

HOSPITAL DATABASE PROJECT

PROJECT MEMBERS:

1-AMER SAMAMH

2-OSAMA SHAWESH

3-YOUSEF FAQOSA

4-OSAMA SAOALMA

5-MOHAMAD BNE-HASAN

Data requirements of the hospital Database

1-The hospital is organized into DEPARTMENTS:

- A. Each department has a unique number, unique name, and an doctor who manages the department.
- B. We keep track of the start date of the department manager.

2-The database will store each EMPLOYEE's social security number (unique), address (Country, State, City, and ZipCode), name (First name, Middle name, and Last name), salary, gender, birthdate, and age.

- A. The employee can be an administrator, doctor, nurse or worker
- B. Each employee may have a one or more addresses.

3- Patient: Stores information about patients,(unique) patient ID, name (Fname,Lname) , and address, gender, age.

- A. The patient can be a person who is not insured with health insurance, or be insured, or be a dependent on from an insured person.
- B. Each patient can be treated by multiple doctors and Each doctor can treat multiple patients.

4- Doctor: Contains details about doctors, such as (unique) doctor ID , specialization.

- A. Each doctor belongs to only one department but Each department can have multiple doctors.

5- Insurance: Contains details about patient insurance, including (unique) insurance ID, insurance company, and coverage details.

- A. a. Each patient may have a number of dependents. For each dependent, DB keeps a record First name, gender, date of birth, relationship to the patient, and degree of insurance for each dependent.
- B. Each insurance policy can cover multiple patients but Each patient can be covered by multiple insurance policies.

6-Appointment: Represents individual appointments made by patients, appointment ID, appointment date, and duration.

- A. Each doctor can schedule multiple appointments and Each appointment is scheduled by only one doctor.

7- Clinic: Stores information about clinics or medical facilities, including (unique) clinic ID, name, and address.

- A. Each doctor can work at multiple clinics and Each clinic can have multiple doctors working there.
- B. Each patient can visit multiple clinics but Each clinic can be visited by multiple patients.

8- Medical Record: Contains details about the medical records of patients, including (unique) record ID, patient ID, and medical history.

- A. Each patient can have multiple medical records but Each medical record belongs to only one patient.

9- Prescription: Represents prescriptions issued to patients, with (unique) prescription ID, patient ID, and medication details.

- A. Each doctor can prescribe multiple medications but Each prescription is issued by only one doctor.

10- Test: Stores information about medical tests, including (unique) test ID, test type, and test results.

- A. Each test can be performed by multiple doctors or technicians but Each doctor or technician can perform multiple tests.



