import java.util.ArrayList;

import java.util.List;

class Patient {

private String name;

private String email;

private List<Appointment> appointments;

public Patient(String name, String email) {

this.name = name;

this.email = email;

this.appointments = new ArrayList<>();

}

public void scheduleAppointment(Doctor doctor, String date) {

Appointment appointment = new Appointment(doctor, date);

appointments.add(appointment);

}

// Other patient-related methods (e.g., view appointments, access records, etc.)

}

class Doctor {

private String name;

private String specialization;

public Doctor(String name, String specialization) {

this.name = name;

this.specialization = specialization;

}

// Other doctor-related methods (e.g., provide medical services, access patient records, etc.)

}

class Appointment {

private Doctor doctor;

private String date;

public Appointment(Doctor doctor, String date) {

this.doctor = doctor;

this.date = date;

}

// Other appointment-related methods (e.g., cancel appointment, reschedule, etc.)

}

public class VirtualMedicineHome {

public static void main(String[] args) {

// Example usage:

Doctor cardiologist = new Doctor("Dr. Smith", "Cardiology");

Patient patient = new Patient("Alice", "alice@email.com");

patient.scheduleAppointment(cardiologist, "2024-05-30 10:00 AM");

// Additional logic and interactions can be added here

}

}