Online Customer
- Online cart: <mark>one to one</mark>
  - (the customer can only ever have a single online cart at a time. Following the completion of their purchase that instance is closed and a new one will open once they reinitialize the cart by beginning a new transaction sequence (e.g., adding items).

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- Ticket: <mark>one to many</mark>
  - A single ticket can only ever be purchased by a single customer. However, a customer may buy multiple tickets, which events could span different days, different films, or different locations.

Tickets
- Customer: <mark>one to one</mark>
  - the customer can only ever have a single online cart at a time. Following the completion of their purchase that instance is closed and a new one will open once they reinitialize the cart by beginning a new transaction sequence (e.g., adding items).

- Movie: <mark>one to many</mark>
  - the instance of a ticket can only ever be linked to a specific movie at a specific location and time. However, multiple tickets can be linked to the same movie as there are multiple seats in a theater where a film will be shown.

- Location: <mark>one to many</mark>
  - the instance of a ticket is only ever tied to the specific theater which was indicated at purchasing. However, many tickets may be linked to a particular theater as the theater has multiple offerings with multiple seating options for each individual showing.

- Showing: <mark>one to many</mark>
  - the instance of a ticket is liked to a specific showing as indicted by the customer at purchasing. However, in similar fashion to the previous statements, multiple tickets may be issued for any given showing.

Online Order

- Online cart: <mark>one to one</mark>
  - As the order is the fulfilment of the cart, only a single cart can result in an order and a specific order can only take one cart. Each instance is unique.

In Person Orders

- Location: <mark>one to many</mark>
  - the instance of a ticket is only ever tied to the specific theater which was indicated at purchasing. However, many tickets may be linked to a particular theater as the theater has multiple offerings with multiple seating options for each individual showing.

- Ticket: <mark>one to many</mark>
  - A single ticket can only ever be purchased by a single customer. However, a customer may buy multiple tickets, which events could span different days, different films, or different locations.

Movies

- showing: <mark>many to many</mark>
  - Many movies can occur during a single showing occurrence (e.g., matinee, evening, etc.) and, likewise, a single movie may be shown multiple times throughout the day.

- ticket: <mark>one to many</mark>
  - the instance of a ticket is liked to a specific showing of a film as indicted by the customer at purchasing. However, in similar fashion to the previous statements, multiple tickets may be issued for any given film showing.

Showings

- ticket: <mark>one to many</mark>
  - the instance of a ticket is liked to a specific showing as indicted by the customer at purchasing. However, in similar fashion to the previous statements, multiple tickets may be issued for any given showing.

- Movie: <mark>many to many</mark>
  - Many movies can occur during a single showing occurrence (e.g., matinee, evening, etc.) and, likewise, a single movie may be shown multiple times throughout the day.

Film Offerings

- location: <mark>many to many</mark>
  - Many films may be offered at any given location and any film may be offered and many different locations simultaneously.

- Movie: <mark>one to many</mark>
  - Each unique film offering is linked with a specific movie. However, a movie can have several offerings across different locations.

Theater Location

- manager: <mark>one to one</mark>
  - Each theater has a unique manager assigned to it and that manager is responsible for that one theater.

Manager List

- Theater location: <mark>one to one</mark>
  - Each theater has a unique manager assigned to it and that manager is responsible for that one theater.

Employee List

- location: <mark>one to one</mark>
  - Each employee is hired by a specific theater and will work at that one location. An employee cannot (here) work at more than one location because they were hired by a specific theater.

Concessions