medical_equipments

equipment_id	int
equipment_name	varchar
group_name	EquipmentGroup E
description	text
manufacturing_date	date
expiration_date	date
is_occupied	boolean
occupied_by	int
is_active	boolean

appointments

appointment_id	int
doctor_id	int
patient_id	int
appointment_time	datetime
appointment_duration	time
appointment_type	AppointmentType E
appointment_venue_info	varchar
notes	varchar
status	AppointmentStatus E

medicines

medicine_id	int
medicine_name	varchar
generic_name	varchar
manufacturer	varchar
manufacturing_date	date
expiration_date	date
medicine_type	MedicineType E
is_occupied	boolean
occupied_by	int
is_active	boolean

resource_allocations

allocation_id	int
doctor_id	int
room_id	int
medicine_id	int
equipment_id	int
allocation_date	datetime

recommendations

recommendation_id	int
patient_id	int
treatment_plan	text
diagnosis	text
involved_doctor	int
recommendation_date	date

doctor_availability

availability_id	int
doctor_id	int
day_of_week	Week E
start_time	time
end_time	time
is_active	boolean

health_records

record_id	int
patient_id	int
checkup_date	datetime
next_checkup_date	datetime
patient_height	double
patient_weight	double
patient_systolic_pressure	int
patient_diastolic_pressure	int
patient_heart_rate	int
patient_temparature	double
patient_allergy_severity	AllergySeverity
patient_glucose_level	double
is_vaccinated	boolean
smoker	boolean
alcohol_consumer	boolean
status	varchar

HealthGoals

goal_id	int
patient_id	int
goal_description	text
status	varchar

doctor_spacialities

doctor_spaciality_id	int
doctor_id	int
speciality_id	int

rooms

room_id	int
room_number	varchar
description	text
is_occupied	boolean
occupied_by	int

patients

patient_id	int
user_id	int
is_approved	boolean

doctors

doctor_id	int
user_id	int
career_title	varchar
specility	varchar
designation	varchar
education	varchar
status	varchar

specialities

speciality_id	int
speciality_name	varchar

feedback_posts

feedback_id	int
patient_id	int
community_id	int
feedback_text	text
feedback_timestamp	datetime

users

user_id	int
first_name	varchar
last_name	varchar
email	varchar
password	varchar
date_of_birth	date
gender	varchar
blood_group	varchar
phone_no	varchar
address	varchar
role	Role E
is_active	boolean

departments

department_id	int
department_name	varchar

doctor_departments

doctor_department_id	int
doctor_id	int
department_id	int

communities

community_id	int
community_name	varchar
community_description	text

medical_equipments

equipment_id	int
equipment_name	varchar
group_name	EquipmentGroup E
description	text
manufacturing_date	date
expiration_date	date
is_occupied	boolean
occupied_by	int
is_active	boolean

appointments

appointment_id	int
doctor_id	int
patient_id	int
appointment_time	datetime
appointment_duration	time
appointment_type	AppointmentType E
appointment_venue_info	varchar
notes	varchar
status	AppointmentStatus E

recommendations

recommendation_id	int
patient_id	int
treatment_plan	text
diagnosis	text
involved_doctor	int
recommendation_date	date

health_records

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next_checkup_date	datetime
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patient_weight	double
patient_systolic_pressure	int
patient_diastolic_pressure	int
patient_heart_rate	int
patient_temparature	double
patient_allergy_severity	AllergySeverity
patient_glucose_level	double
is_vaccinated	boolean
smoker	boolean
alcohol_consumer	boolean
status	varchar

HealthGoals

goal_id	int
patient_id	int
goal_description	text
status	varchar

patients

patient_id	int
user_id	int
is_approved	boolean

feedback_posts

feedback_id	int
patient_id	int
community_id	int
feedback_text	text
feedback_timestamp	datetime

communities

community_id	int
community_name	varchar
community_description	text

doctor_availability

availability_id	int
doctor_id	int
day_of_week	Week E
start_time	time
end_time	time
is_active	boolean

medicines

medicine_id	int
medicine_name	varchar
generic_name	varchar
manufacturer	varchar
manufacturing_date	date
expiration_date	date
medicine_type	MedicineType E
is_occupied	boolean
occupied_by	int
is_active	boolean

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user_id	int
first_name	varchar
last_name	varchar
email	varchar
password	varchar
date_of_birth	date
gender	varchar
blood_group	varchar
phone_no	varchar
address	varchar
role	Role E
is_active	boolean

doctors

doctor_id	int
user_id	int
career_title	varchar
specility	varchar
designation	varchar
education	varchar
status	varchar

doctor_spacialities

doctor_spaciality_id	int
doctor_id	int
speciality_id	int

specialities

specility_id	int
specility_name	varchar

doctor_departments

doctor_department_id	int
doctor_id	int
department_id	int

departments

department_id	int
department_name	varchar

resource_allocations

allocation_id	int
doctor_id	int
room_id	int
medicine_id	int
equipment_id	int
allocation_date	datetime

rooms

room_id	int
room_number	varchar
description	text
is_occupied	boolean
occupied_by	int

```
Enum Role {
    Admin
    Patient
    Doctor
}


Enum AppointmentStatus {
    Confirmed
    Pending
    Canceled
    Completed
    Absent
}


Enum AppointmentType {
    InPerson
    Telemedicine
}


Enum Week {
    Monday
    Tuesday
    Wednesday
    Thursday
    Friday
    Saturday
    Sunday
}

Enum MedicineType {
    Tablet
    Capsule
    Syrup
    Injection
}


Enum EquipmentGroup {
    Laboratory_Equipment
    Surgical_Equipment
    Diagnostic_Equipment
}
```