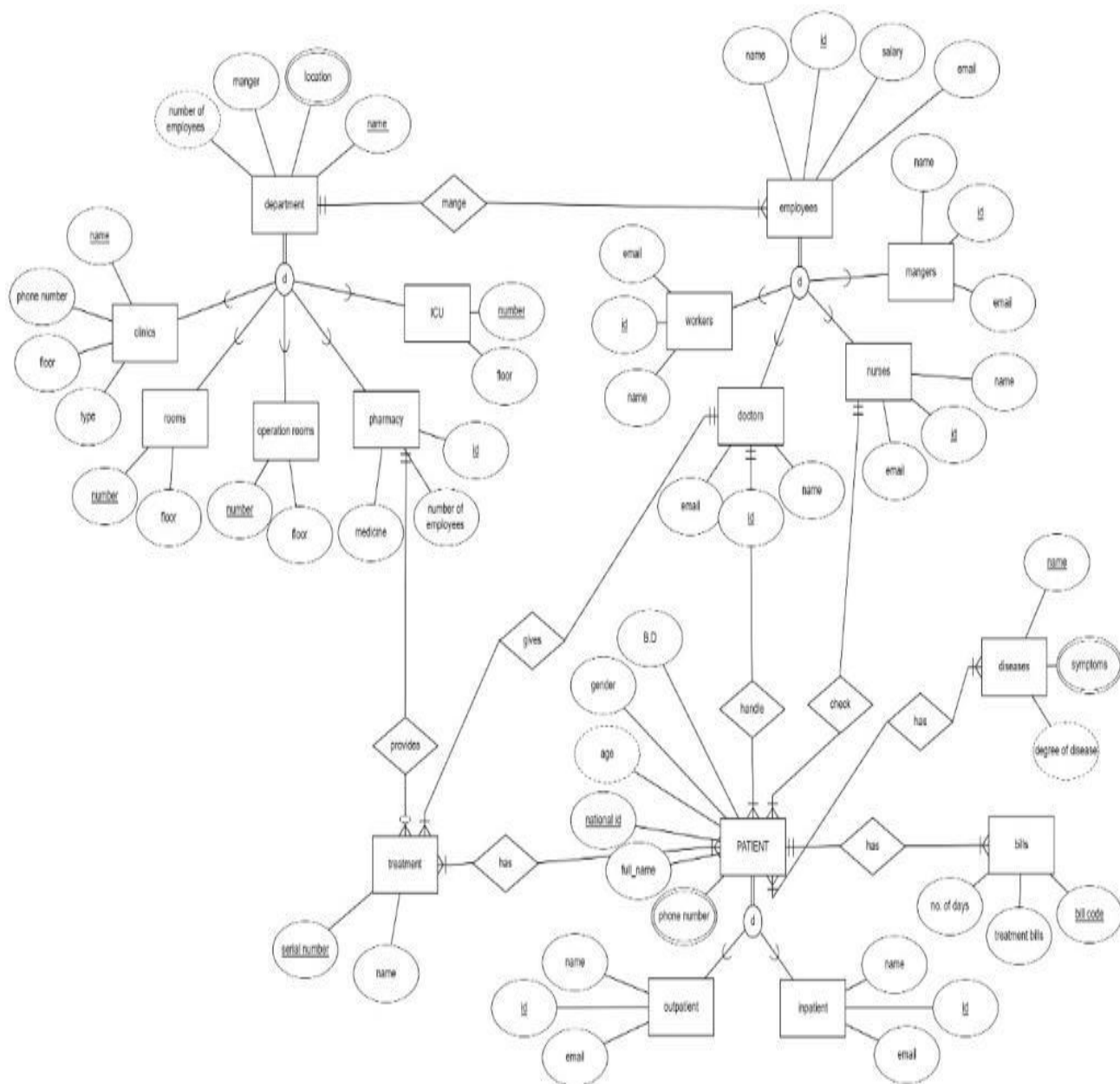


ERD diagram:



ERD DIAGRAM DESCRIPTION:

There is an entity called department this type is super entity has a one to many relationship with the

,Entity that called employees also employees are super entity

The clinics entity are subtype entity have attributes

(The rooms entity are subtype entity

The operation rooms entity are subtype

The ICU entity are subtype entity

The pharmacy entity are subtype entity also have One to many relationship with treatment entity . Treatment entity include some attributes as (serial number,name) also treatment entity has many to .many relationship with patient

The patient entity are super type entity.

