Data bases

Lab 4

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Design phases

1 st - characterize fully the data needs of the prospective database users

2 nd - choosing a data model:

• Applying the concepts of the chosen data model

Translating these requirements into a conceptual schema of the database.

Describe the kinds of operations (or transactions) that will be performed on the data.

3 rd - implementation of the database:

Logical Design –Deciding on the database schema:

• Database design requires that we find a “good” collection of relation schemas.

• Business decision –What attributes should we record in the database?

• Computer Science decision

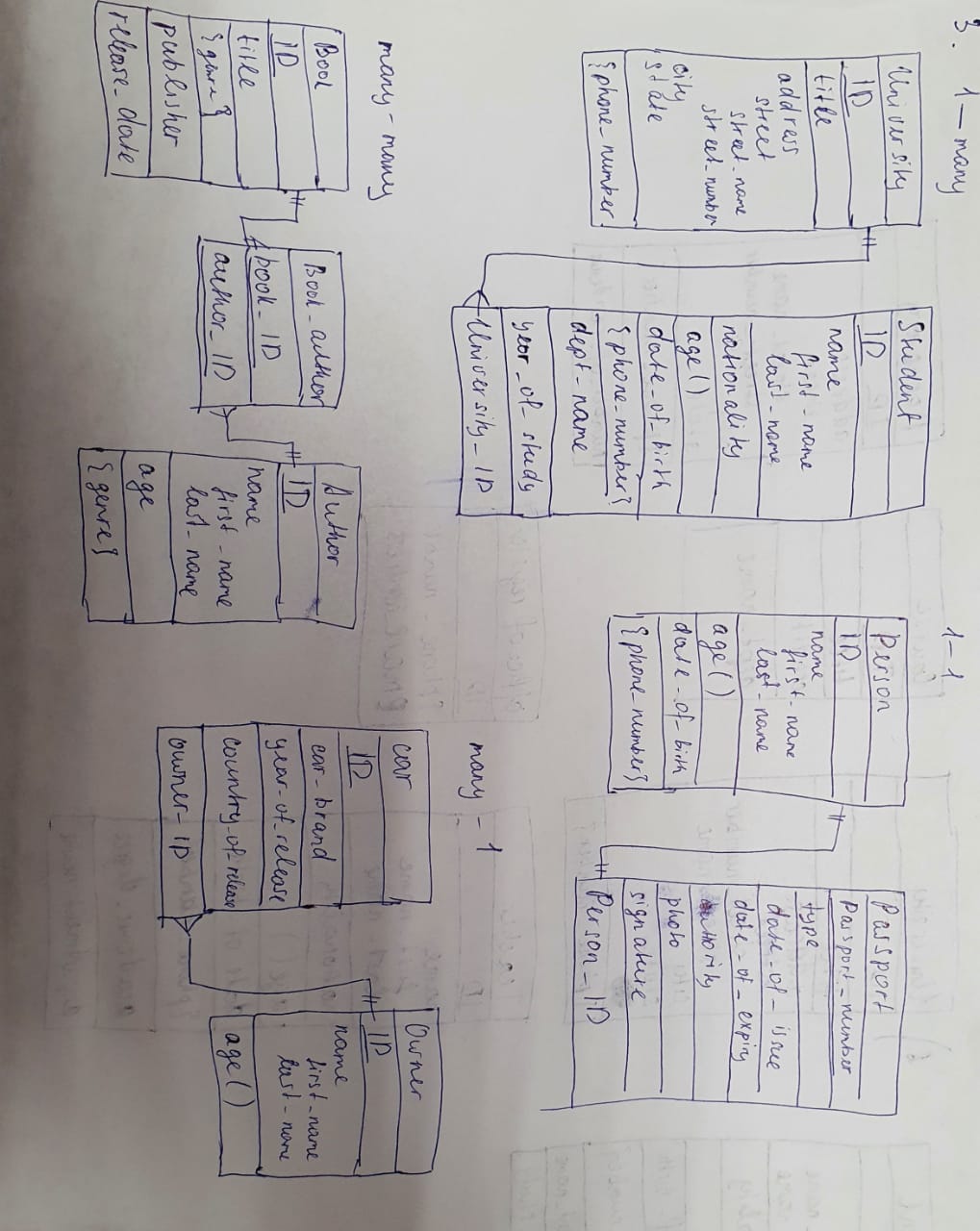
–What relation schemas should we have and how should the attributes be distributed among the various relation schemas?

