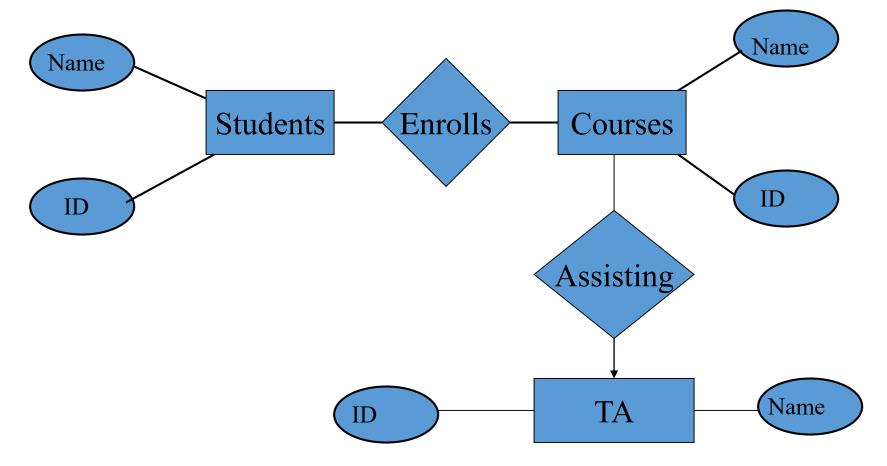
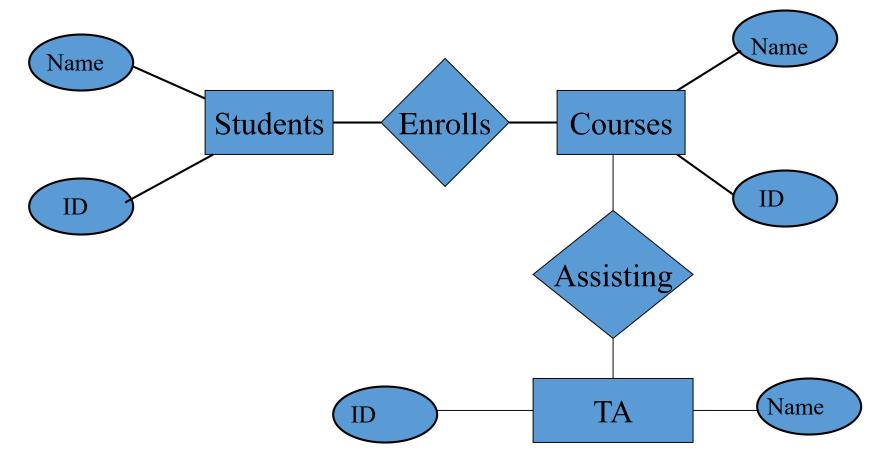
Multiplicity of multiway relationships

Multiplicity of multiway relationships 1/4



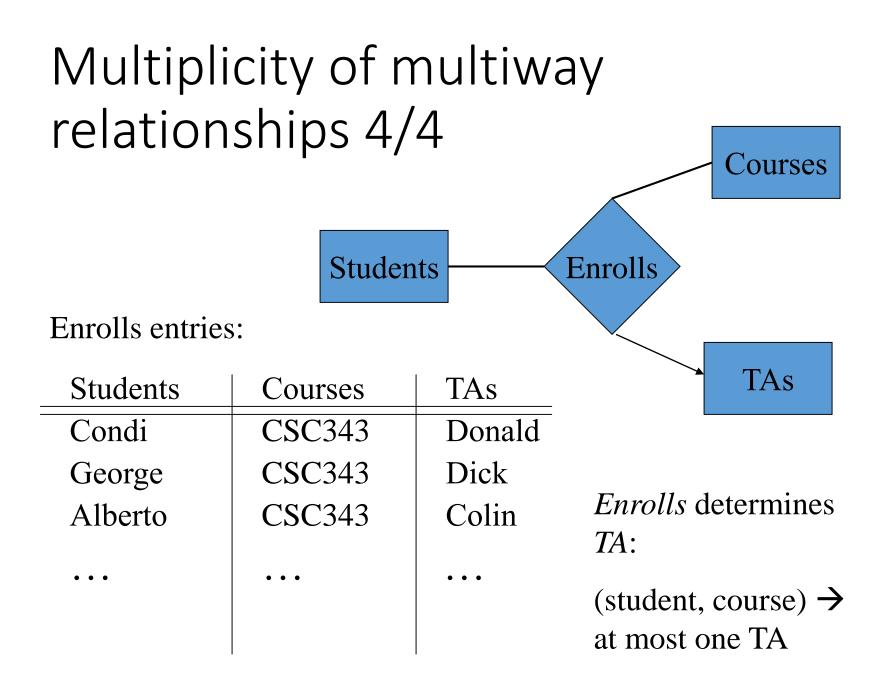
Multiplicity of multiway relationships 2/4



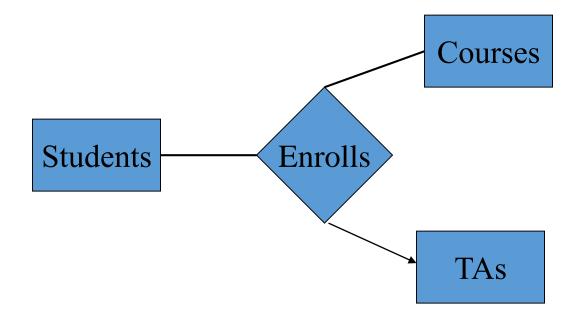
Multiple TAs per course

Multiplicity of multiway relationships 3/4

- Works if each TA is a TA of all students
 - Student and TA connected through Course
- But what if students were divided among multiple TAs?
 - Then a student in CSC343 would be related to all of the TA's for CSC343—which one has helped him?
- 3-way relationship is helpful here

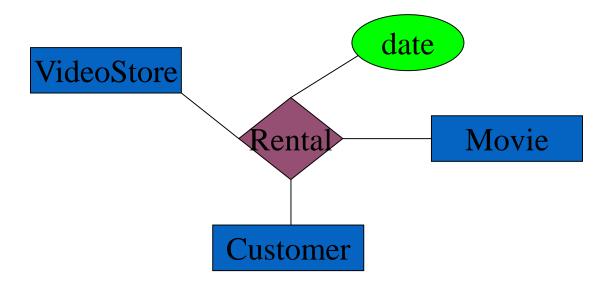


Multiplicity test for multiway relationships 1/2



Take every PAIR of entities and see to how many entities it is related in the third: (Student A, Course B) -> 1 TA (Course B, TA C) -> multiple students (Student A, TA C) -> possibly multiple courses over the years

Multiplicity test for multiway relationships 2/2



Where should we put arrows here?

Multiway relationships can be represented as binary – but mean the same thing

