Issayev Zhassulan
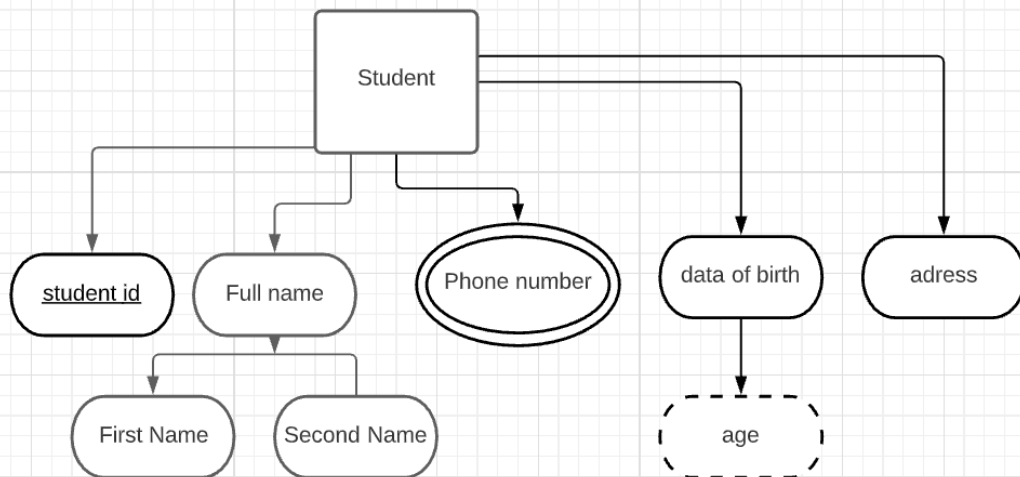
1.a)What are the main phases in the database design? What is done on eachdevelopment pase?

Answer: ER and data models typically have up to three levels of detail: Conceptual data model(entities, Attributes ,connections), Logical data model(records, data items links between records), Physical data model(data grouping ,indices, access methods)

