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class AppointmentScheduler:
    def __init__(self):
        self.appointments = {}

    def schedule_appointment(self, patient_name, doctor_name,
date_time):
        if date_time in self.appointments:
            print("Appointment slot already taken, please choose
another time.")
        else:
            self.appointments[date_time] = (patient_name, doctor_name)
            print("Appointment scheduled for", date_time)

    def cancel_appointment(self, date_time):
        if date_time in self.appointments:
            del self.appointments[date_time]
            print("Appointment cancelled for", date_time)
        else:
            print("No appointment found for", date_time)

    def view_appointments(self):
        for date_time, (patient_name, doctor_name) in
self.appointments.items():
            print("Date:", date_time, "Patient:", patient_name,
"Doctor:", doctor_name)

# Example usage
scheduler = AppointmentScheduler()
scheduler.schedule_appointment("John Doe", "Dr. Smith", "2022-12-01
10:00")
scheduler.schedule_appointment("Jane Smith", "Dr. Johnson", "2022-12-
02 11:00")
scheduler.view_appointments()
scheduler.cancel_appointment("2022-12-01 10:00")
scheduler.view_appointments()

Appointment scheduled for 2022-12-01 10:00
Appointment scheduled for 2022-12-02 11:00
Date: 2022-12-01 10:00 Patient: John Doe Doctor: Dr. Smith
Date: 2022-12-02 11:00 Patient: Jane Smith Doctor: Dr. Johnson
Appointment cancelled for 2022-12-01 10:00
Date: 2022-12-02 11:00 Patient: Jane Smith Doctor: Dr. Johnson

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