

Zero or one customers per ticket,.
One or many tickets for one customer.

THis relationship came naturally as
there are tickets either bought or not
bought and customers may purchase at
least one ticket to be a customer and
they may purchase as many as they
would like.

Concessions		
PK	concession_id	Serial
FK	customer_id	INTEGER
	item_name	VARCHAR(100)
	price	NUMERIC(10, 2)
	purchase_date	TIMESTAMP

Concessions may have none or one Customer
A Customer may have none or many Concessions.

I decided to have the relationship this way because
the Movie Theater could still show concessions in
their database that hasnt been assigned to a
customer. Naturally a customer is not forced to buy
Concessions and can purchase as many as they
would like.

Customer		
PK	customer_id	Serial
	first_name	VARCHAR(50)
	last_name	VARCHAR(50)
	email	VARCHAR(100)
	phone_number	VARCHAR(100)
	address	VARCHAR(100)

Movies		
PK	movie_id	Serial
	title	VARCHAR(100)
	genre	VARCHAR(50)
	release_date	DATE
	duration_minutes	INTEGER
	director	VARCHAR(100)
	rating	VARCHAR(10)

A Movie will have many Tickets
Tickets can only have one Movie.

I decided to do this because in a Movie Theater
a movie will have many tickets naturally but
obviously a ticket is inteded for only one movie.

Tickets		
PK	ticket_id	Serial
FK	customer_id	INTEGER
FK	movie_id	INTEGER
	ticket_type	VARCHAR(50)
	price	NUMERIC(10, 2)
	seat_number	VARCHAR(10)
	purchase_date	TIMESTAMP