A01: ER Review

Re-submit Assignment

Due Jun 9 by 11:59pm   **Points** 5   **Submitting** a file upload   **File Types** jpg and png

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Use an ER Diagramming tool to generate an ER Diagram for the following scenario.

You have been hired by a board game lending library to design a database to keep track of games' information and the customers who have borrowed them

Entities

- GAME: Each game must keep track of its title, year of release, minimum/maximum number of players (two pieces of information!), difficulty rating, cooperative flag, and availability flag
- PUBLISHER: Games are associated with a publisher. The publisher entity must contain the publisher name and address
- DESIGNER: Games have designers; this entity must store the designer's name and whether or not they have won an award.
- MECHANIC: Games often have one or more dominant mechanics. This entity must store the mechanic name and a description of the mechanic
- CUSTOMER: Games will be checked out by customers; we must keep track of the customer name and address

Relationships

- Every game has exactly one publisher (publishers may have published many games, or may have published zero games)
- Games have at least one designer (sometimes more)
- Games may have multiple dominant mechanics, but are not required to have one
- Over time, a customer may check out many games; we must track the date checked out, the due date, and the date returned.

Notes

- Please identify the primary and foreign keys in the entities.
- Please check rubrics before turning in this assignment.
- Show associative entities where applicable.
- Differentiate strong and weak relationships in the ER diagram using the appropriate representation.
- For all addresses, in this assignment and future assignments, use the following format unless specifically indicated otherwise:

```
address_line_1
address_line_2
city
state_or_region
postal_code
country
```

Submit your assignment using Northwest Online as a picture file (.jpg, .png)

ER Review

Criteria	Ratings		Pts
Entities Entities are identified correctly and easy to understand	**2.0 to >0.0 pts** **Full Marks**	**0.0 pts** **No Marks**	2.0 pts
Relationships Relationships are identified correctly and easy to understand	**2.0 to >0.0 pts** **Full Marks**	**0.0 pts** **No Marks**	2.0 pts
Attributes Attributes are identified correctly, easy to understand, and named appropriately	**1.0 to >0.0 pts** **Full Marks**	**0.0 pts** **No Marks**	1.0 pts
		Total Points: 5.0	