

1. a) Initial phase: characterize fully the data needs of the prospective database users

Second phase - choosing data model:

1. Applying the concepts of the chosen data model.
2. Translating these requirements into a conceptual schema of the database.
3. A fully developed conceptual schema indicates the functional requirements of the enterprise.

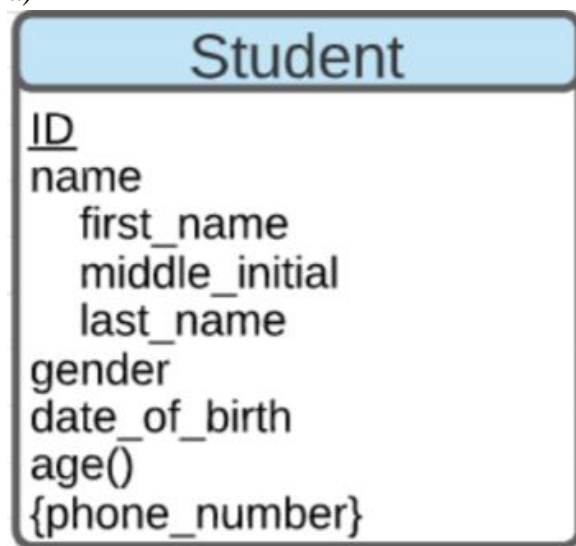
Final Phase: Moving from an abstract data model to the implementation of the database

b) Entity: a “thing” or “object” in the enterprise that is distinguishable from other objects (person, company event).

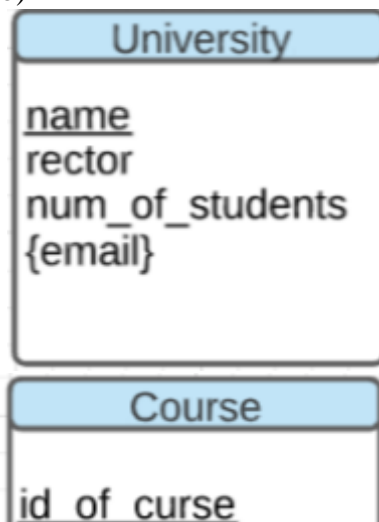
Entity is a set of attributes: instructor = (ID, name, salary ).

Relationship: an association among several entities.

2. a)

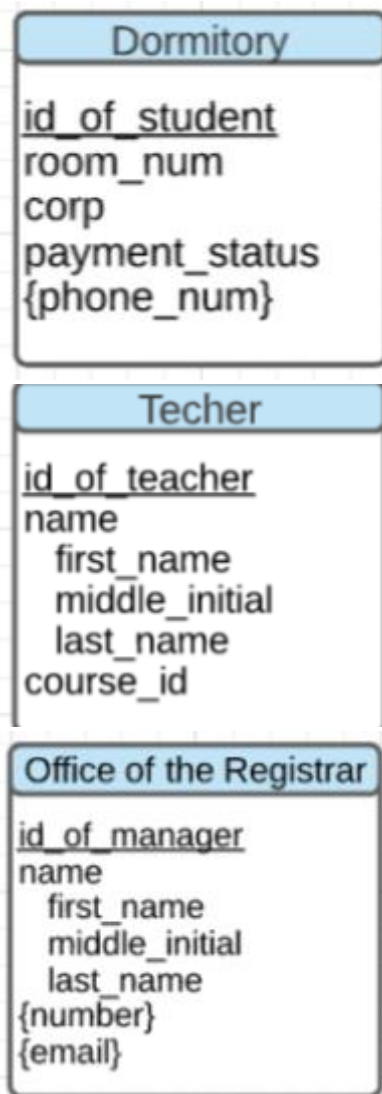


- b)

