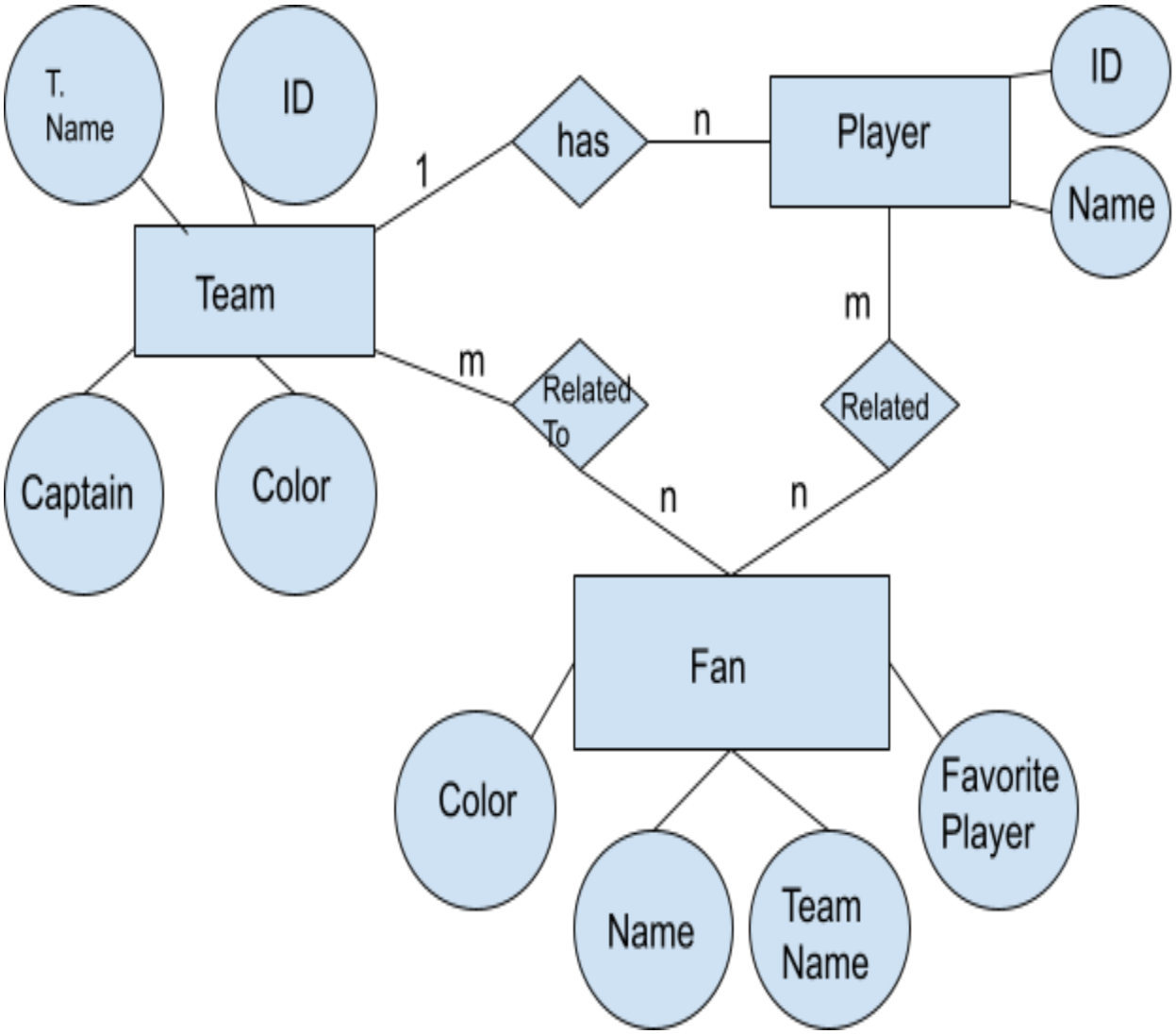
I Silas Davis declare that I have completed this assignment completely and entirely on my own, without any consultation with others. I understand that any breach of the UAB Academic Honor Code may result in severe penalties.