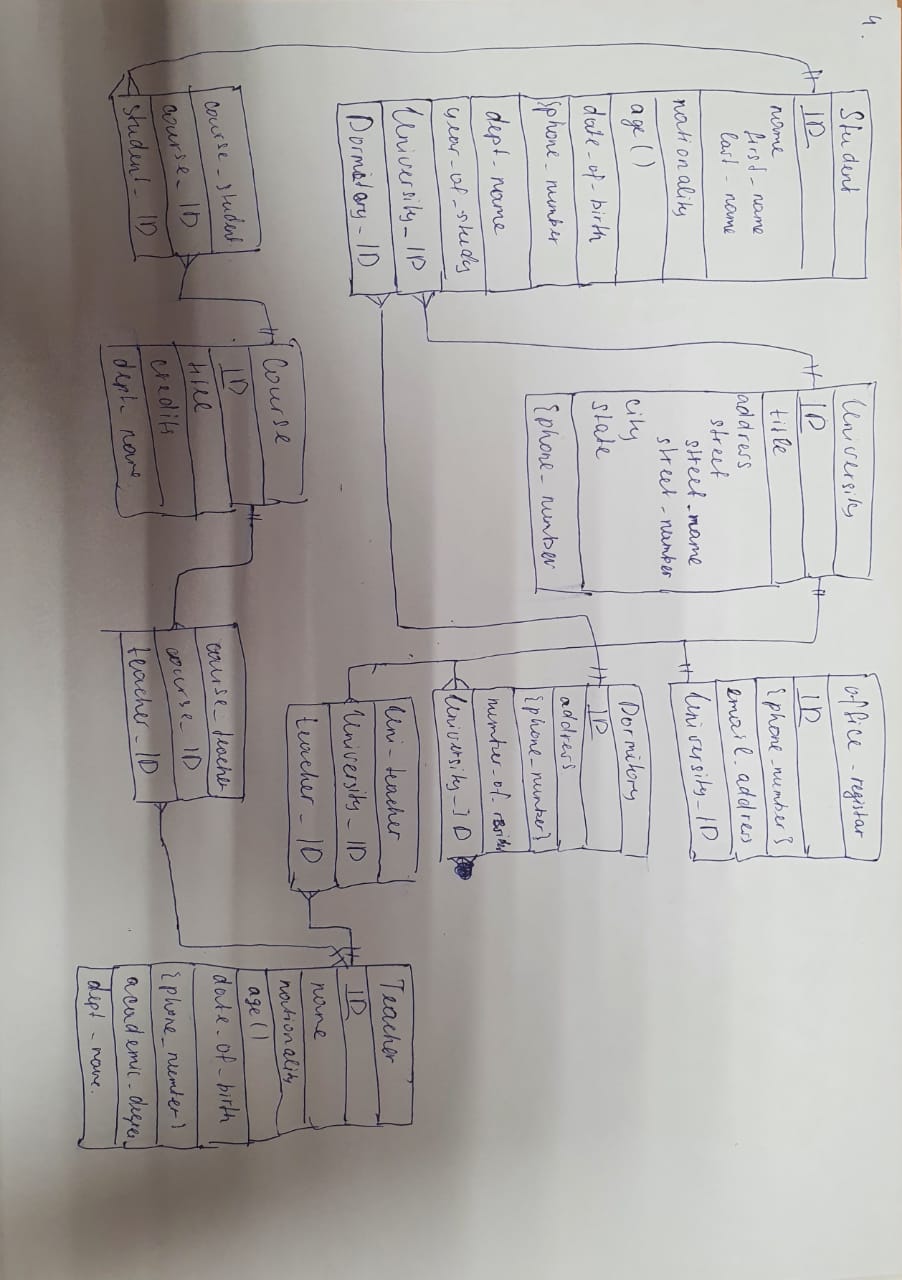
Physical Design – Deciding on the physical layout of the database

An **entity–relationship model** (or **ER model**) describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types (which classify the things of interest) and specifies relationships that can exist between [entities](https://en.wiktionary.org/wiki/entity) (instances of those entity types).

Изображение выглядит как текст, доска

Автоматически созданное описание





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