Cinima
Entity Relationship Diagram

Each ticket can only have
one theatre but each theatre
can have 0 or many tickets

Tickets		
Primary Key	ticket_id	INT
Foreign Key	customer_id	INT
	ticket_price	Numeral
Foreign Key	movie_id	INT
Foreign Key	theater_id	INT
Foreign Key	cid	INT

Each ticket can only
reference one customer but
a customer may have
multiple tickets

Customer		
Primary Key	customer_id	SERIAL
	first_name	VARCHAR(20)
	last_name	VARCHAR(25)
	Loyalty Member	Boolean
Foreign Key	ticket_id	INT

Cinama can be related to multiple tickets but each ticket
can only be related to one cinima

Staff		
Primary key	staff_id	SERIAL
Foreign Key	cid	INT
	name	VARCHAR(55)

NOT INCLUDING IN
DATABASE DUE TO TIME
CONSTRAINTS

Staff is required to have a cid
and should only match one
cid

Cinima		
Primary Key	cid	SERIAL
	address	VARCHAR
Foreign Key	theatre_id	INT
Foreign Key	movie_id	INT

Theatre		
Primary Key	theatre_id	SERIAL
	capacity	INT
Foreign Key	movie_id	INT
Foreign Key	cid	INT

Movies		
Primary Key	move_id	SERIAL
	movie_name	VARCHAR((55)
Foreign Key	cid	INT
Foreign Key	theatre_id	INT

Each cinima can reference
multiple movies and each movie
could be played in multiple
cinimas. Also possible for a
movie to play in no cinimas

Each movie could be played in
multiple theatres but each theatre
should only play one movie. Each
theatre may not always be in use
and as such may not have a
related movie_id

Each movie can have many
tickets but each ticket can
only have one movie