Silas Davis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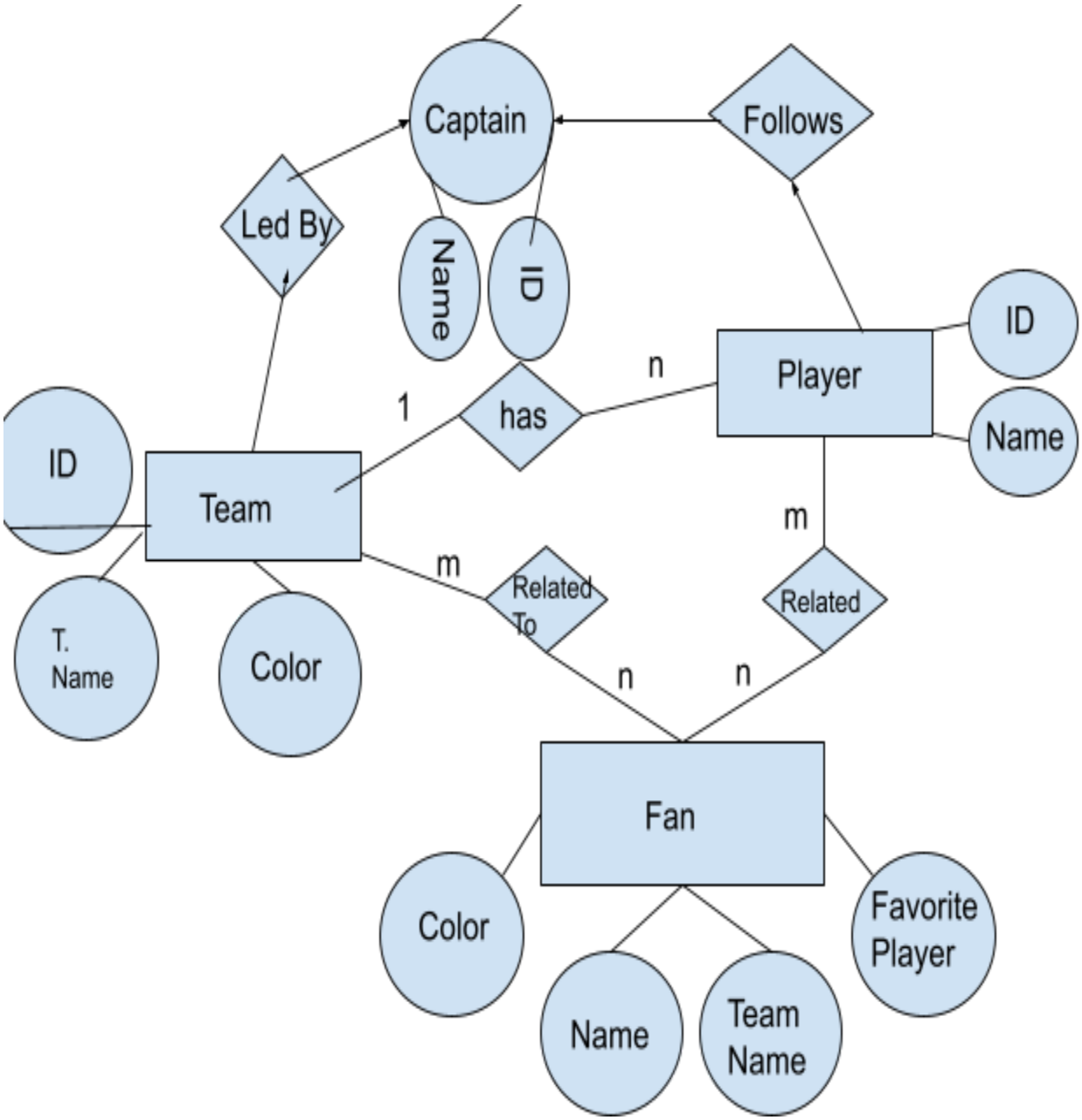
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