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Appointment rescheduled to 2023-10-21
Appointment rescheduled to 2023-10-26 at 3:00 PM
=== 8. UPDATE INFO OVERLOADING ===
Updated phone number for John Doe
Updated contact information for Mary Smith
=== 9. DETAILED INFORMATION ===
=== MEDICAL STAFF ===
Ronie Manaongsong: ronie@humanclinic.com, 555-1234, Martinez phase 11, DOB: 2005-05-1
5. Gender: Male, Staff ID: DOC001, Department: Cardiology, Hire Date: 2010-03-20, Spe
cialization: Cardiologist, License: MD12345, Experience: 15 years
Dec Butong: Dec@humanclinic.com, 555-5678, Martinez phase 4, DOB: 1985-08-22, Gender:
Male, Staff ID: NUR001, Department: Cardiology, Hire Date: 2015-06-10, Shift: Day, R
egistered: true
=== PATIENTS ===
John Doe: john@email.com, 555-9999, Manay, DOB: 1975-12-10, Gender: Male, Patient ID:
PAT001, Blood Type: O+, Emergency Contact: Jane Doe (555-0000), Insurance: Blue Cros
John Doe has allergies to: Penicillin, Shellfish
Mary Smith: mary@email.com, 555-8888, New Address, DOB: 1988-07-03, Gender: Female, P
atient ID: PAT002, Blood Type: A-, Emergency Contact: John Smith (555-1111), Insuranc
e: Aetna
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getRole() {
                return "Medical Staff":
            public String scheduleAppointment(String patientName) {
   return "Scheduling appointment for " + patientName;
           public String scheduleAppointment(String patientName, String date) {
   return "Scheduling appointment for " + patientName + " on " + date;
           public String scheduleAppointment(String patientName, String date, String ti
  return "Scheduling appointment for " + patientName + " on " + date + " a
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                                                          input
    HUMAN CLINIC SYSTEM - POLYMORPHISM DEMONSTRATION
=== 1. METHOD OVERRIDING (RUNTIME POLYMORPHISM) ===
Doctor specializing in Cardiologist - Dr. Ronie Manaongsong is diagnosing patients in the C
department.
Registered Nurse working Day shift - Nurse Dec Butong is providing patient care during the
Patient (ID: PAT001) - PAT001 - John Doe is receiving medical treatment.
Patient (ID: PAT002) - PAT002 - Mary Smith is receiving medical treatment.
=== 2. METHOD OVERLOADING (COMPILE-TIME POLYMORPHISM) ===
Dr. Ronie Manaongsong is prescribing Aspirin
Dr. Ronie Manaongsong is prescribing Aspirin at dosage 100mg
    Ronie Manaongsong is prescribing Aspirin at dosage 100mg for 30 days
Dec Butong is administering Insulin
Dec Butong is administering Insulin to Mary Smith
Dec Butong is administering 10 units of Insulin to Mary Smith
=== 3. DYNAMIC METHOD DISPATCH ===
Diagnosis Record: Generating diagnosis report for Angina (Severity: Moderate)
Treatment Plan Record: Generating treatment plan with 2 medications and 2 procedures
Consultation Appointment: Conducting consultation for: Follow-up for angina (Duration: 30 m
Procedure Appointment: Performing procedure: Cardiac catheterization (Anesthesia: true, Rec
mins)
=== 4. CONSTRUCTOR OVERLOADING ===
Simple person created: Test Person: Not provided, 555-9999, Not provided, DOB: 1990-01-01,
t specified
=== 5. CONTACT METHOD OVERLOADING ===
Contacting Ronie Manaongsong at ronie@humanclinic.com or 555-1234
Emailing Ronie Manaongsong at ronie@humanclinic.com
Calling Ronie Manaongsong at 555-1234
=== 6. SCHEDULING OVERLOADING ===
Scheduling appointment for Ronie
Scheduling appointment for Ronie on 2025-11-01
Scheduling appointment for Ronie on 2025-11-01 at 2:00 PM
=== 7. RESCHEDULE OVERLOADING ===
Appointment rescheduled to 2023-10-21
Appointment rescheduled to 2023-10-26 at 3:00 PM
=== 8. UPDATE INFO OVERLOADING ===
Updated phone number for John Doe
Updated contact information for Mary Smith
=== 9. DETAILED INFORMATION ===
=== MEDICAL STAFF ===
Ronie Manaongsong: ronie@humanclinic.com, 555-1234, Martinez phase 11, DOB: 2005-05-15, Gen
Staff ID: DOCOO1, Department: Cardiology, Hire Date: 2010-03-20, Specialization: Cardiolog
se: MD12345, Experience: 15 years
Dec Butong: Dec@humanclinic.com, 555-5678, Martinez phase 4, DOB: 1985-08-22, Gender: Male
NUR001, Department: Cardiology, Hire Date: 2015-06-10, Shift: Day, Registered: true
John Doe: john@email.com, 555-9999, Manay, DOB: 1975-12-10, Gender: Male, Patient ID: PAT00
vpe: O+. Emergency Contact: Jane Doe (555-0000). Insurance: Blue Cross
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