

CUSTOMERS TO CONCESSIONS RELATIONSHIP:
ONE TO MANY/NONE
EACH CUSTOMER CAN BUY MULTIPLE OR NO CONCESSIONS

CUSTOMERS TO TICKETS RELATIONSHIP:
ONE TO MANY
EACH CUSTOMER CAN BUY MULTIPLE TICKETS AT A TIME AS WELL AS OVER TIME

TICKETS TO MOVIES RELATIONSHIP:
MANY/NONE TO ONE
MANY OR NO TICKETS CAN BE ASSOCIATED TO EACH MOVIE

CUSTOMERS		
PK	CUSTOMER ID	SERIAL
	CUSTOMER NAME	VARCHAR(100)
	EMAIL	VARCHAR(100)
	MEMBERSHIP LEVEL	VARCHAR(150)

TICKETS		
PK	TICKET_ID	SERIAL
FK	CUSTOMER ID	INTEGER
FK	MOVIE ID	INTEGER
	MOVIE TITLE	VARCHAR (150)
	TIME	TIME
	PRICE	NUMERIC(5,2)
	TICKET TYPE	VARCHAR (15)

MOVIES		
PK	MOVIE ID	SERIAL
	MOVIE TITLE	VARCHAR
	RATING	VARCHAR
	GENRE	VARCHAR

CONCESSION PRODUCTS		
PK	PRODUCT ID	SERIAL
	SIZE	VARCHAR(100)
	PRICE	NUMERIC(4,2)

CONCESSION STAND		
PK	PRODUCT ID	SERIAL
	PRODUCT NAME	VARCHAR
	PRICE	NUMERIC (5,2)
FK	EMPLOYEE ID	INTEGER
FK	CUSTOMER ID	INTEGER

EMPLOYEES		
PK	EMPLOYEE ID	SERIAL
	EMPLOYEE NAME	VARCHAR(100)
	JOB TITLE	VARCHAR(100)

THEATER		
PK	THEATER ID	SERIAL
FK	MOVIE ID	INTEGER
	AVAILABLE SEATS	INTEGER
	PURCHASED SEATS	INTEGER
	MOVIE START TIME	TIME
FK	EMPLOYEE ID	INTEGER

CONCESSION PRODUCTS TO CONCESSION STAND: **ONE TO MANY/NONE**
EACH PRODUCT CAN BE PURCHASED MULTIPLE TIMES OR NO TIMES BY DIFFERENT CUSTOMERS OR EMPLOYEES

EMPLOYEES TO CONCESSION RELATIONSHIP: **ONE TO MANY**
EACH EMPLOYEE CAN BE ASSIGNED TO CONCESSION STAND

EMPLOYEES TO THEATER RELATIONSHIP: **ONE TO MANY**
EACH EMPLOYEE CAN BE ASSIGNED TO A DIFFERENT THEATER

MOVIES TO THEATER RELATIONSHIP:
ONE TO MANY
EACH MOVIE CAN BE DISPLAYED IN MULTIPLE DIFFERENT THEATERS