

The background is a light gray gradient. It is decorated with numerous realistic water droplets of various sizes, some with highlights and shadows, scattered across the frame. In the upper center, there is a faint, circular, embossed-style logo that appears to be a university crest or seal.

RELATIONAL DATABASES

ERDISH

OBJECTIVES

- STATE THE RELATIONSHIP BETWEEN ENTITIES IN PRECISE WORDS
- DRAW AND LABEL RELATIONSHIPS CORRECTLY ON AN ERD

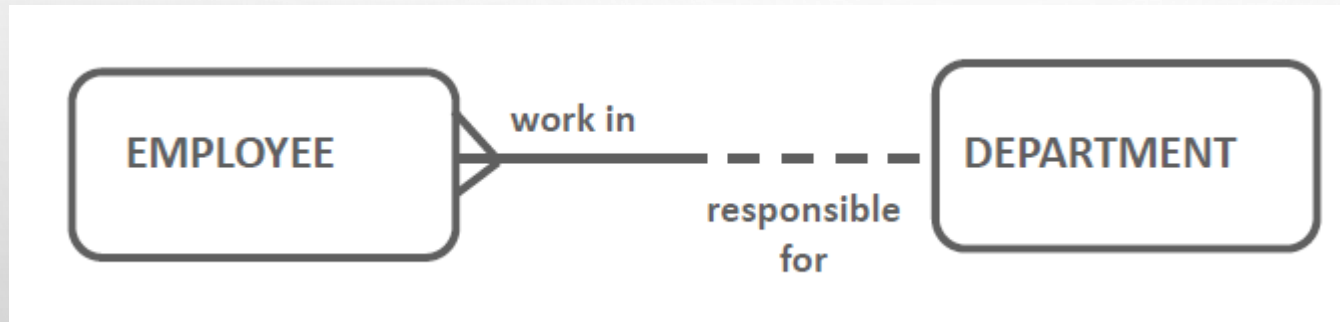


PURPOSE

- MOST BUSINESSES USE INDUSTRY SPECIFIC TERMINOLOGY IN ORDER TO COMMUNICATE INFORMATION
 - DATA MODELLING USES TERMINOLOGY WE CALL ERDISH FOR THE PURPOSES OF THIS CLASS
 - USING THIS TERMINOLOGY HELPS TO IDENTIFY AND RECORD ALL BUSINESS RULES FROM A CLIENT AND COMMUNICATE THEM TO THE DATABASE ADMINISTRATORS WHO IMPLEMENT YOUR DESIGN
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ERDISH

- IT IS USED TO STATE THE RELATIONSHIP BETWEEN TWO ENTITIES IN AN ER DIAGRAM



ERDISH COMPONENTS

FIRST WE READ THE RELATIONSHIP
FROM LEFT TO RIGHT

1. EACH
2. **ENTITY A**
3. **OPTIONALITY (MUST BE/MAY BE)**
4. **RELATIONSHIP NAME**
5. **CARDINALITY (ONE AND ONLY ONE/ ONE OR MORE)**
6. **ENTITY B**

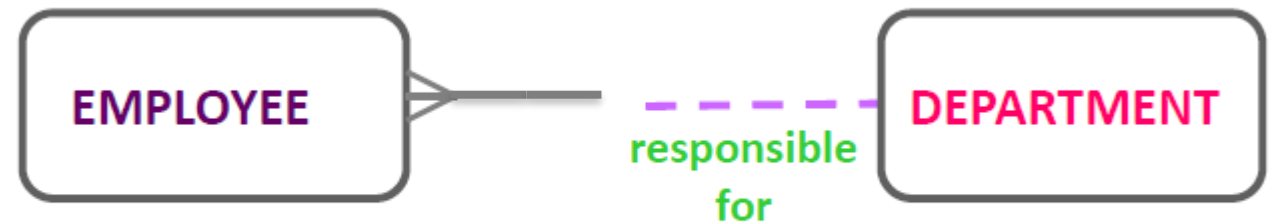


1. EACH
2. **EMPLOYEE** (entity A)
3. **MUST** (optionalty, solid line)
4. **WORK IN** (relationship name)
5. **ONE (AND ONLY ONE)** (cardinality, single toe)
6. **DEPARTMENT** (entity B)

ERDISH COMPONENTS

NOW WE READ THE
RELATIONSHIP FROM
RIGHT TO LEFT

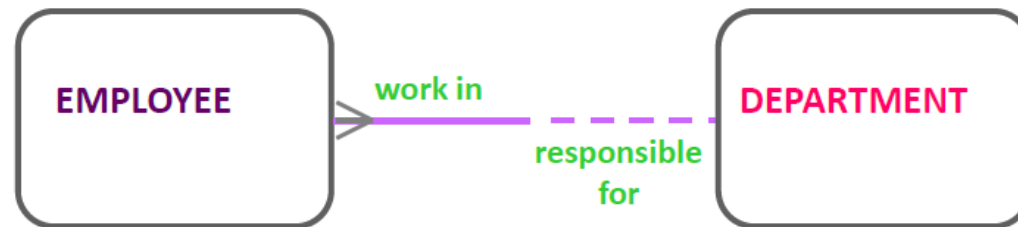
1. EACH
2. **ENTITY A**
3. **OPTIONALITY (MUST BE/MAY BE)**
4. **RELATIONSHIP NAME**
5. **CARDINALITY (ONE AND ONLY ONE/ ONE OR MORE)**
6. **ENTITY B**



1. EACH
2. **DEPARTMENT** (entity B)
3. **MAY BE** (optionality, dotted line)
4. **RESPONSIBLE FOR** (relationship name)
5. **ONE OR MORE** (cardinality, crow's foot)
6. **EMPLOYEE** (entity A)

ERDISH COMPONENTS

- SHOWING BOTH ERDISH



1. EACH
2. **EMPLOYEE** (entity A)
3. **MUST** (optionality, solid line)
4. **WORK IN** (relationship name)
5. **ONE AND ONLY ONE** (cardinality, single toe)
6. **DEPARTMENT** (entity B)

1. EACH
2. **DEPARTMENT** (entity B)
3. **MAY BE** (optionality, dotted line)
4. **RESPONSIBLE FOR** (relationship name)
5. **ONE OR MORE** (cardinality, crow's foot)
6. **EMPLOYEE** (entity B)