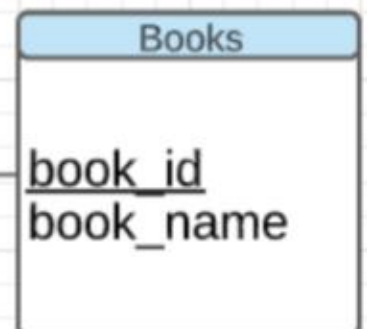
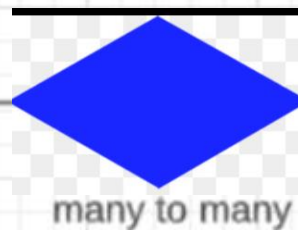
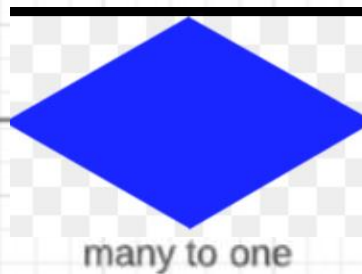
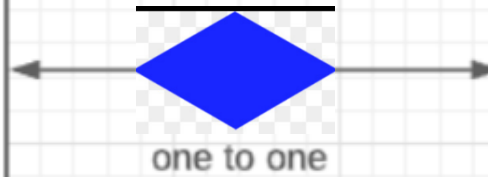


