CREATE DATABASE hospital\_management3d;

USE hospital\_management3d;

CREATE TABLE admin (

id INT NOT NULL AUTO\_INCREMENT,

username VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

role VARCHAR(50) DEFAULT 'Admin',

PRIMARY KEY (id)

);

CREATE TABLE appointments (

appointmentID INT NOT NULL AUTO\_INCREMENT,

patientID INT NOT NULL,

doctorID INT NOT NULL,

date DATE NOT NULL,

time TIME NOT NULL,

PRIMARY KEY (appointmentID),

FOREIGN KEY (doctorID) REFERENCES doctors(doctor\_id) ON DELETE CASCADE

);

CREATE TABLE billing (

billID INT NOT NULL AUTO\_INCREMENT,

patientID INT NOT NULL,

doctorFee DECIMAL(10, 2) NOT NULL,

roomFee DECIMAL(10, 2) NOT NULL,

additionalCharges DECIMAL(10, 2),

totalAmount DECIMAL(10, 2) AS (doctorFee + roomFee + IFNULL(additionalCharges, 0)) STORED,

PRIMARY KEY (billID)

);

CREATE TABLE doctorprescriptions (

prescriptionID INT NOT NULL AUTO\_INCREMENT,

patientID INT NOT NULL,

doctorID INT NOT NULL,

prescriptionDetails TEXT,

treatmentSchedule TEXT,

PRIMARY KEY (prescriptionID)

);

CREATE TABLE doctors (

doctor\_id INT NOT NULL AUTO\_INCREMENT,

name VARCHAR(255) NOT NULL,

password VARCHAR(255),

role ENUM('Doctor', 'Admin', 'Receptionist', 'Patient', 'Pharmacist') NOT NULL,

PRIMARY KEY (doctor\_id)

);

CREATE TABLE medicalrecords (

recordID INT NOT NULL AUTO\_INCREMENT,

patientID INT NOT NULL,

doctorID INT NOT NULL,

diagnosis TEXT,

prescription TEXT,

treatmentDetails TEXT,

PRIMARY KEY (recordID)

);

CREATE TABLE patientinformation (

id INT NOT NULL AUTO\_INCREMENT,

patientID INT NOT NULL,

name VARCHAR(100),

age INT,

gender ENUM('Male', 'Female'), -- Removed 'Other' option

medicalHistory TEXT,

PRIMARY KEY (id),

FOREIGN KEY (patientID) REFERENCES patients(patientID) ON DELETE CASCADE

);

CREATE TABLE patients (

patientID INT NOT NULL AUTO\_INCREMENT,

username VARCHAR(50) NOT NULL UNIQUE,

password VARCHAR(50) NOT NULL,

role ENUM('Patient', 'Admin', 'Receptionist', 'Doctor', 'Pharmacist') NOT NULL,

PRIMARY KEY (patientID)

);

CREATE TABLE pharmacist (

pharmacistID INT NOT NULL AUTO\_INCREMENT,

username VARCHAR(50) NOT NULL UNIQUE,

password VARCHAR(50) NOT NULL,

role ENUM('Pharmacist', 'Admin', 'Receptionist', 'Doctor', 'Patient') NOT NULL,

PRIMARY KEY (pharmacistID)

);

CREATE TABLE pharmacyinfo (

prescriptionID INT NOT NULL,

patientID INT NOT NULL,

medicationCost DECIMAL(10, 2),

serviceCharges DECIMAL(10, 2),

issueDate DATE,

details TEXT,

prescriptionstatus VARCHAR(50),

PRIMARY KEY (prescriptionID)

);

CREATE TABLE receptionists (

receptionistID INT NOT NULL AUTO\_INCREMENT,

name VARCHAR(100),

shiftTime VARCHAR(50),

contactNumber VARCHAR(15),

assignedDepartment VARCHAR(100),

availability ENUM('Available', 'Unavailable') DEFAULT 'Available',

PRIMARY KEY (receptionistID)

);

CREATE TABLE recertionistdata (

receptionist\_id INT NOT NULL AUTO\_INCREMENT,

name VARCHAR(225) NOT NULL,

password VARCHAR(225),

role ENUM('Receptionist', 'Admin', 'Patient', 'Doctor', 'Pharmacist') NOT NULL,

PRIMARY KEY (receptionist\_id)

);

CREATE TABLE rooms (

roomType ENUM('Single', 'Double') NOT NULL,

patientID INT,

availability TINYINT(1) DEFAULT 1,

roomid ENUM('1', '2', '3', '4', '5', '6') NOT NULL,

PRIMARY KEY (roomid)

);

CREATE TABLE users (

id INT NOT NULL AUTO\_INCREMENT,

username VARCHAR(50) NOT NULL UNIQUE,

password VARCHAR(50) NOT NULL,

role ENUM('Admin', 'Receptionist', 'Doctor', 'Pharmacist') NOT NULL,

PRIMARY KEY (id)

);