

Movie Theater ERD

Dominick Campanile | October 6, 2021

Customers to tickets:
one and only one to
one or many
relationship because
one customer can
purchase one or many
tickets

Concessions to Movies:
one and only one to one
and only one relationship
because the customer is
either OVER 65 and gets
the senior_discount or isn't

Movies to Customers:
Many to one and one only
relationship because a customer is
only one age but some movies
require you to be 13 and some
movies require you to be 18

Movies to tickets:
one and one only to
one or many
relationship because
only one theater
number or movie title
can be printed on one
or multiple tickets

customers		
PK	cust_id	SERIAL
	first_name	VARCHAR(50)
	last_name	VARCHAR(50)
	age	VARCHAR(8)
	date_created	DATE

concessions		
PK	concession_id	SERIAL
	name	VARCHAR(50)
	price	DECIMAL(4, 2)
	description	VARCHAR(250)
FK(customers)	senior_discount	VARCHAR(8)

tickets		
PK	ticket_id	SERIAL
FK(customers)	customer_id	INTEGER
	date_created	DATE
FK(movies)	movie_title	VARCHAR(250)
FK(movies)	theater_num	INTEGER

movies		
PK	movie_id	SERIAL
	movie_title	VARCHAR(250)
	rating	VARCHAR(10)
FK(customers)	age_to_admit	VARCHAR(8)
	run_time	VARCHAR(10)
	theater_num	INTEGER