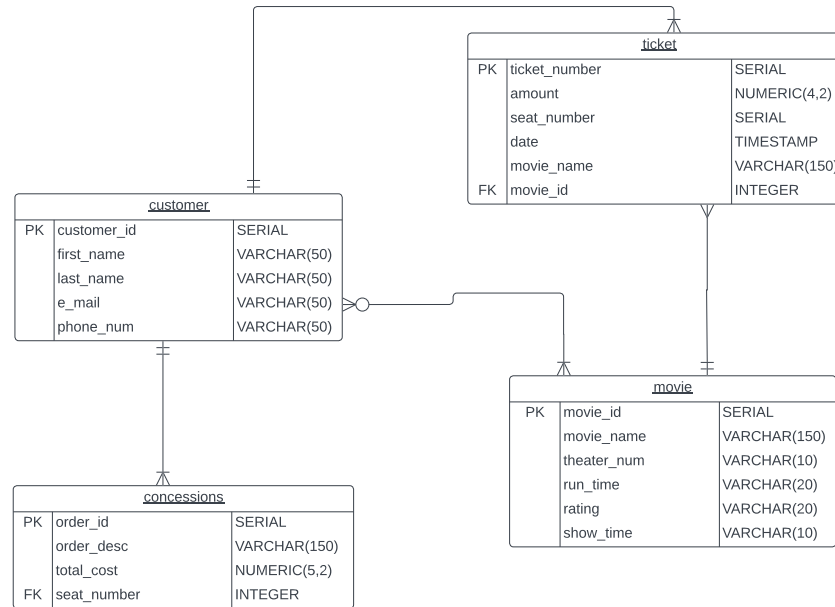


## Movie Theater ERD



## Relationship Explanations

**Customer-Ticket:** This relationship provides the customer with the ability to purchase one or many tickets, where a ticket will belong to one and only one person. Giving the customer the option to purchase one or many tickets will increase revenue if the customer decides to select multiple movies at different show times. Tickets are non-transferable and cannot be used by more than one person, which is why the relationship reflects a ticket can belong to one and only one person.

**Customer-Concession:** This relationship provides the customer with the ability to order one or many concession, where a concessions order will belong to one and only one customer. Considering this is a Cinema Café, customers will be allowed to submit multiple concession orders via electronic device. Orders will be seat specific, which is why a concession order is limited to one customer.

**Customer-Movie:** This relationship provides the customer with one or many different movie options. Movies may have zero or many customers viewing during a show time. This number will be contingent upon ticket sales. Because customers have the ability to purchase multiple tickets, customers may have multiple movies associated with their customer ID..

**Movie-Ticket:** This relationship allow a movie to be linked to multiple tickets, however each ticket is associated with one and only one movie. Making the relationship to reflect one ticket per movie alleviates the issue of customers reusing tickets for different movies. Because multiple customers will be purchasing tickets, a movie can be linked to multiple tickets numbers, which is why the relationship reflects many.