

CS 340 HW 1

1. Relationships – For this question you are to ignore attributes and provide ER diagrams that represent the relationship between entities correctly. The entities will be Foo, Bar and Baz.
 - a. A Foo is related to 1 or more Bars.
A Bar is related to 0 or more Fools.
 - b. A Foo is related to at least one Bar.
A Bar is related to exactly one Foo.
A Baz is related to zero or more Bars and at least one Foo.
A Bar is related to exactly one Baz.
A Foo is related to no more than one Baz.
2. Provide a schema for the following data

Convert the ER diagram located at the end of this document into a schema.

3. Create an ER diagram that models the following situation as accurately as possible:
You are creating a database for a company. They want you to implement a database that represents the following description of their business.

The company has some employees. Each employee is uniquely identified by his/her ID. Employees have first name, last name, date of birth, and the date that they joined the company.

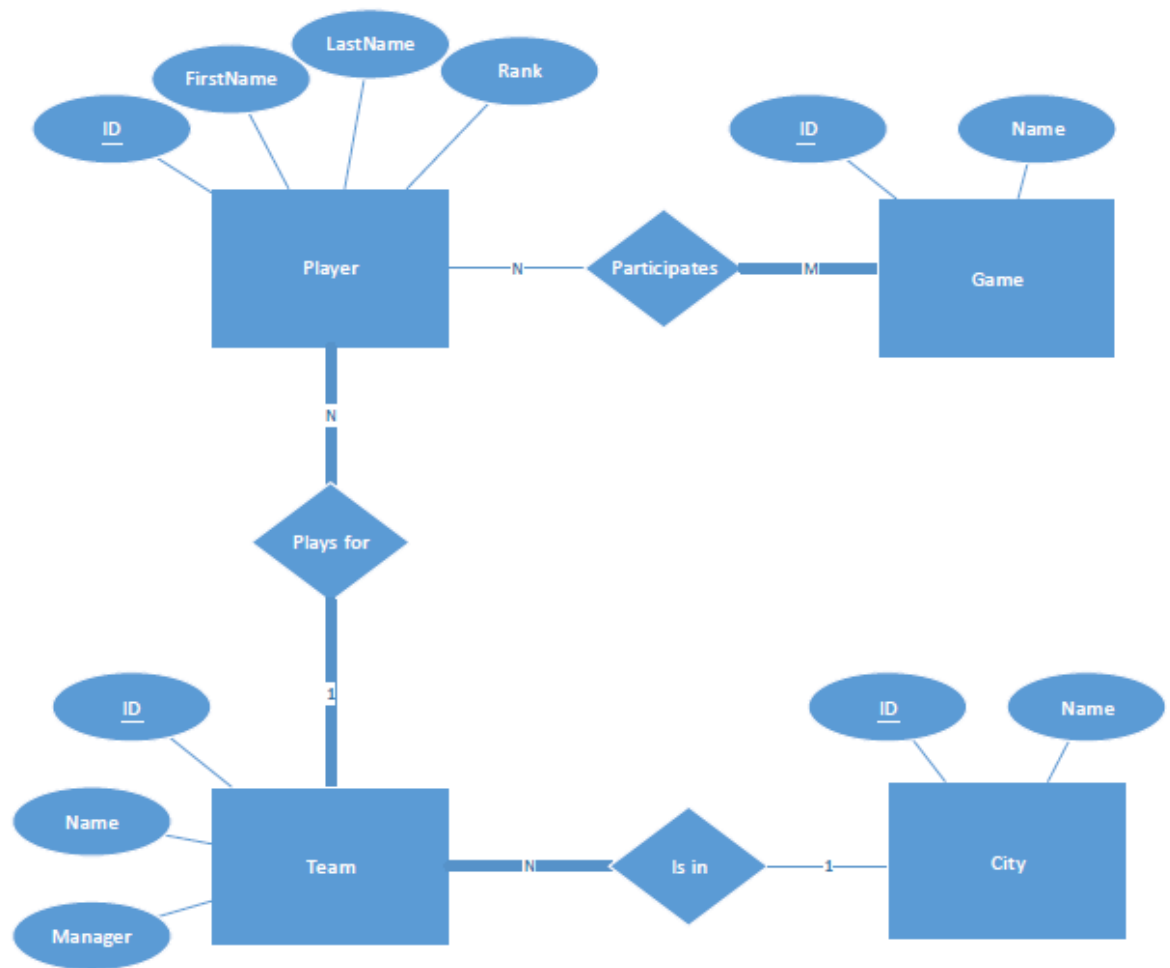
The company has some clients. Each client is uniquely identified by an ID. They have first name, last name and date of birth.

A client orders at least one project. Each project is ordered by exactly one Client. Each project has a Project ID and a Project Explanation.

An Employee works on one or more projects. A project is assigned to zero or more employees. The date that an employee starts working on a project is tracked.

There are some Offices in the company. They have Office ID and Location. Each office can have many employees but there might be some offices without any employees. Every employee works in one specific office.

An employee can supervise zero or more employees. Every employee has one supervisor.



Question 2's ER Diagram