a)

- Initial phase (Define fully database users need)
- Second phase (Choose data model)
- Final phase (Implementation of database)
- b) ER data model scheme that describes the structure of a database as diagram.

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a)

Student (ID, name(first_name, second name), age(), birth_date, {phone_number})

b)

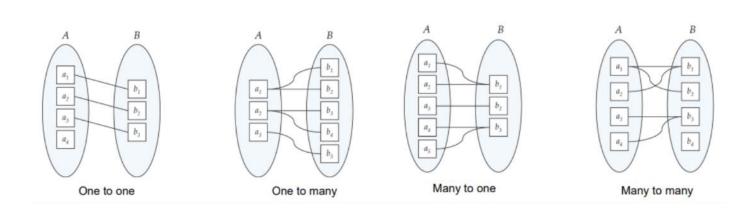
University (ID, city, address(street_name, street_number), {phone_number})

Course (course_id, title, credits, dept_name)

Dormitory (ID, city, address(street_name, street_number), {phone_number})

Teacher (ID, name(first_name, second name), age(), birth_date, {phone_number}, dept_name)

Office of the Registrar (ID, email, {phone_number})



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