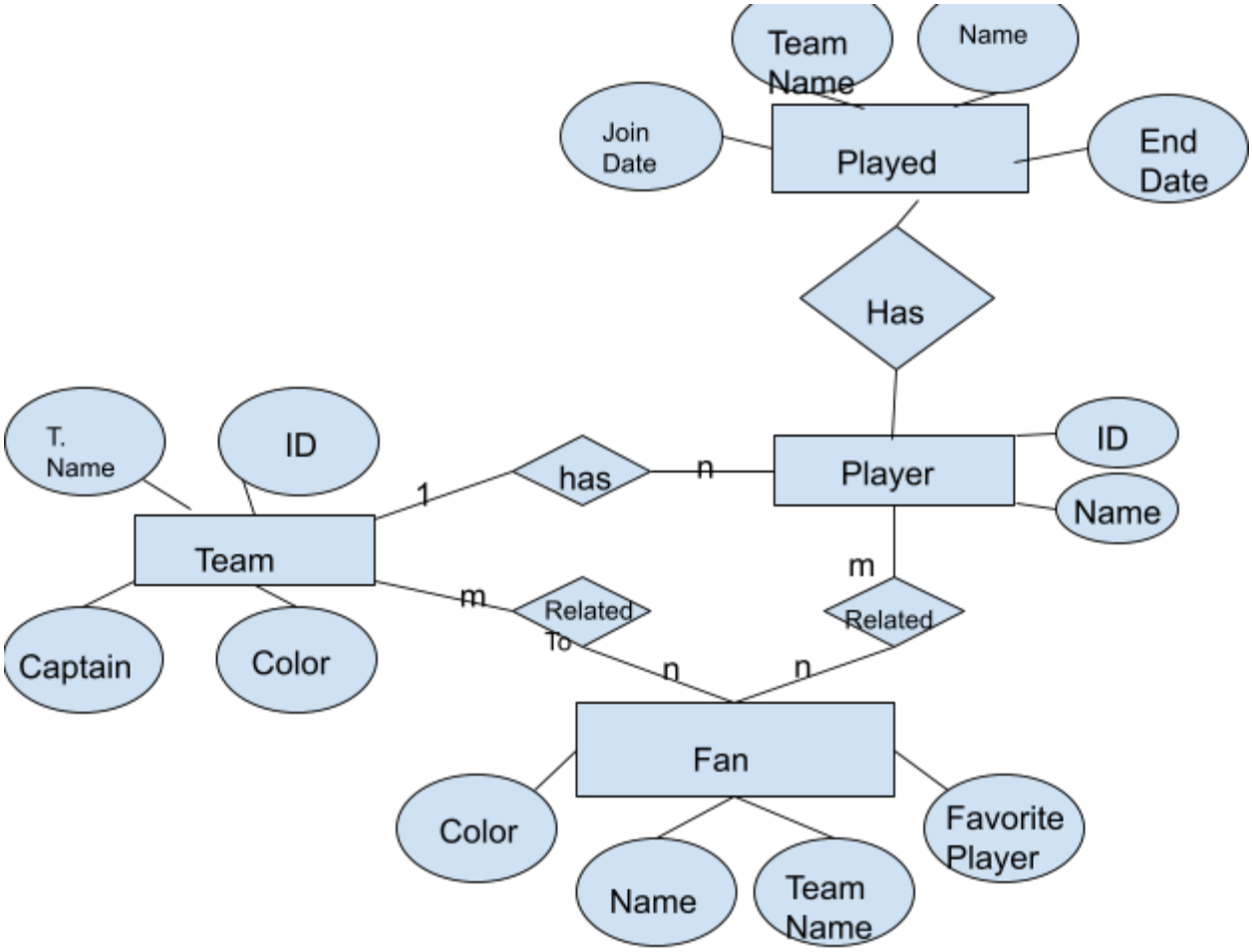
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Favorite Player