Patient entity has one to many relationship with bills entity

Also patient entity has many to many relationship with disease entity and There is an entity called employees this entity has many to one relationship with department entity

And this are super type entity have some of subtype entities like:

1-workers

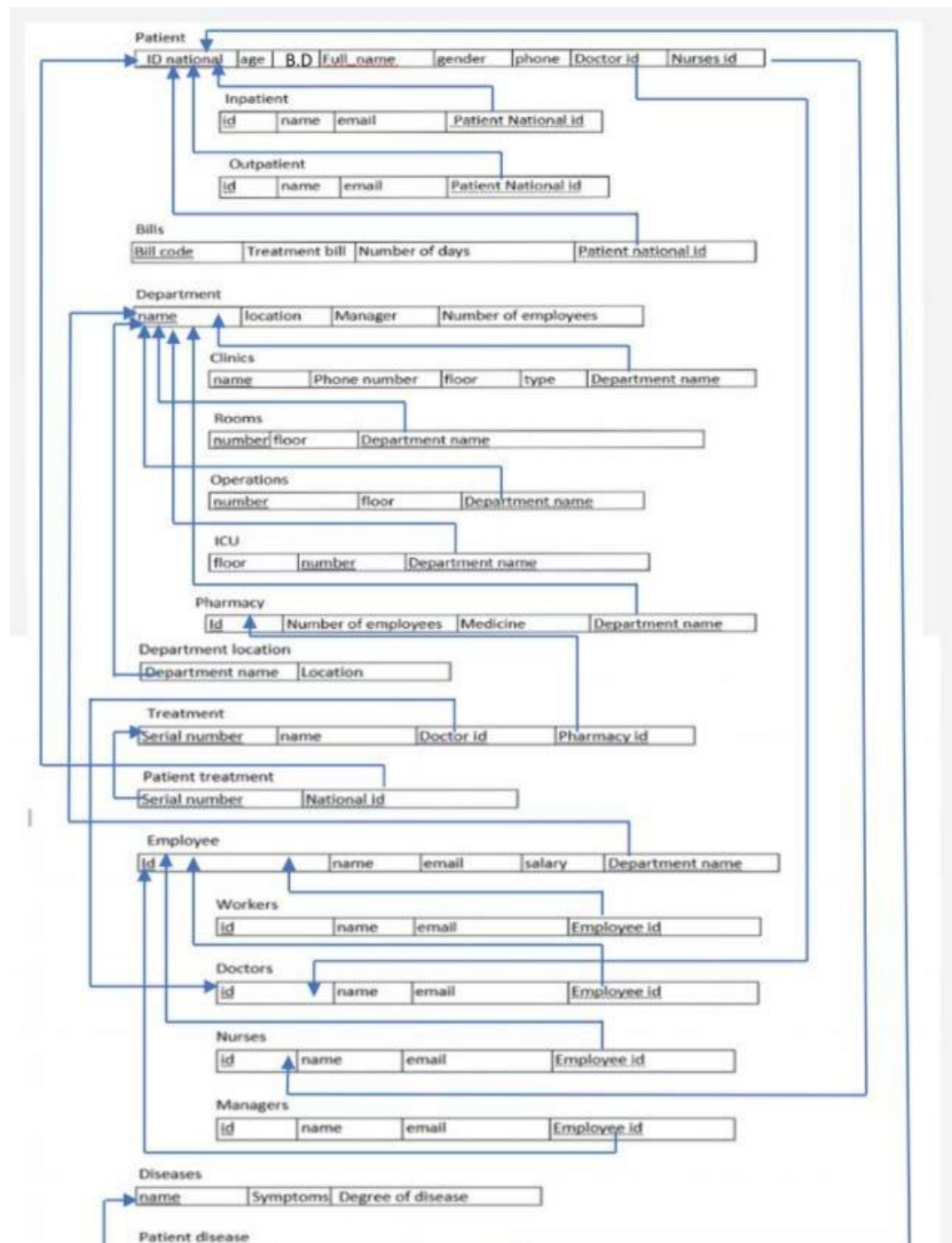
2-doctors

3-nurses

4-mangers

The doctor entity and nurses entity both have a one to many relationship with patient entity

MAPPING:



Business rule:

Department(supertype entity) and this attributes (number of employees,manger,location,name)

Clinics (subtype entity) and this attributes (name,phonenummer,floor,type)

Rooms(subtype entity) and this attributes (number,floor)

Operation rooms (subtype entity) and this attributes (number,floor)

Pharmacy (subtype entity) and this attributes (medicine, number of employees, id)

ICU (subtype entity) and this attributes (floor, number)

Treatment (serial number, name)

Employees (supertype entity) and this attributes (email, salary, id,name)

Mangers(sub type entity) and this attributes (name,id,email)

Nurses (subtype entity) and this attributes (name,id,email)

Doctors(subtype entity) and this attributes (name,email,id)

Workers (subtype entity) and this attributes (email,name,id)

Patient(super type entity) and this attributes (phone number, full-name, national id, age, gender, B.D)

Outpatient(sub type entity) and this attributes (name,id,email)

Inpatient (sub type entity) and this attributes (name, id, email)

Bills entity and this attributes (number of days, treatment bills,billcode)

Diseases and this attributes (name,symptoms,degree of diseases).