

Hospital Management System

Entities :

1. User :

email

username (Unique)

password

user_mode

2. Patient :

patient_id

email (Foreign key)

name

height

weight

blood_group

diseases

past_medical_history

address

contact_number

3. Hospital :

hospital_name

email (Foreign key)

location

address

total_doctors()

total_staff()

specialities

available_beds()

insurance_policies

cashless

{contact_number}

4. Doctor :

doctor registration number

name

email (Foreign key)

qualification

specialization

institute

address

contact_number

5. Staff (weak entity set):

Nurses

Pharmacists

Lab_assisants

Interns

OT_technicians

6. Pharmacy :

email

pharmacy_name

contact_number

7. Medicine :

medicine_name

brand_name

8. Beds (weak entity set):

ICU

IICU

Operation_theatre

General ward

9. Laboratory :

email

lab_name

contact_number

instruments

10. Ambulance Driver :

email

contact_number

licence

vehicle_number

11. Government Agency :

email

agency_name

Relations :

1. works:

doctor registration number

email (hospital)

working_day

working_hours

salary

2. has_pharma:

email (hospital)

email (Pharmacy)

3. Stores:

email (Pharmacy)

medicine_name

stock

4. manages (identifying relation):

email (hospital)

Nurses

Pharmacists

Lab_assisants

Interns

OT_technicians

5. has_beds (identifying relation):

email (hospital)

ICU

IICU

Operation_theatre

General ward

7. has_lab:

email (hospital)

email (Laboratory)

8. appoints:

appointment_id

patient_id (Foreign key)

doctor_registration_number (Foreign key)

time

date