Databases

Database Design Using E-R Model: Exercises

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Outline

- Exercise #1: Car Insurance Company
- Exercise #2: Bad Bank Checks

Exercise #1

In a car insurance company, customers own one or more cars each. Each car has associated with it zero to any number of recorded accidents. Each insurance policy covers one or more cars and has one or more premium payments associated with it. Each payment is for a particular period of time, and has an associated due date, and the date when the payment was received.

- TODO:
  - Draw the E-R diagram

Exercise #2

A company that keeps track of people who use bad checks, intends to build a database that allows storing the information needed to achieve the business objectives. This database should allow storing information about the person who wrote the check, about the check itself and the associated account, and about the person harmed by the check (victim). Some of the information to consider is:

- – *ID card number, name, address and phone of the offender*

- – *Number of the check, date, amount*

- – *Account number, agency and bank name;*

- – *Fiscal number (NIF), name, address and phone of the victim*
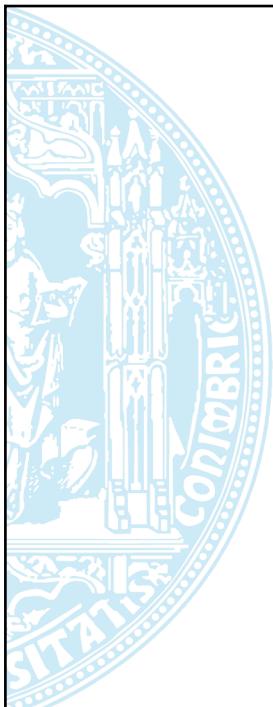
- TODO:

  - – Draw the E-R diagram

Q&A

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