b) An ER model is a representation of a database in the form of visual graphical diagrams. An ER model visualizes a process that defines a certain subject area. An entity - relationship diagram is a diagram that graphically represents entities, attributes, and relationships.
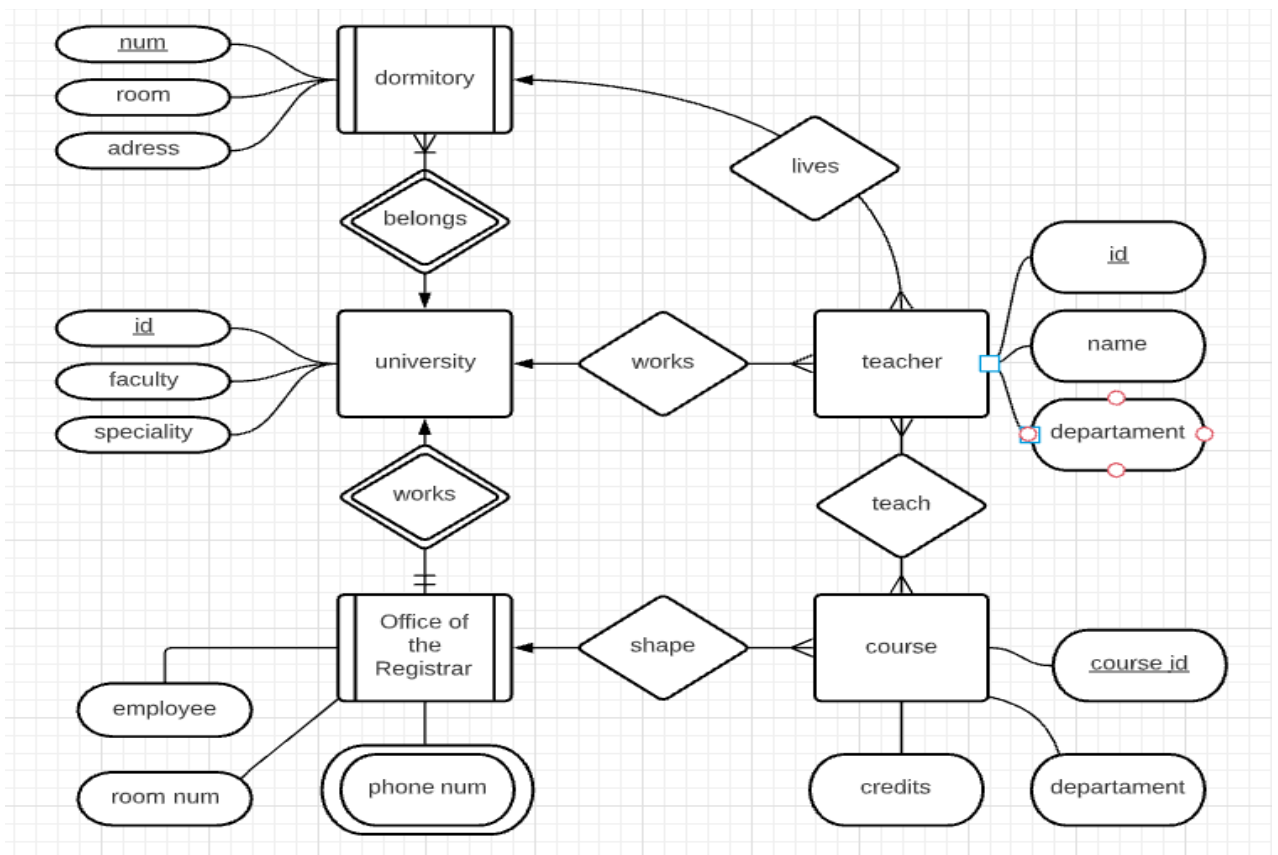
2. a) a) Create entity"Student"with at least5 attributes(One for each type of attribute:simple, composite, derived, multivalued)
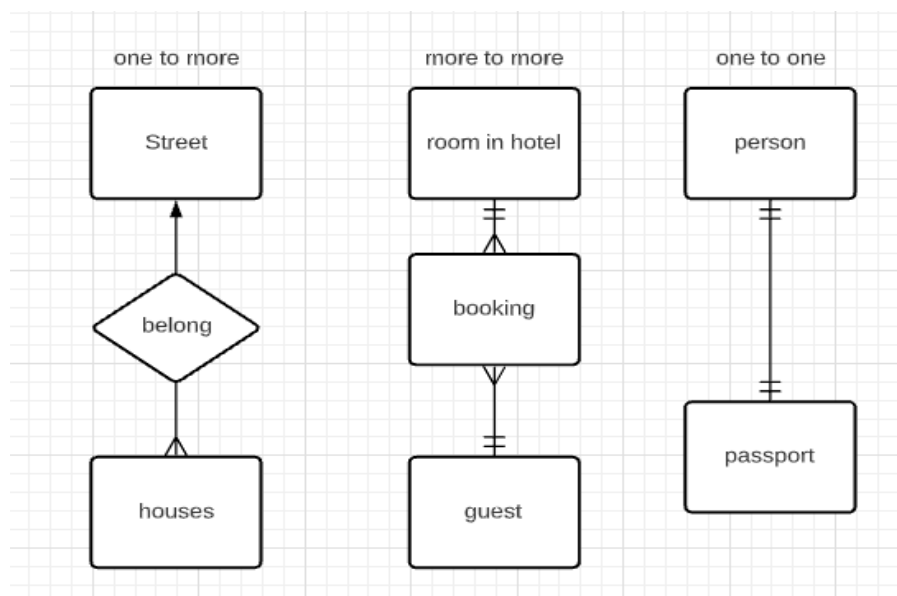
Answer:

