

A decorative graphic on the left side of the slide, consisting of a network of white lines and circles on a blue gradient background, resembling a circuit board or a tree structure.

WEEK 1

ENTITY RELATIONSHIP DIAGRAMS – CROWS FEET NOTATION – PART 7

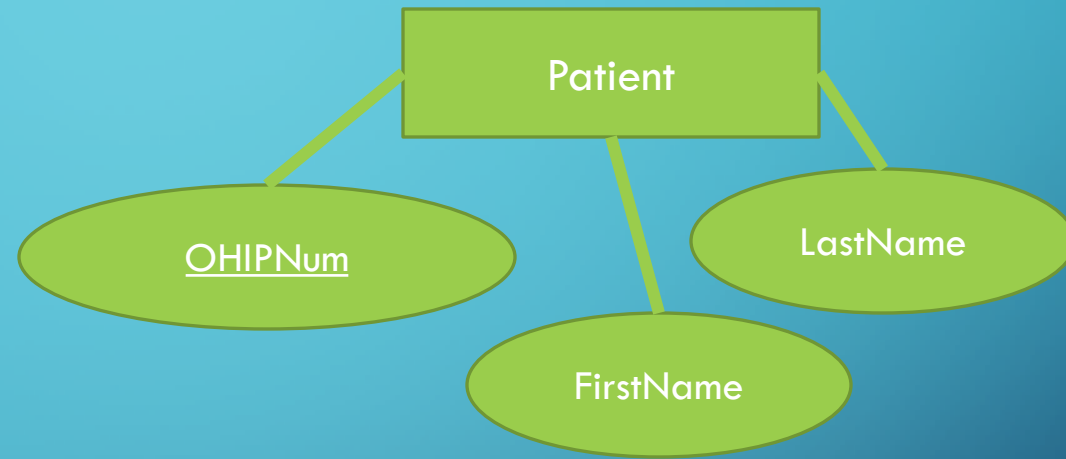
CS3319

STUDENT OBJECTIVES

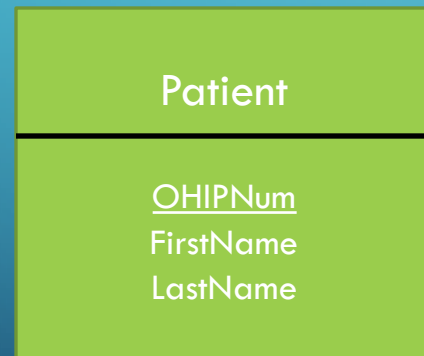
- Upon completion of this video, you should be able to:
 - Use the new notation, Crow's Feet Notation, to create an ER Diagram.

NEWER NOTATION – CROW'S FOOT NOTATION - ENTITIES

- Instead of this:

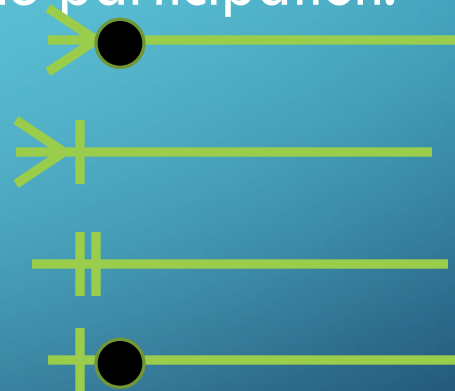


- Do this:



