receptionists

column	type	
id	bigserial	
user_id	bigint	NN

doctors

column	type	
id	bigserial	
user_id	bigint	NN
specialty	varchar(100)	
bio	text	
availability_status	doctor_status E	NN
updated_at	timestamptz	NN

users

column	type	
id	bigserial	
national_id	char(9)	
full_name	varchar(100)	NN
email	varchar(320)	
password_hash	text	NN
role	role_type E	NN
phone	varchar(20)	
gender	gender_type E	
is_active	boolean	NN
last_login	timestamptz	
created_at	timestamptz	NN
updated_at	timestamptz	NN

pharmacists

column	type	
id	bigserial	
user_id	bigint	NN

patients

column	type	
id	bigserial	
user_id	bigint	NN
date_of_birth	date	NN
medical_history	text	
updated_at	timestamptz	NN

appointments

column	type	
id	bigserial	
doctor_id	bigint	NN
patient_id	bigint	NN
appointment_date	timestamptz	NN
duration_minutes	int	NN
status	appt_status E	NN
location	varchar(100)	
created_by	bigint	
created_at	timestamptz	NN
updated_at	timestamptz	NN
appt_range	text	

activity_logs

column	type	
id	bigserial	
user_id	bigint	
action	text	NN
entity_type	varchar(50)	
entity_id	bigint	
metadata	jsonb	
created_at	timestamptz	NN

medicine_batches

column	type	
id	bigserial	
medicine_id	bigint	NN
batch_no	varchar(50)	NN
expiry_date	date	NN
quantity	int	NN
received_at	timestamptz	NN

inventory_transactions

column	type	
id	bigserial	
medicine_id	bigint	NN
batch_id	bigint	
qty_change	int	NN
reason	text	NN
ref_type	text	
ref_id	bigint	
created_at	timestamptz	NN

prescriptions

column	type	
id	bigserial	
appointment_id	bigint	NN
doctor_id	bigint	NN
patient_id	bigint	NN
pharmacist_id	bigint	
status	prescription_status E	NN
decision_at	timestamptz	
decision_note	text	
notes	text	
created_at	timestamptz	NN
approved_at	timestamptz	
dispensed_at	timestamptz	
approved_by	bigint	
dispensed_by	bigint	

prescription_items

column	type	
id	bigserial	
prescription_id	bigint	NN
medicine_id	bigint	
medicine_name	varchar(100)	NN
dosage	varchar(50)	NN
quantity	int	NN
qty_dispensed	int	NN
status	item_status2 E	NN
batch_id	bigint	

medicines

column	type	
id	bigserial	
name	varchar(100)	NN
description	text	
available_quantity	int	NN
created_at	timestamptz	NN
updated_at	timestamptz	NN

receptionists

column	type	
id 🔑	bigserial	
user_id 🔗	bigint	NN

doctors

column	type	
id 🔑	bigserial	
user_id 🔗	bigint	NN
specialty	varchar(100)	
bio	text	
availability_status	doctor_status E	NN
updated_at	timestamptz	NN

users

column	type	
id 🔑	bigserial	
national_id	char(9)	
full_name	varchar(100)	NN
email	varchar(320)	
password_hash	text	NN
role	role_type E	NN
phone	varchar(20)	
gender	gender_type E	
is_active	boolean	NN
last_login	timestamptz	
created_at	timestamptz	NN
updated_at	timestamptz	NN

pharmacists

column	type	
id 🔑	bigserial	
user_id 🔗	bigint	NN

patients

column	type	
id 🔑	bigserial	
user_id 🔗	bigint	NN
date_of_birth	date	NN
medical_history	text	
updated_at	timestamptz	NN

appointments

column	type	
id 🔑	bigserial	
doctor_id 🔗	bigint	NN
patient_id 🔗	bigint	NN
appointment_date	timestamptz	NN
duration_minutes	int	NN
status	appt_status E	NN
location	varchar(100)	
created_by 🔗	bigint	
created_at	timestamptz	NN
updated_at	timestamptz	NN
appt_range	text	

activity_logs

column	type	
id 🔑	bigserial	
user_id 🔗	bigint	
action	text	NN
entity_type	varchar(50)	
entity_id	bigint	
metadata	jsonb	
created_at	timestamptz	NN

prescriptions

column	type	
id 🔑	bigserial	
appointment_id 🔗	bigint	NN
doctor_id 🔗	bigint	NN
patient_id 🔗	bigint	NN
pharmacist_id 🔗	bigint	
status	prescription_status E	NN
decision_at	timestamptz	
decision_note	text	
notes	text	
created_at	timestamptz	NN
approved_at	timestamptz	
dispensed_at	timestamptz	
approved_by 🔗	bigint	
dispensed_by 🔗	bigint	

medicine_batches

column	type	
id 🔑	bigserial	
medicine_id 🔗	bigint	NN
batch_no	varchar(50)	NN
expiry_date	date	NN
quantity	int	NN
received_at	timestamptz	NN

prescription_items

column	type	
id 🔑	bigserial	
prescription_id 🔗	bigint	NN
medicine_id 🔗	bigint	
medicine_name	varchar(100)	NN
dosage	varchar(50)	NN
quantity	int	NN
qty_dispensed	int	NN
status	item_status2 E	NN
batch_id 🔗	bigint	

inventory_transactions

column	type	
id 🔑	bigserial	
medicine_id 🔗	bigint	NN
batch_id 🔗	bigint	
qty_change	int	NN
reason	text	NN
ref_type	text	
ref_id 🔗	bigint	
created_at	timestamptz	NN

medicines

column	type	
id 🔑	bigserial	
name	varchar(100)	NN
description	text	
available_quantity	int	NN
created_at	timestamptz	NN
updated_at	timestamptz	NN

```
Enum role_type {
    ADMIN
    DOCTOR
    RECEPTIONIST
    PHARMACIST
    PATIENT
}


Enum appt_status {
    PENDING
    SCHEDULED
    COMPLETED
    CANCELLED
    NO_SHOW
}



Enum prescription_status {
    PENDING
    APPROVED
    REJECTED
    DISPENSED
}



Enum item_status2 {
    PENDING
    PARTIAL
    DISPENSED
    CANCELLED
}
```

```
Enum gender_type {
    MALE
    FEMALE
}



Enum doctor_status {
    AVAILABLE
    IN_APPOINTMENT
    ON_BREAK
}
```