

Database Design

3-3: Speaking ERDish and Drawing Relationships

Practice Activities

Objectives

- State relationships between entities in precise words (ERDish)
- Draw and label relationships correctly on an ERD

Vocabulary

Identify the vocabulary word for each definition below.

	The language or statements used to describe relationships between entities in an entity-relationship diagram.
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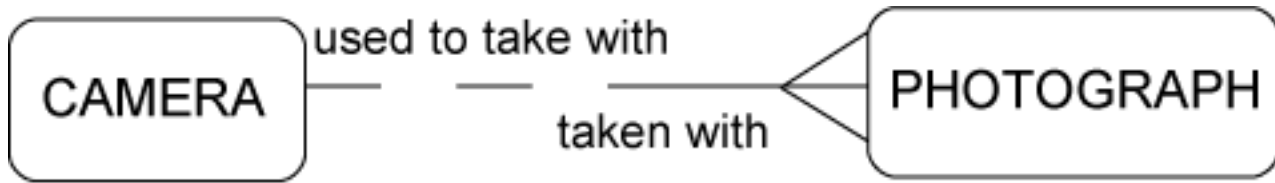
Try It / Solve It

1. The goal of this practice is to read a relationship. Which text corresponds to the diagram?



- Each EMPLOYEE may be assigned to one or more DEPARTMENTS.
Each DEPARTMENT must be responsible for one or more EMPLOYEES.
 - Each EMPLOYEE must be assigned to one and only one DEPARTMENT.
Each DEPARTMENT must be responsible for one or more EMPLOYEES.
 - Each EMPLOYEE must be assigned to exactly one DEPARTMENT.
Each DEPARTMENT may be responsible for exactly one EMPLOYEE.
- In the diagram for #1 identify the symbols for cardinality.
 - In the diagram for #1 identify the symbols for optionality.

4. Read the relationship in the diagram below. Write the ERD statement for the relationship.



5. Read each relationship in the model below. For each relationship, write the ERD statement and your comments. Use your knowledge of normal people and towns in your comments.