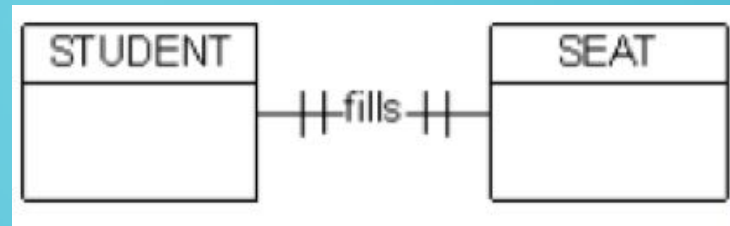
CROW'S FOOT NOTATION - RELATIONSHIPS

- 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

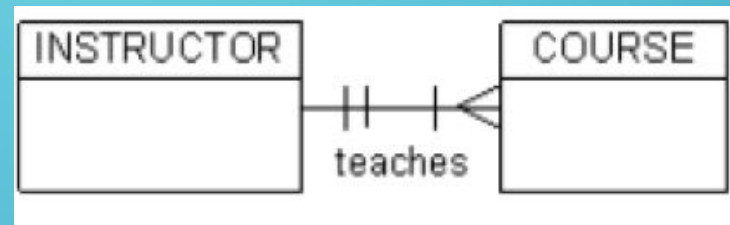


EXAMPLES

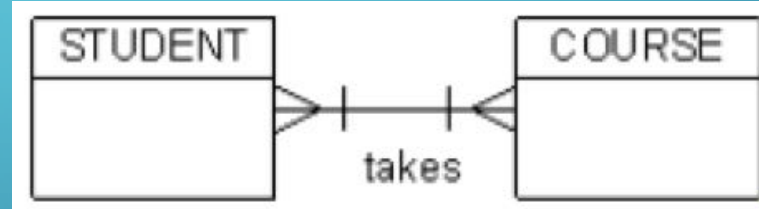
- One to One →



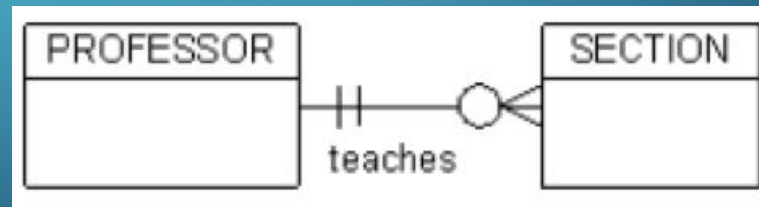
- One to Many →



- Many to Many →



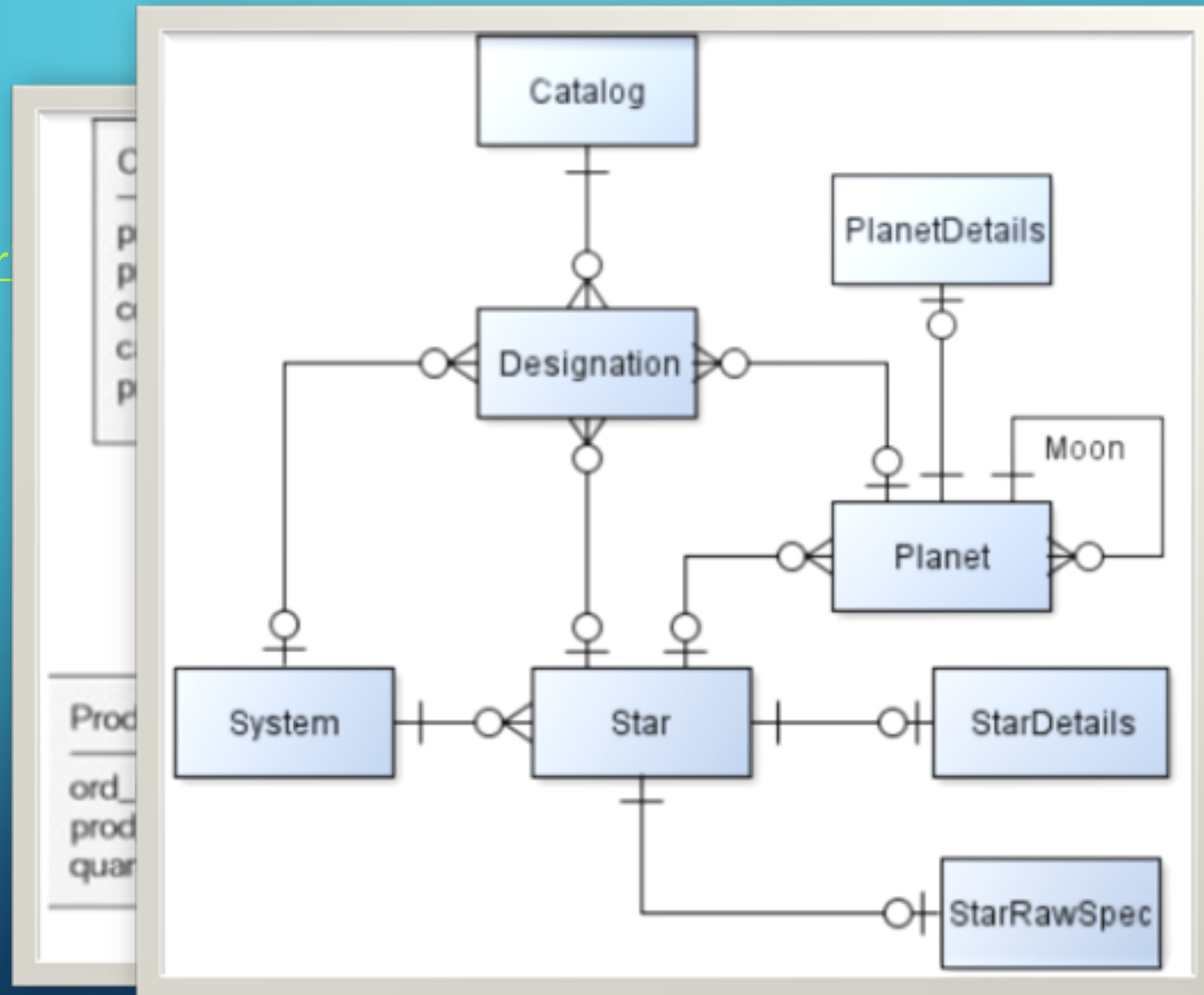
- One to Many →



- **Question: What is the participation on each example?**

MORE EXAMPLES

- [Video Description](#)



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:

