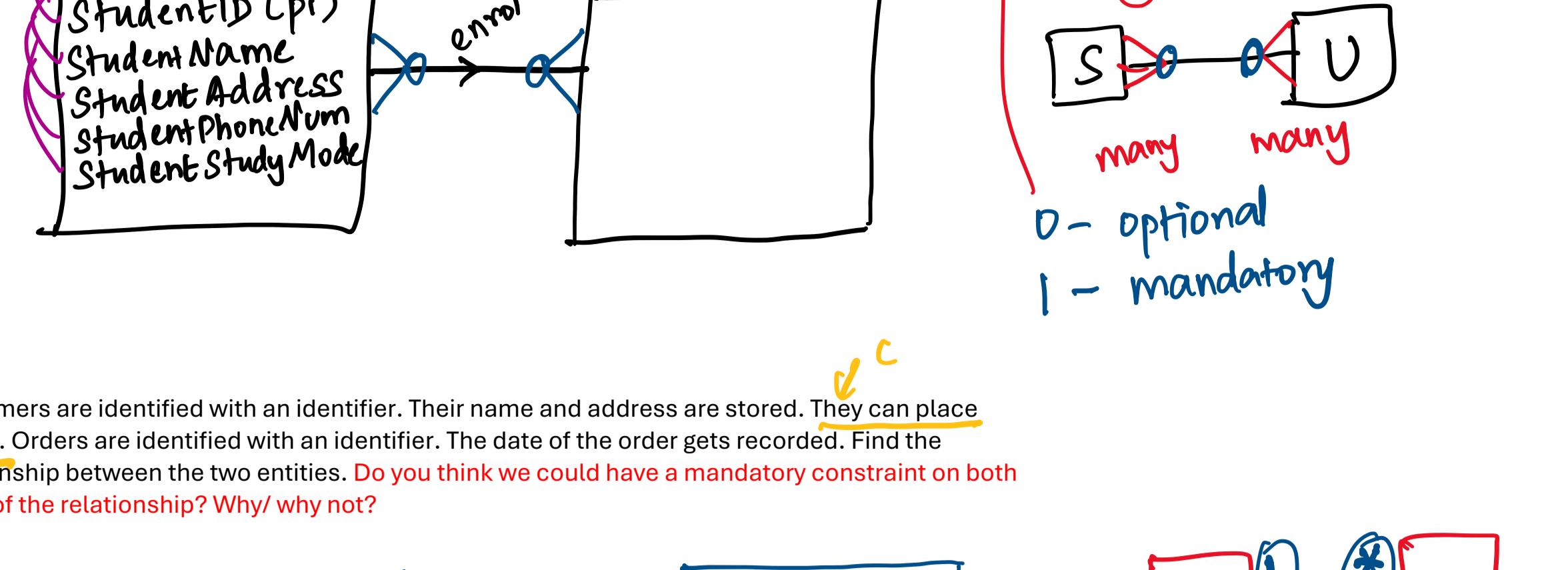


Lecture 2 (contd)- ER Diagrams

A student is identified using a StudentID. Names, addresses and phone numbers of students are also stored. Students can be full-time or part-time. A student can enrol in multiple units. Draw an ER diagram.



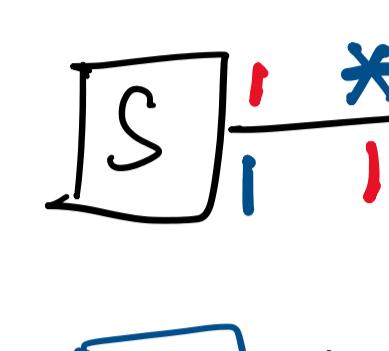
Rough draft
max - 1/*
min - 0/1
many many
D - optional
1 - mandatory

Customers are identified with an identifier. Their name and address are stored. They can place orders. Orders are identified with an identifier. The date of the order gets recorded. Find the relationship between the two entities. Do you think we could have a mandatory constraint on both sides of the relationship? Why/ why not?



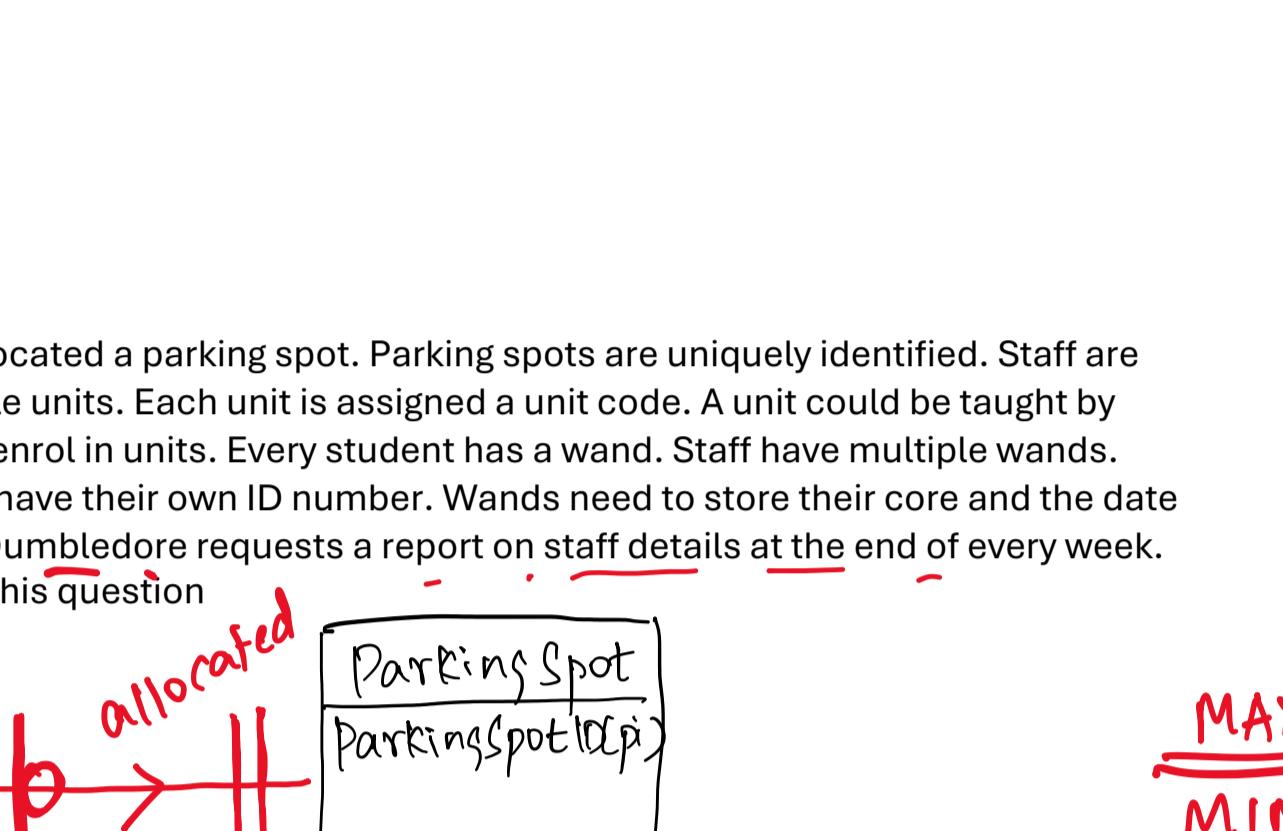
max - 1/*
min - 0/1

C1
C2
C3
C4
C5



one - many

Repeat the same for Season and Episode.

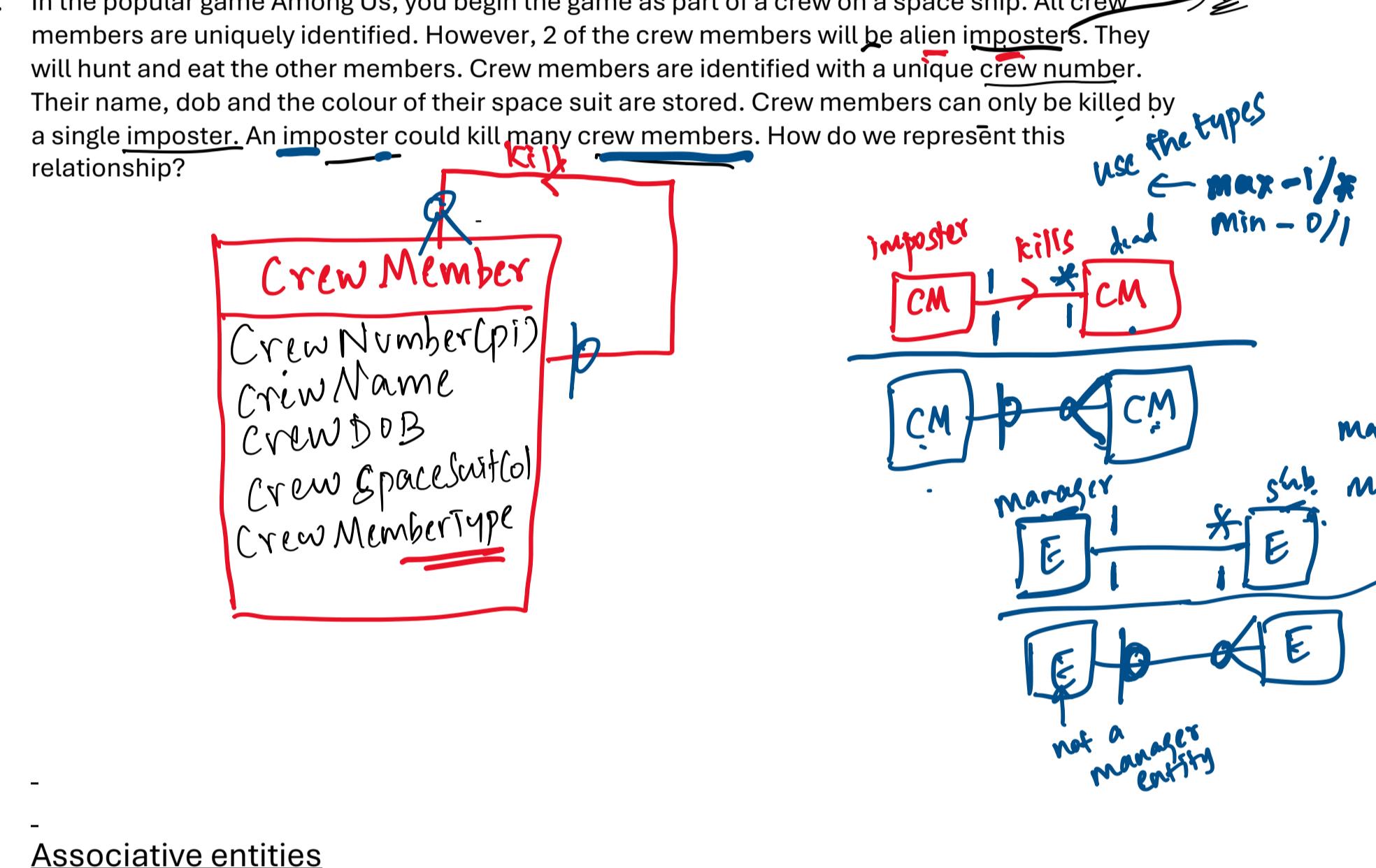


max - 1/*
min - 0/1

one - many

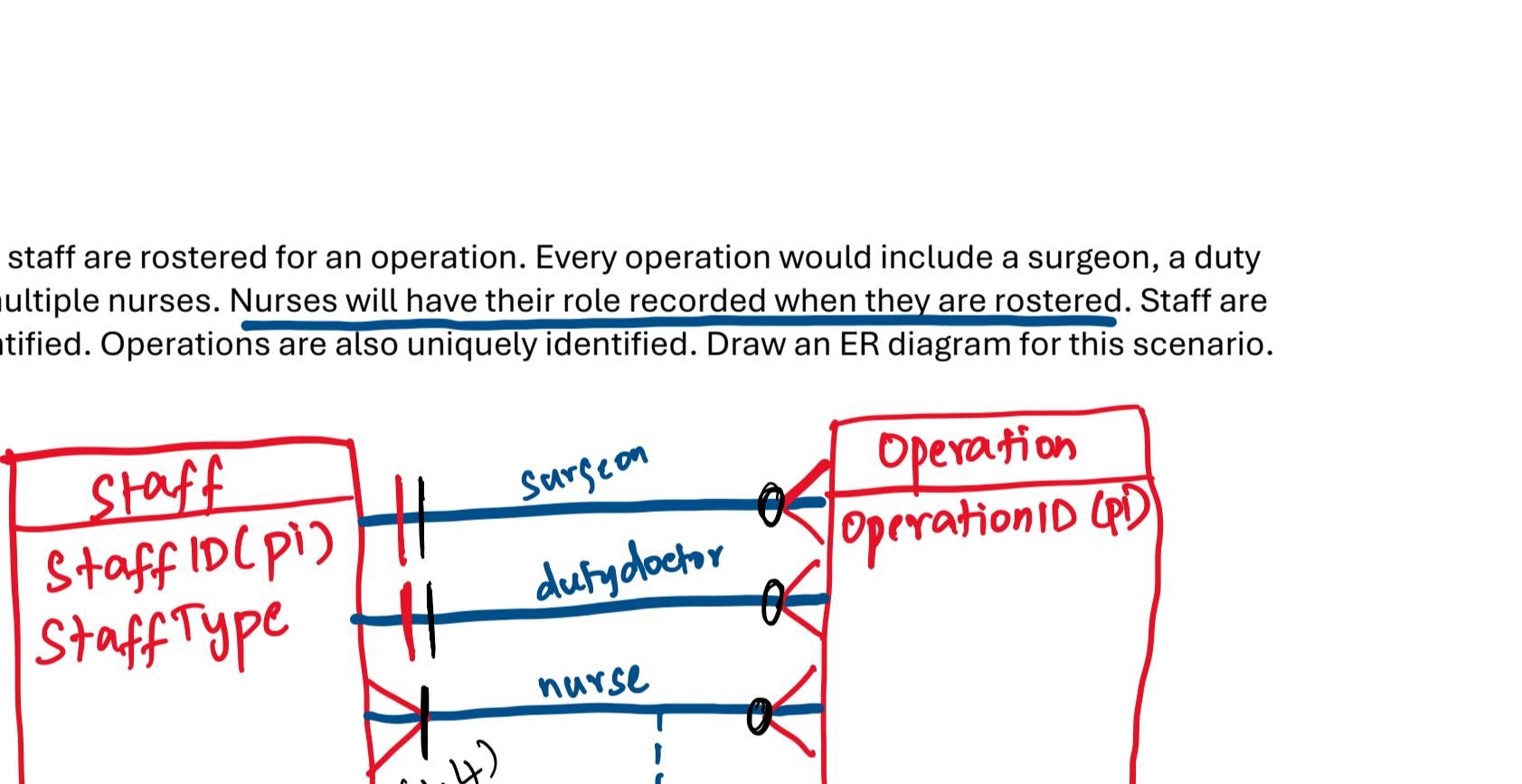
Lecture 3Recap

- Staff at Hogwarts are allocated a parking spot. Parking spots are uniquely identified. Staff are rostered to teach multiple units. Each unit is assigned a unit code. A unit could be taught by multiple staff. Students enrol in units. Every student has a wand. Staff have multiple wands. Students and staff each have their own ID number. Wands need to store their core and value. The date they were made. Albus Dumbledore requests a report on staff details at the end of every week. Draw an ER diagram for this question



MAX - 1/*
MIN - 0/1

- In the popular game Among Us, you begin the game as part of a crew on a space ship. All crew members are uniquely identified. However, 2 of the crew members will be alien imposters. They will hunt and eat the other members. Crew members are identified with a unique crew number. Their name, dob and the colour of their space suit are stored. Crew members can only be killed by a single imposter. An imposter could kill many crew members. How do we represent this relationship?



use the types
max - 1/*
min - 0/1

max - 1/*
min - 0/1