Entity-Relationship Diagram

Medications
PK	MEDICATION_ID	NOT NULL
FK	MEDICATION_NAME	
FK	DOSAGE	
FK	PRICE	
FK	STOCK_QUANTITY	
FK	TREATMENT_ID	

Patients
PK	PATIENT_ID	NOT NULL
FK	PATIENT_NAME	NOT NULL, CHAR(50)
FK	AGE	NOT NULL
FK	GENDER	
FK		
FK		

Billing
PK	BILL_ID	NOT NULL
FK	PATIENT_ID	
FK	BILL_DATE	
FK	TOTAL_AMOUNT	
FK	PAYMENT_STATUS	

Rooms
PK	ROOM_ID	NOT NULL
FK	ROOM_NUMBER	NOT NULL
FK	DEPARTMENT_ID	NOT NULL
FK	IS_OCCUPIED	NOT NULL

LaboratoryTests
PK	TEST_ID	NOT NULL
FK	PATIENT_ID	
FK	TEST_NAME	
FK	TEST_DATE	
FK	RESULT	

Departments
PK	DEPARTMENT_ID	NOT NULL
FK	DEPARTMENT_NAME	
FK	FLOOR_NUMBER	

Nurses
PK	NURSE_ID	NOT NULL
FK	NURSE_NAME	
FK	PHONE_NUMBER	
FK	DEPARTMENT_ID	

Treatments
PK	TREATMENT_ID	NOT NULL
FK	PATIENT_ID	
FK	DOCTOR_ID	
FK	TREATMENT_DESCRIPTION	
FK	START_DATE	
FK	END_DATE	

Appointments
PK	APPOINTMENT_ID	NOT NULL
FK	PATIENT_ID	
FK	DOCTOR_ID	
FK	APPOINTMENT_DATE	
FK	STATUS	

Doctors
PK	DOCTOR_ID	NOT NULL
FK	DOCTOR_NAME	
FK	SPECIALITY	
FK	PHONE_NUMBER	
FK	EMAIL	