (although movies, don't always have a ticket for them (Assuming tickets are generated at time of purchase)
End point: A ticket is only for one movie
Movie
PK movie_id SERIAL
movie_length NUMERICAL(4,1)
genre VARCHAR(30)
actors VARCHAR(150)