Name

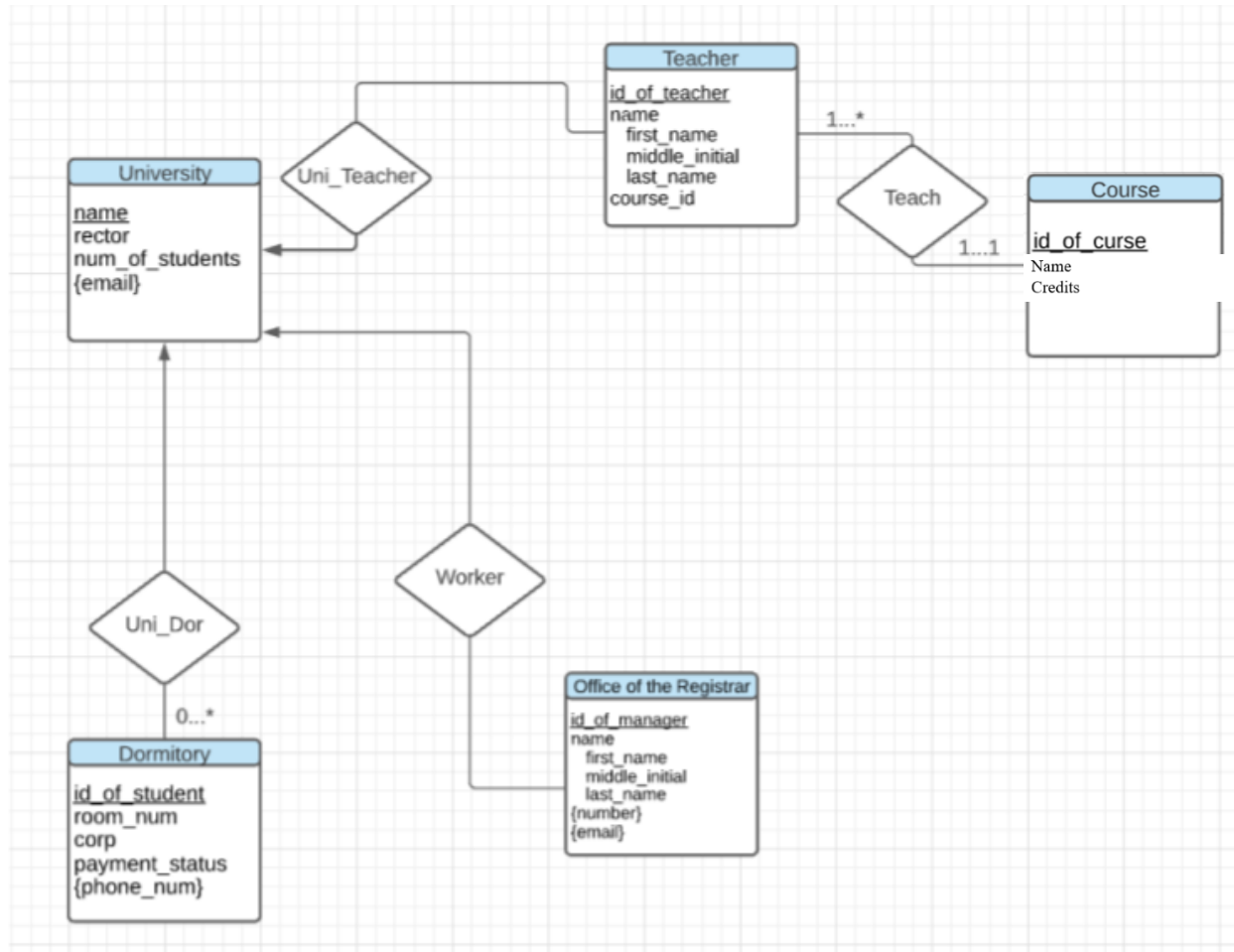
Credits

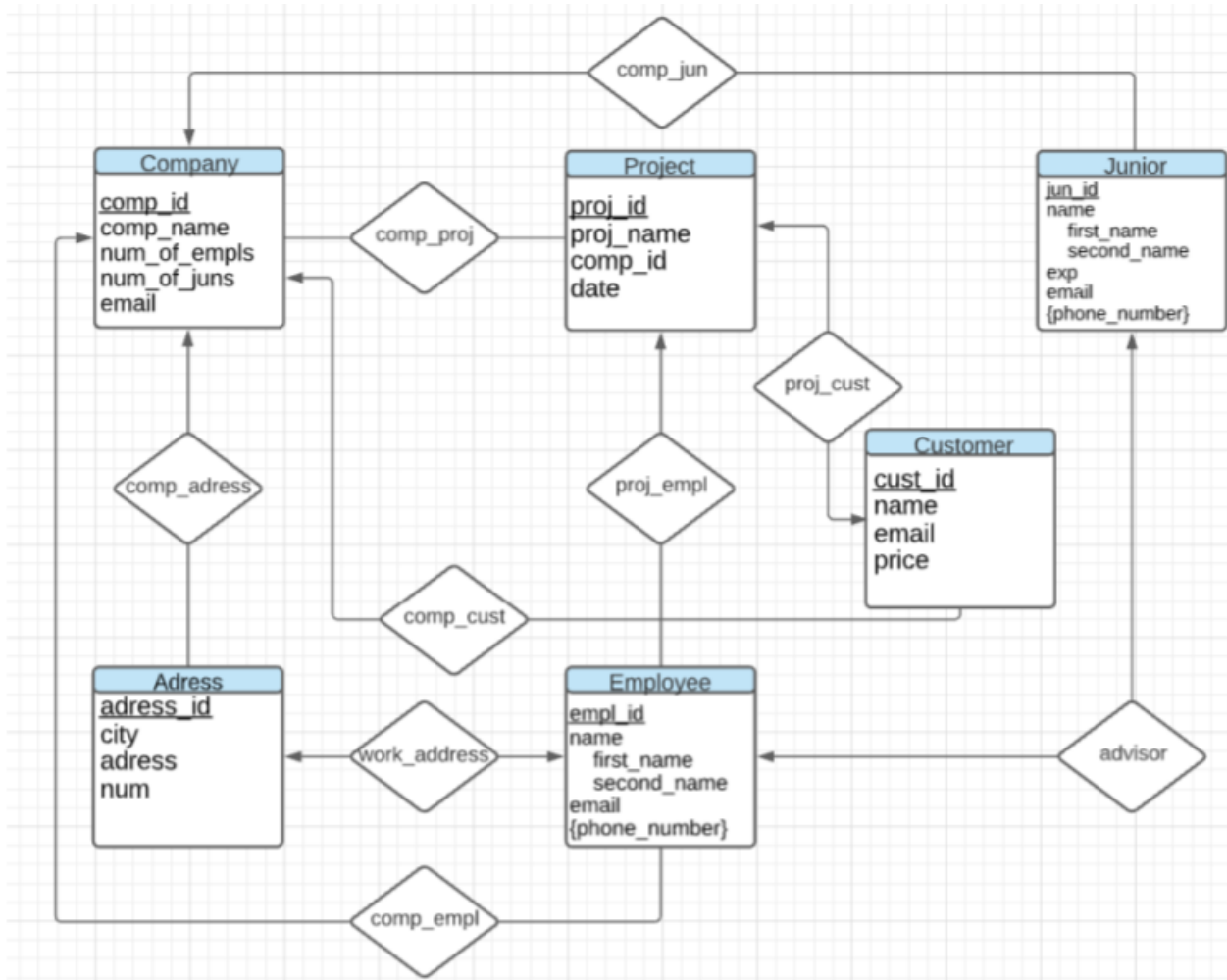


3.



4.





5.