b) Create entities"University", "Course", "Dormitory","Teacher", "Office of theRegistrar"with at least 3 attributes each. (Entitytypes should be correct on datamodel)
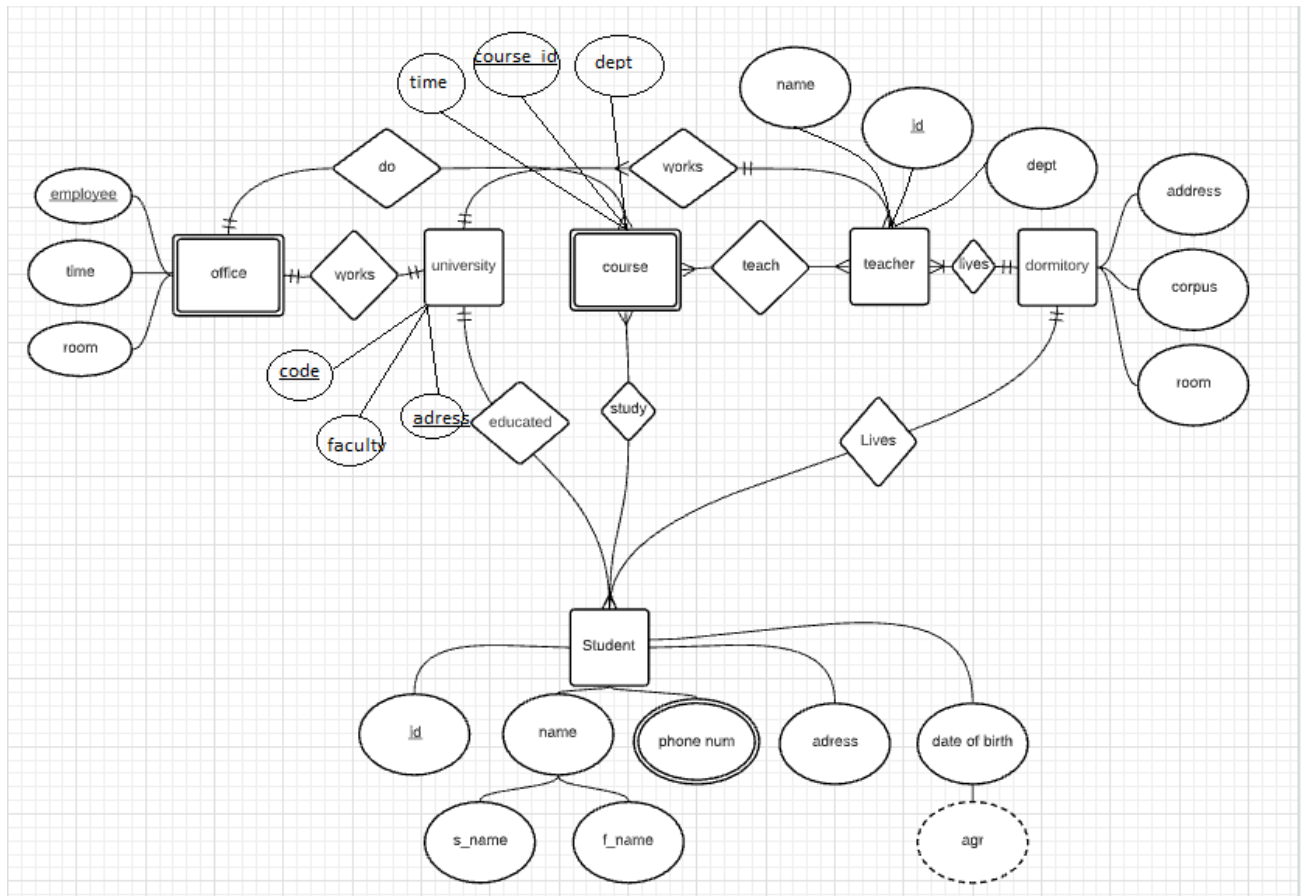
Answer:

3. Give examples forone-to-many, one-to-one, many-to-many,many-to-onerelations. (Draw the examples as a scheme)

Answer:

4. Create ER data model with relations using data from the second task.

Answer:

5. Create ER data model for IT company. (At least 5 entitiesand 8 relations)