



ASSIGNMENT 2

CIS 310-01

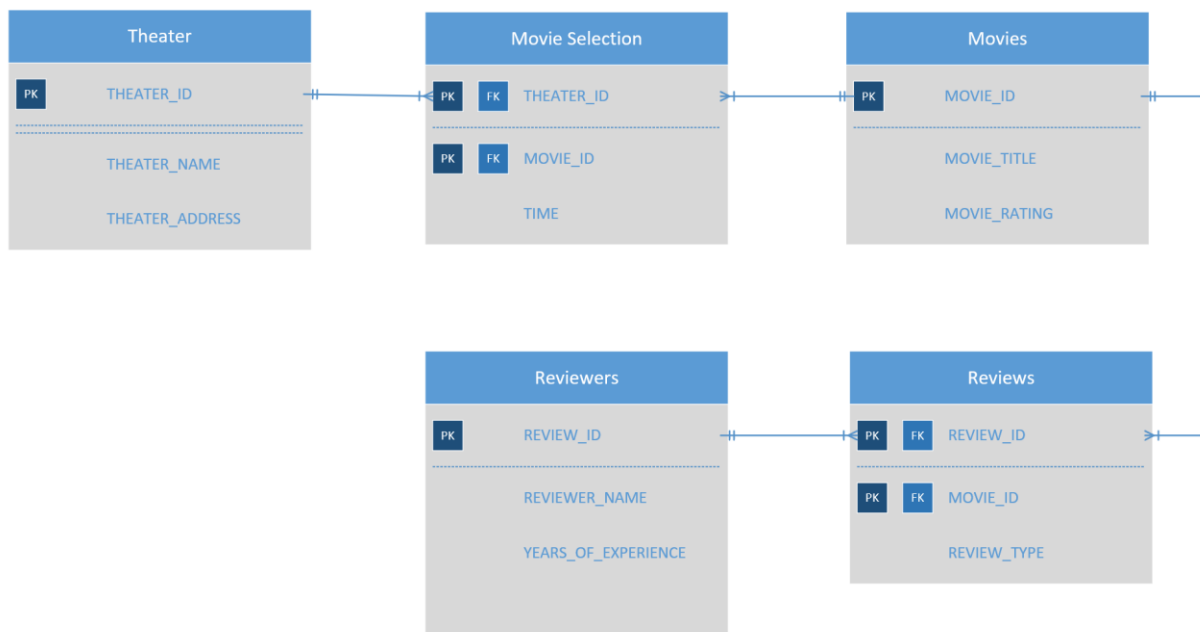
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Assignment 2: Page 69 Questions 1-3

1. Regarding business rules, we will consider them as an assortment of ideas or facts that we must know before creating the desired ERD. What is an ERD? An ERD is what we use to show how specific entities are related; usually in a graphical form. This data modeling technique allows us to define business processes and graphically show our different entity relationships within a desired database. We will now analyze the relationships pictured in the ERD pictured in Figure P2.17:

- One or Many: One or Many – This relationship is between THEATER and MOVIE. Further implying that a theater can have multiple movies at a given time and a movie can also be in many theaters at any given time.
- One: Many – This relationship is among MOVIE and REVIEW. Further implying that a movie can receive many reviews and each movie will receive a review.
- One: Many – This relationship is among REVIEWER and REVIEW. Further Implying that one reviewer can give multiple reviews and each review will be given by a reviewer.

2.



3.

THEATERS

THEATER_ID	THEATER_NAME	THEATER_ADDRESS
TTN	Tinseltown	4400 Towne Center Dr.
STB	Stonybrook	2745 S Hurtbourne Pkwy.
XSC	Xscape	12450 Sycamore Station Pl.
R16	Rave 16	9700 Preston Crossing Blvd.

MOVIE SELECTION

THEATER_ID	MOVIE_ID	TIME
TTN	12S	12:45 P
TTN	DOT	1:35 P
XSC	DOT	4:55 P
R16	INS	10:45 P

MOVIES

MOVIE_ID	MOVIE_TITLE	MOVIE_RATING
12S	12 Strong	R
DOT	Den of Thieves	R
INS	Insidious: The Last Key	R
TPT	The Post	PG-13

REVIEWS

REVIEW_ID	MOVIE_ID	REVIEW_TYPE
JH	DOT	Okay
SL	12S	Good
JK	INS	Good
JK	DOT	Great

REVIEWERS

REVIEW_ID	NAME	YEARS_OF_EXPERIENCE
JH	Johnathan Hickman	10
SL	Stan Lee	2
JK	Jack Kirby	25
BW	Bruce Wayne	15