The following describe a HOSPITAL database system.

A hospital may or may not have multiple branches. Each hospital is identified by its id and address. Each hospital is specialized in some category .Each hospital has number of rooms. Each hospital has many doctors and patients. Each patient their own bill. Each hospital also has workers who work for the hospital. Finally, each hospital has zero or one pharmacies.

Hospitals are identified by id, name, and their address.

Doctors are identified by id, name and date of birth and thy work in one or more branches. Each doctor is specialised in one category.

Patients are also identified by id, name and date of birth and treated by one or more doctors. Workers are identified by id, name.

Pharmacies are identified by id, name, and address.

LIST OF ENTITIES:

- ➢ Hospital Branch
- ➢ Hospital
- ➢ Rooms
- ➢ Doctors
- ➢ Doctors Speciality
- ➢ Patients
- ➢ Workers
- ➢ pharmacy

CARDINALITY:

- Hospital has 0 or many branches. (0 : M)
- Each hospital has its own speciality. (1 : 1)
- Each hospital has many doctors and many doctors work for different hospitals. (M : M)
- Each hospital has many rooms. (1 : M)
- Each doctor treats at least 1 patient or many and each patient is treated by at least 1 or many doctors. (M : M)
- Each doctor is specialized in one category. (1 : 1)
- Each hospital has many workers. (1 : M)
- Each hospital has zero or one pharmacy. (1 : 1)