

# Movie Theater Database

movies is connected to many tickets to see if the movie title is showing (or released)

movies		
PK	movie_id	SERIAL
key	title	VARCHAR
Key	genre	VARCHAR
Key	release_date	VARCHAR
Key	age_rating	VARCHAR

tickets			
PK	ticket_id	SERIAL	
FK	customer_id	SERIAL	
FK	movie_id	SERIAL	
Key	seat_number	VARCHAR	
Key	price	DECIMAL(10,2)	
Key	show_time	TIMESTAMP	
FK	staff_id	SERIAL	
Key	theater_number	INTEGER	
Key	show_date	DATE	

customers		
PK	customer_id	SERIAL
key	first_name	VARCHAR
Key	email_address	VARCHAR
Key	customer_age	INTEGER

one ticket is connected to one movie and customer. 1:1 relationship.

customers can purchase many tickets and concessions

staff members are associated with many tickets and concessions (selling tickets and serving at the concessions)

staff		
PK	staff_id	SERIAL
Key	first_name	VARCHAR
Key	last_name	VARCHAR
Key	role	VARCHAR

concessions		
PK	concession_id	SERIAL
FK	staff_id	SERIAL
FK	customer_id	SERIAL
FK	item_id	SERIAL
Key	total_cost	DECIMAL(10,2)
Key	tax	VARCHAR

concessions is connected to customers, staff, and concession\_items. 1:1 concession: customer, 1:1 concessions:staff, and 1:many concession:concession\_items

concession\_items is connected to concessions only. one concession\_item to many concessions.

concession_items		
PK	item_id	SERIAL
FK	concession_id	SERIAL
Key	item_name	VARCHAR
Key	item_cost	DECIMAL(10,2)
Key	item_type	VARCHAR