Student	
PK	Student_id
	Name Date_of_birth Address Contact_Number

Professor	
PK	Prof_id
FK	Name Address Position Salary Contact_Number Email Dept_id

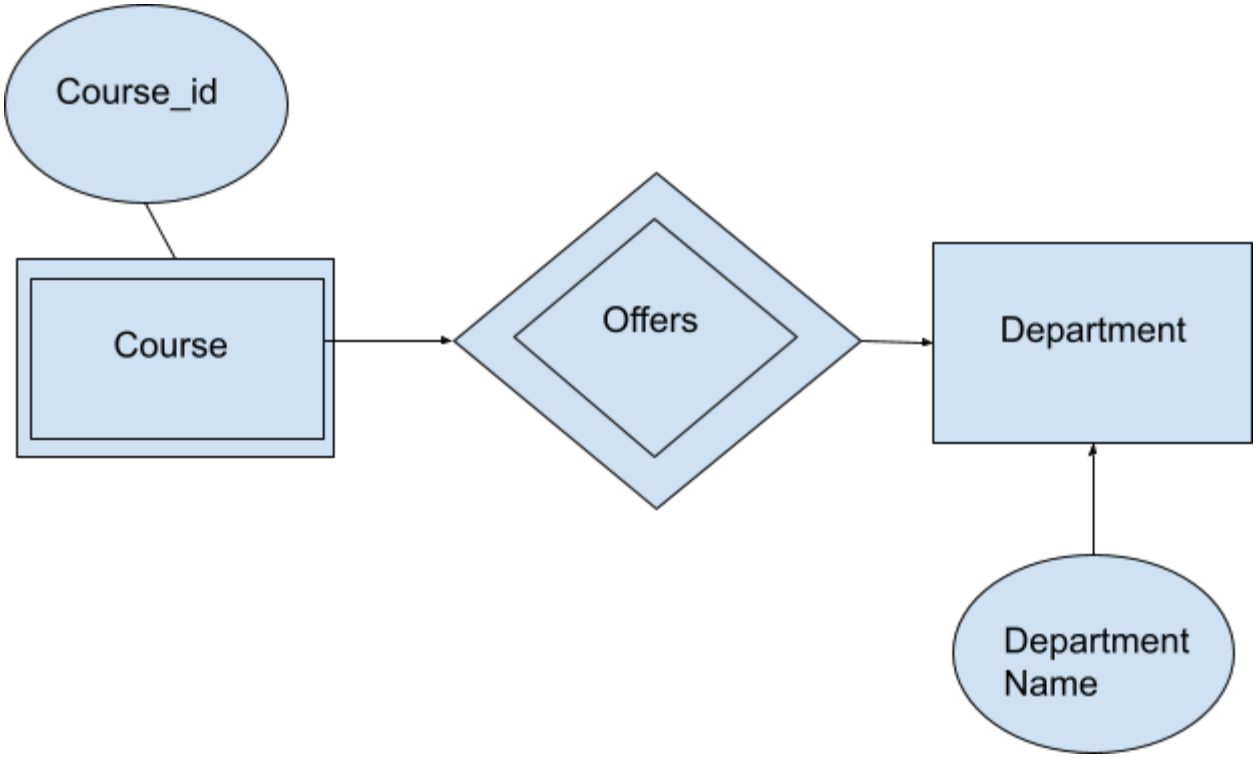
Department	
PK	Dept_id
FK	Name Description HeadOfDepartment

