



### CARDINALITY

- **movie\_id to showtimes** = *one to many* because one movie\_id can have multiple showings
- **movie\_id to ticket** = *only one to only one* because only one ticket grants you to only one movie
- **show\_id to ticket** = *only one to only one* because only one ticket grants you to only one showing
- **customer\_id to ticket** = *one to many* because one customer can buy multiple tickets
- **customer\_id to order\_** = *one to many* because one customer can have multiple orders
- **ticket\_id to order\_** = *one to zero or many* because an order may not have a ticket\_id associated with it because another person bought that customer's ticket for them, or it may have multiple tickets on it because of the same reasoning that the customer bought it for other people
- **item\_id to order\_** = *one to zero or many* because a customer may have bought a ticket, but not bought any food/drink items, or the customer bought many items from the concession stand