WEEK 1

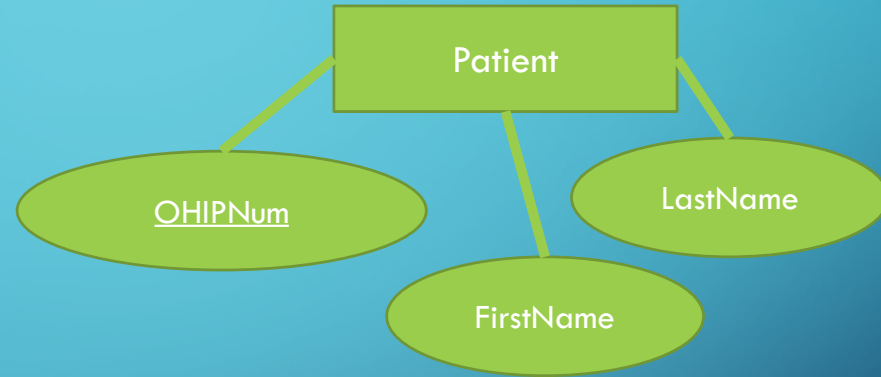## ENTITY RELATIONSHIP DIAGRAMS – CROWS FEET NOTATION – PART 7
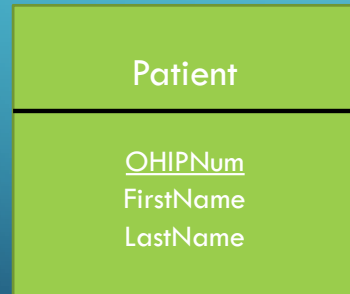
STUDENT OBJECTIVES

- Upon completion of this video, you should be able to:

  - Use the new notation, Crow's Feet Notation, to create an ER Diagram.

NEWER NOTATION – CROW'S FOOT NOTATION - ENTITIES
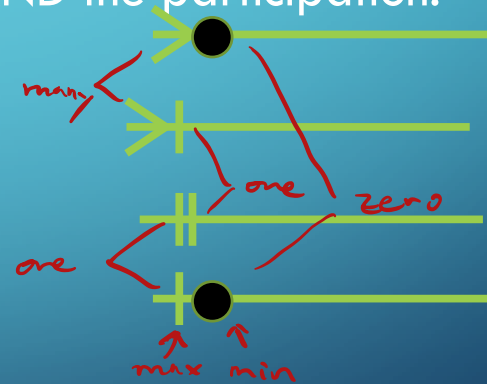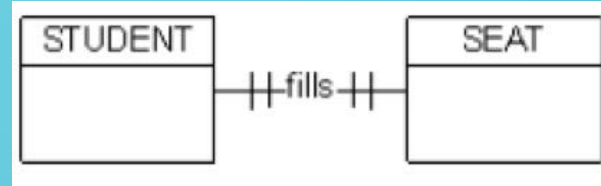
- Instead of this:

- Do this:

CROW'S FOOT NOTATION - RELATIONSHIPS

- Relationship indicated with just a line

- End of the line indicates the cardinality AND the participation:
  - Zero or more
  - One or more
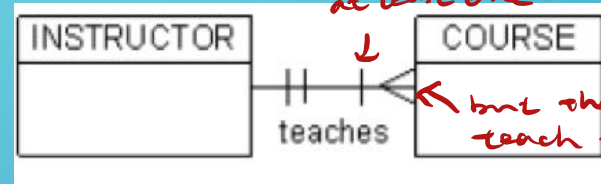 - One and only one
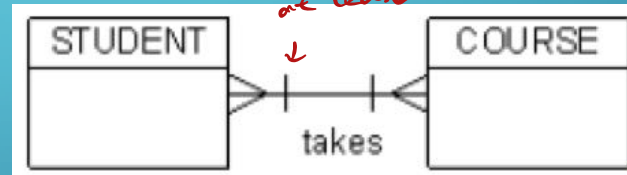 - Zero or 1

EXAMPLES

- One to One →

- One to Many →

- Many to Many →

- One to Many →

Student fills one and only one seat, and every seat have to be filled with a student.

at least one.
↓
← but they could teach many.