StudentCourse	
PK, FK1 PK, FK2	Student_id Course_id

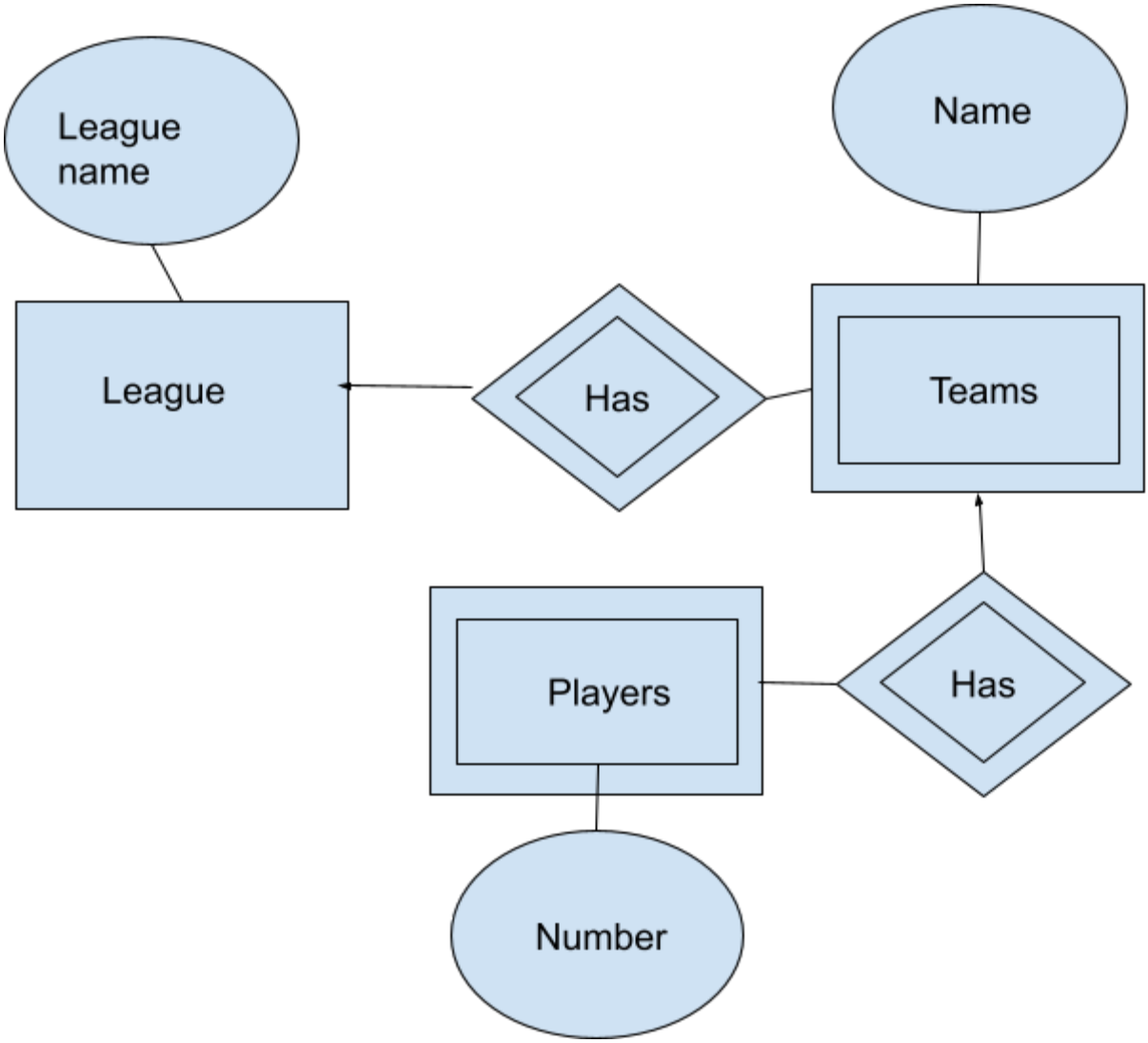
	Grades

Courses	
FK1 FK2 FK3	Name TotalSemesters Credits Dept_id Prof_id TA_id

PK is primary key and FK is foreign key. The student can enroll in a student course and can also sign up to be a TA for a course. A professor can teach a course and can also be head of a department. The department provides the course.



With this diagram, different departments can offer courses with the same number. That means the course id cannot uniquely identify courses. The double box indicates weak. One department can offer many courses.



Since a player number cannot uniquely identify one player without a specific team so player is a weak entity. A team name cannot uniquely identify a team without a league so team is a weak entity. One league can have many names and many teams. Teams can have many players.