Entity-Relationship Model

The aim of this activity is to identify entities with their attributes and relationships among entities in different real world situations.

- In a hospital, doctors (characterized by an ID, name and surname) take care of patients (with a code name), who have diseases (that is encoded with a number and have a technical name and a common name).
- A shop sells computer products, which have a bar code and a price associated. In the shop, there are employees, who have an ID and a name. The shop also has suppliers that are characterized by a name and have a telephone number.
- A messenger service has messengers and administrative officers. The messengers have associated bikes and the administrative officers, computers (identified by a number code). The administrative receive packages from clients and give them to messengers associated to the zone where the package is destined. The messengers take a bike and take the package to the recipient. The packages have an associated weight and a recipient. The bikes have an identification number and cylinder capacity. The recipient has a name and address associated.

Procedure:

1. Identify entities
2. Identify attributes
3. Identify relationships