at least one.
↓

9/17/19
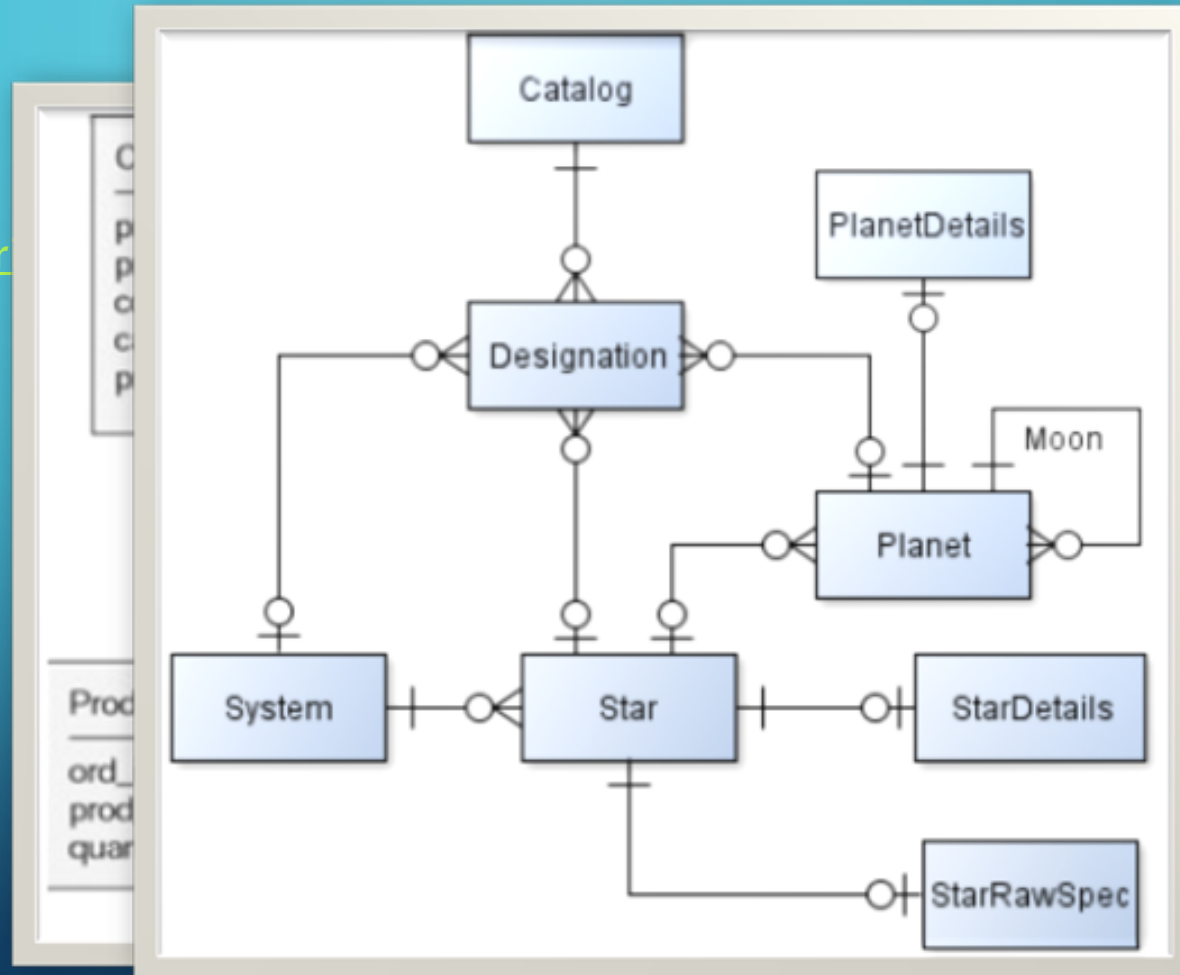
5
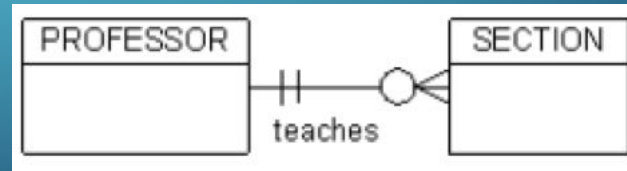
- **Question: What is the participation on each example?**

MORE EXAMPLES

- Video Descr

QUESTION: DRAW THE ER DIAGRAM FOR THE FOLLOWING USING CROW'S FOOT NOTATION

- Entities:
  - Customer (customers may have never purchased from us before)
  - Movie (movies we have in our system)
  - Copy of DVD (actual DVD someone rents)
  - Show the relationships: *currently renting,* and *is a*

- ANSWER: