

notif001: Notification
notificationID = "NTF-2025-0042"
message = "Your appointment on May 10th at 10:00"
timestamp = "2025-05-07 09:15 AM"
type = "Appointment Confirmation"
status = "Unread"

task001: Task
taskID = "TASK-2025-0031"
description = "Record vital signs for patient mohamed..."
priority = "High"
dueDate = "2025-05-07"
status = "Assigned"

schedule Ahmed: Schedule
schedule ID = "SCH003"
date = "2025-05-15"
start Time = ""12:00 PM"
end Time = ""06:00 PM""
type = "Accountant Shift"

schedule Sara: Schedule
schedule ID = "SCH002"
date = "2025-05-15"
start Time = "09:00AM"
end Time = "09:00PM"
type = "Receptionist Shift"

schedule Omar: Schedule
schedule ID = "SCH001"
date = "2025-05-15"
start Time = "02:00PM"
end Time = "10:00PM"
type = "Doctor Shift"

schedule Layla: Schedule
schedule ID = "SCH004"
date = "2025-05-15"
start Time = "12:00PM"
end Time = "12:00AM"
type = "Nurse Shift"

receives

Have

follows

follows

follows

follows

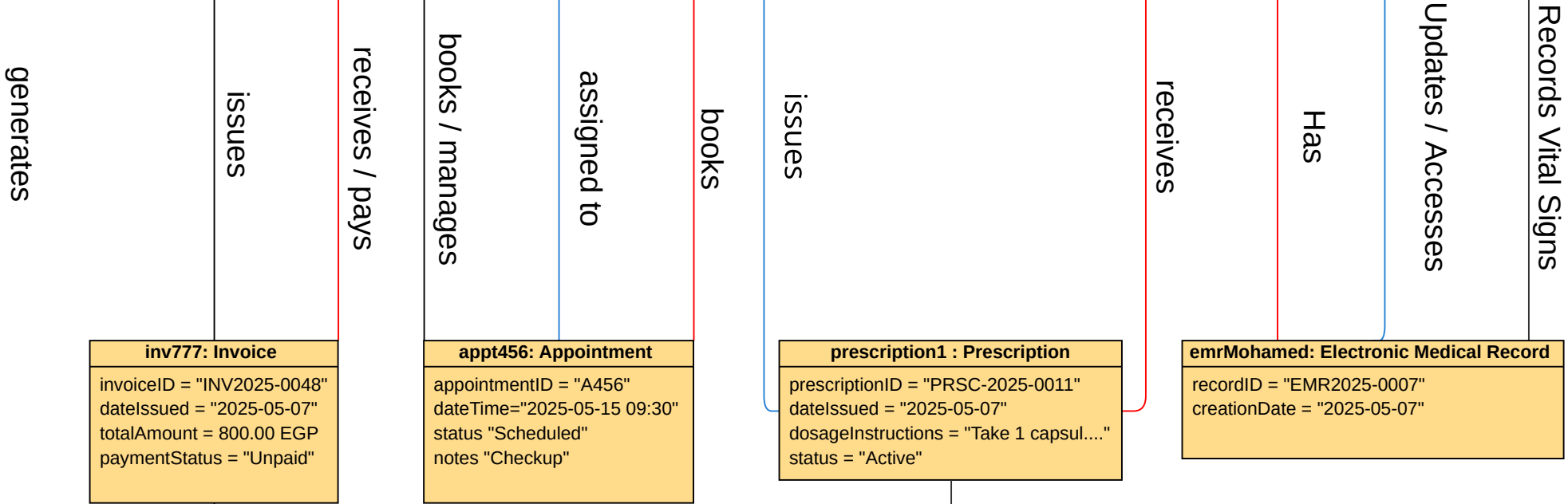
accountant Ahmed: Accounting Staff
user ID = "A601"
name = "Ahmed Gamal"
role = "Accounting"
staff ID = "3304"
department = "Finance"
access Level = "Billing"

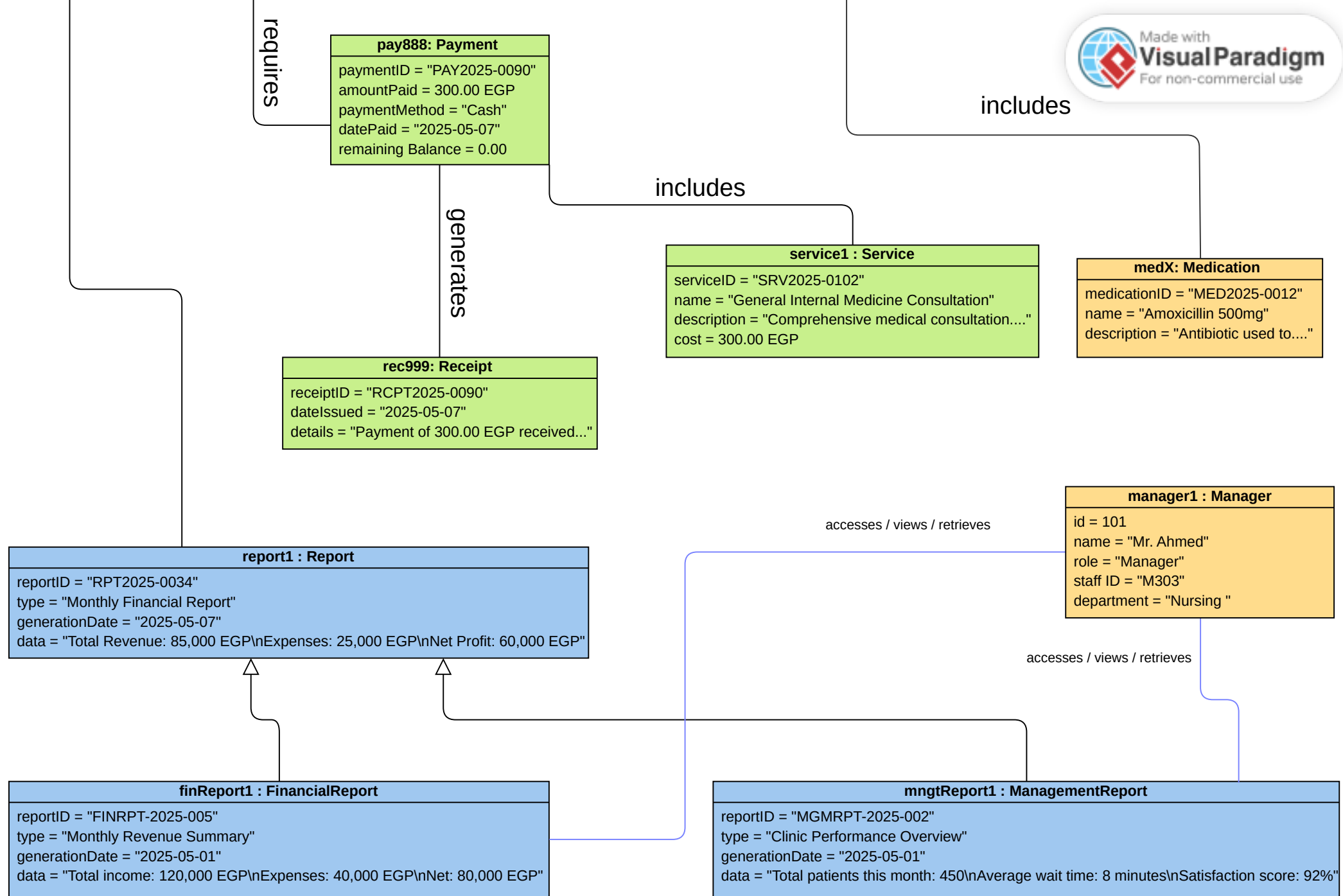
Receptionist Sara: Reception Staff
user ID = "R401"
name = "Sara Hassan"
role = "Reception"
staff ID = "3302"
department = "Reception"
desk Number = "Front Desk 1"

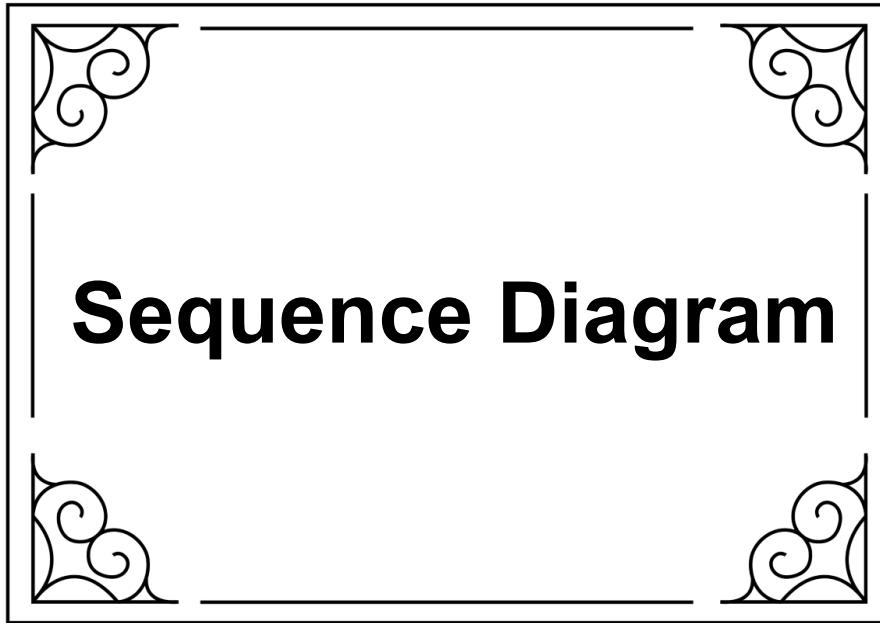
dromar : Doctor
userID = "D201"
name = "Dr. Omar Tarek"
role = "Doctor"
staff ID = "5301"
department = "General Medicine"
specialization = "General Medicine"
availability Status = "Available"

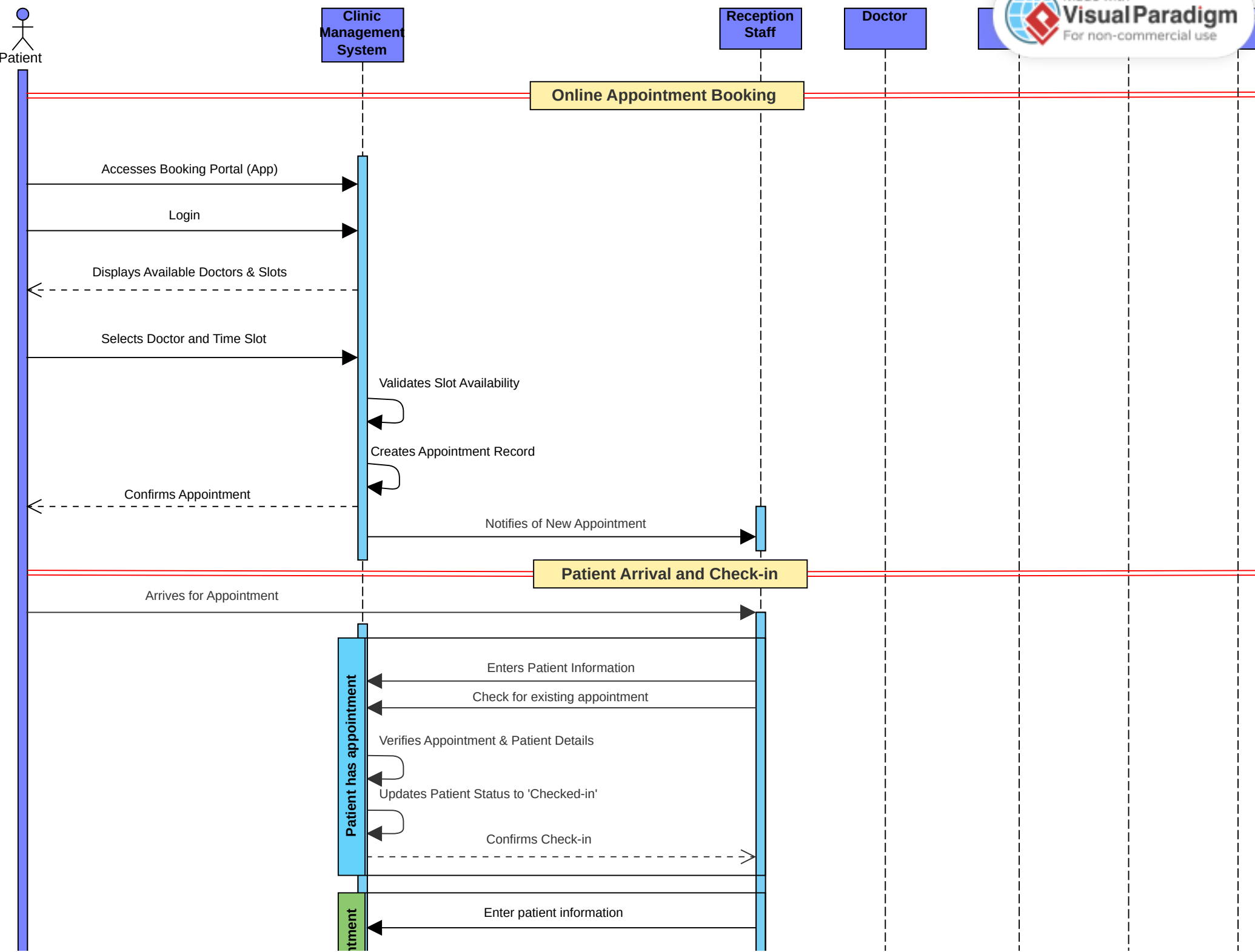
mohamed: Patient
patient ID = "P101"
name = "Mohamed Youssef "
address = "123 Health St "
contactinfo = "0100-1234567"
date Of Birth = "1990-06-20"

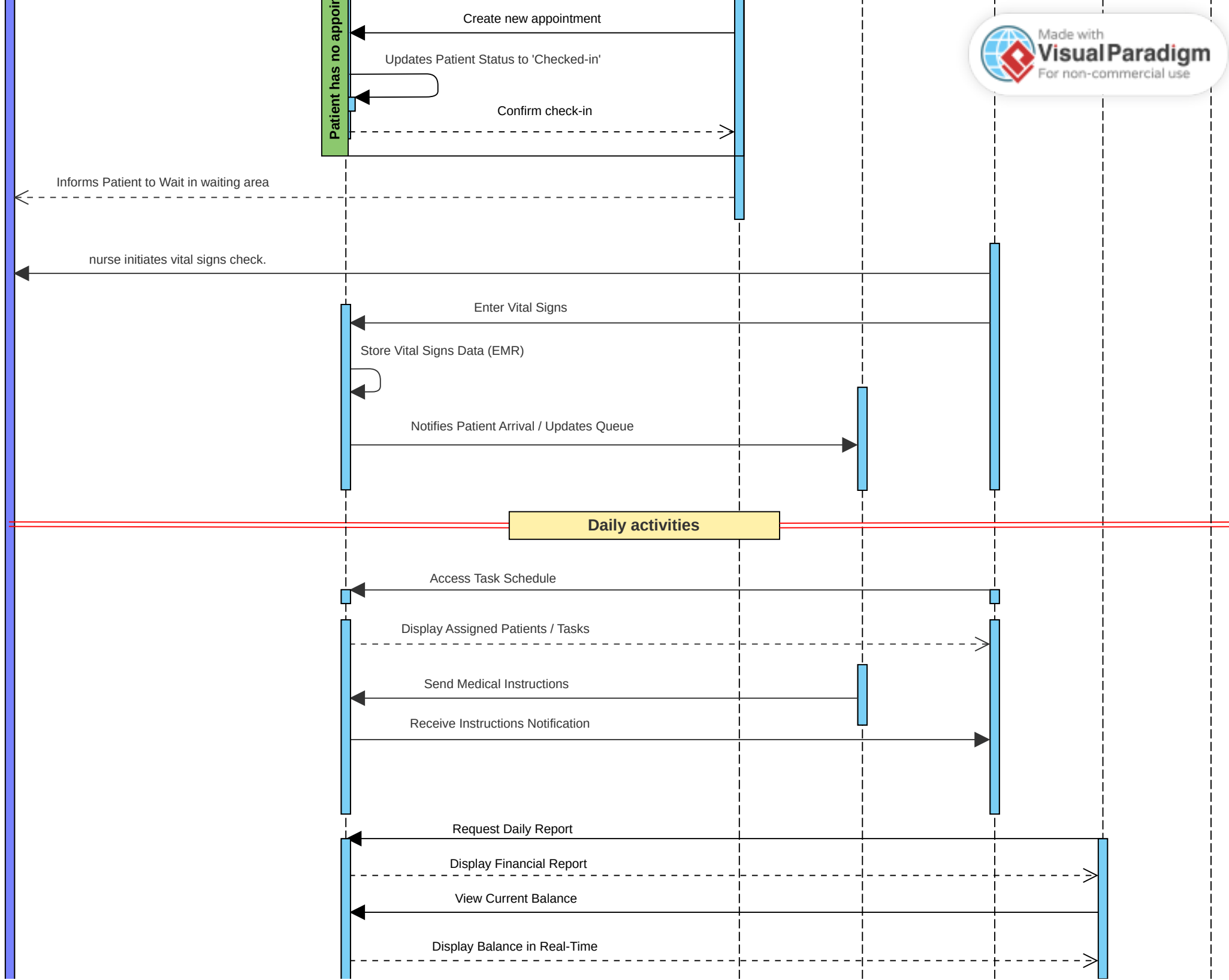
nurse Layla: Nurse
userID = "N501"
name = "Layla Adel"
role = "Nurse"
staff ID = "S303"
department = "Nursing "
qualifications= "RN"

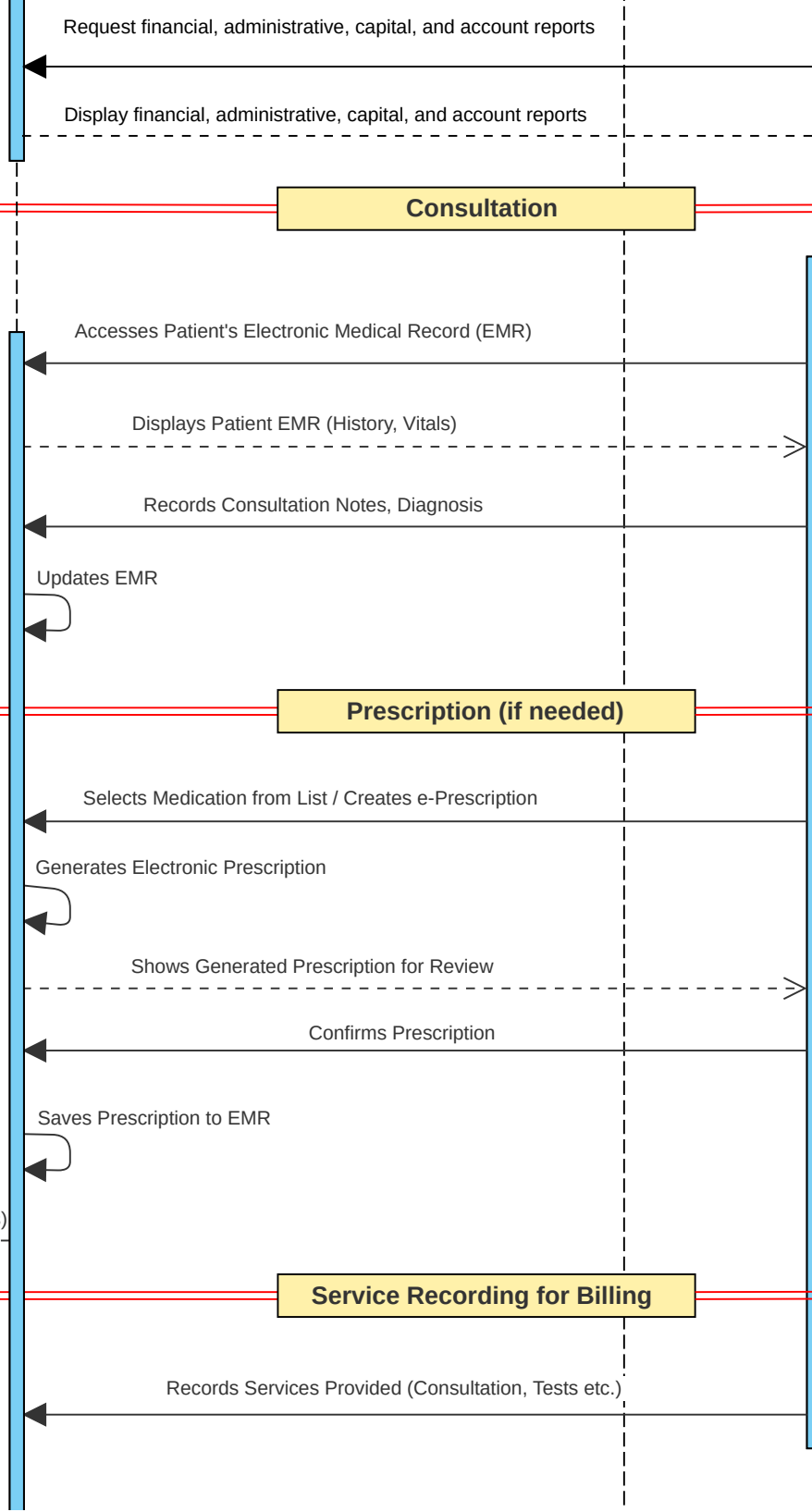












Makes e-Prescription available (e.g., print, portal access)

Service Recording for Billing

Records Services Provided (Consultation, Tests etc.)

Prescription (if needed)

Selects Medication from List / Creates e-Prescription

Generates Electronic Prescription

Shows Generated Prescription for Review

Confirms Prescription

Saves Prescription to EMR

Updates EMR

Records Consultation Notes, Diagnosis

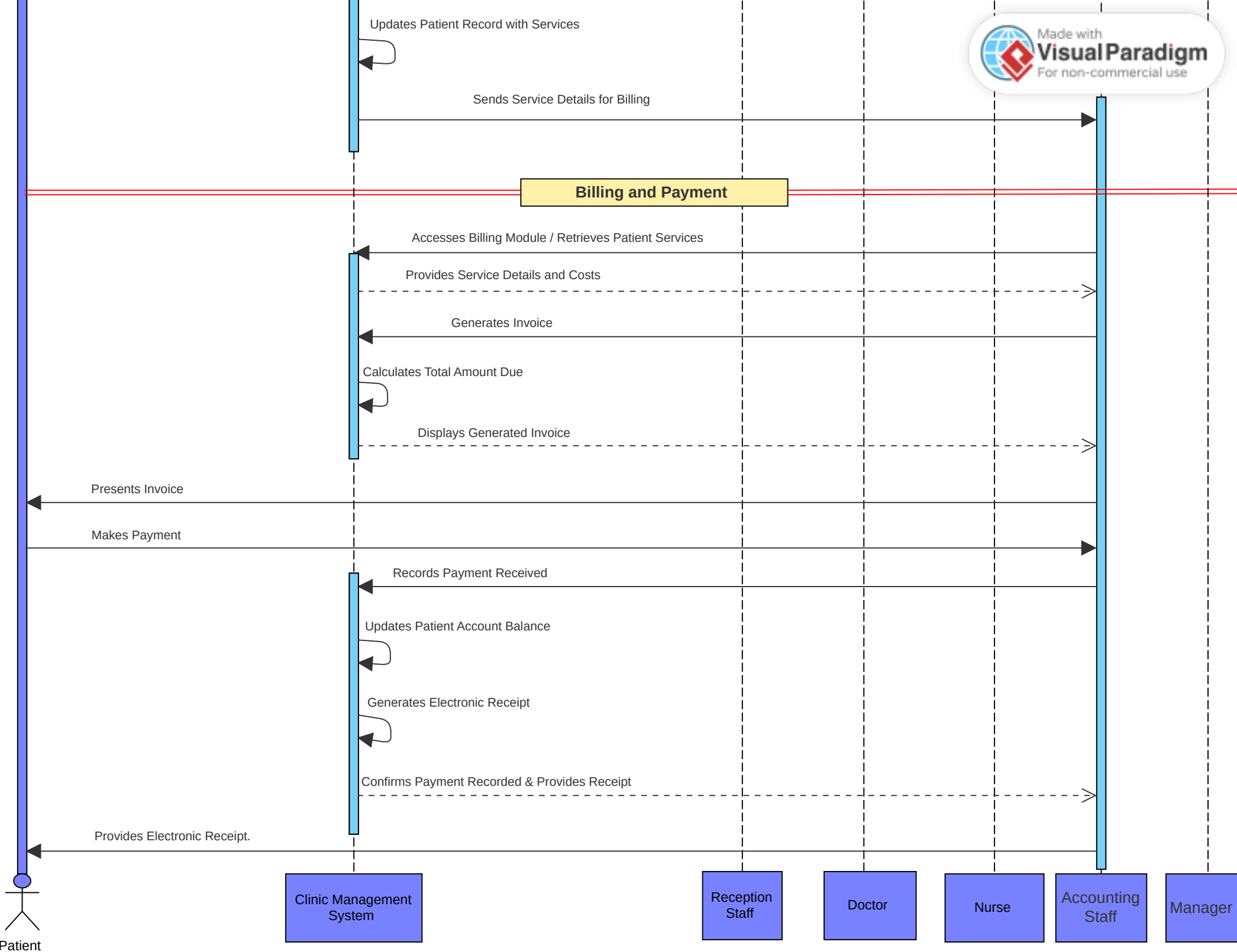
Displays Patient EMR (History, Vitals)

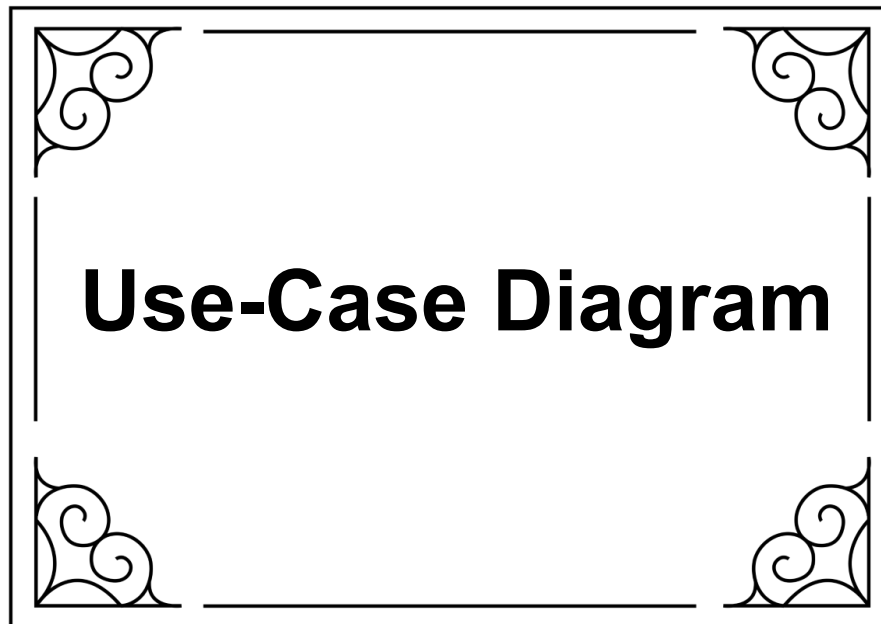
Accesses Patient's Electronic Medical Record (EMR)

Consultation

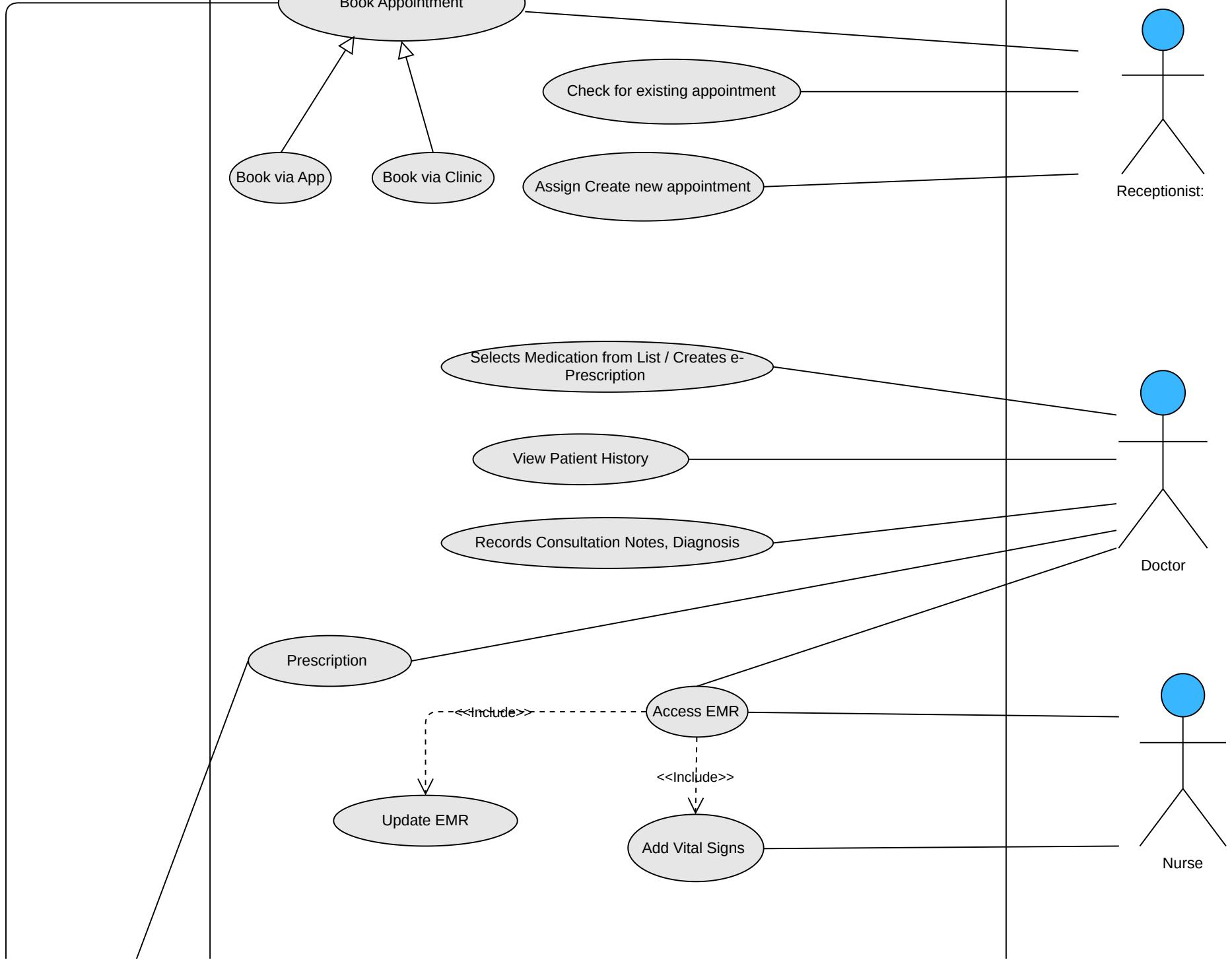
Display financial, administrative, capital, and account reports

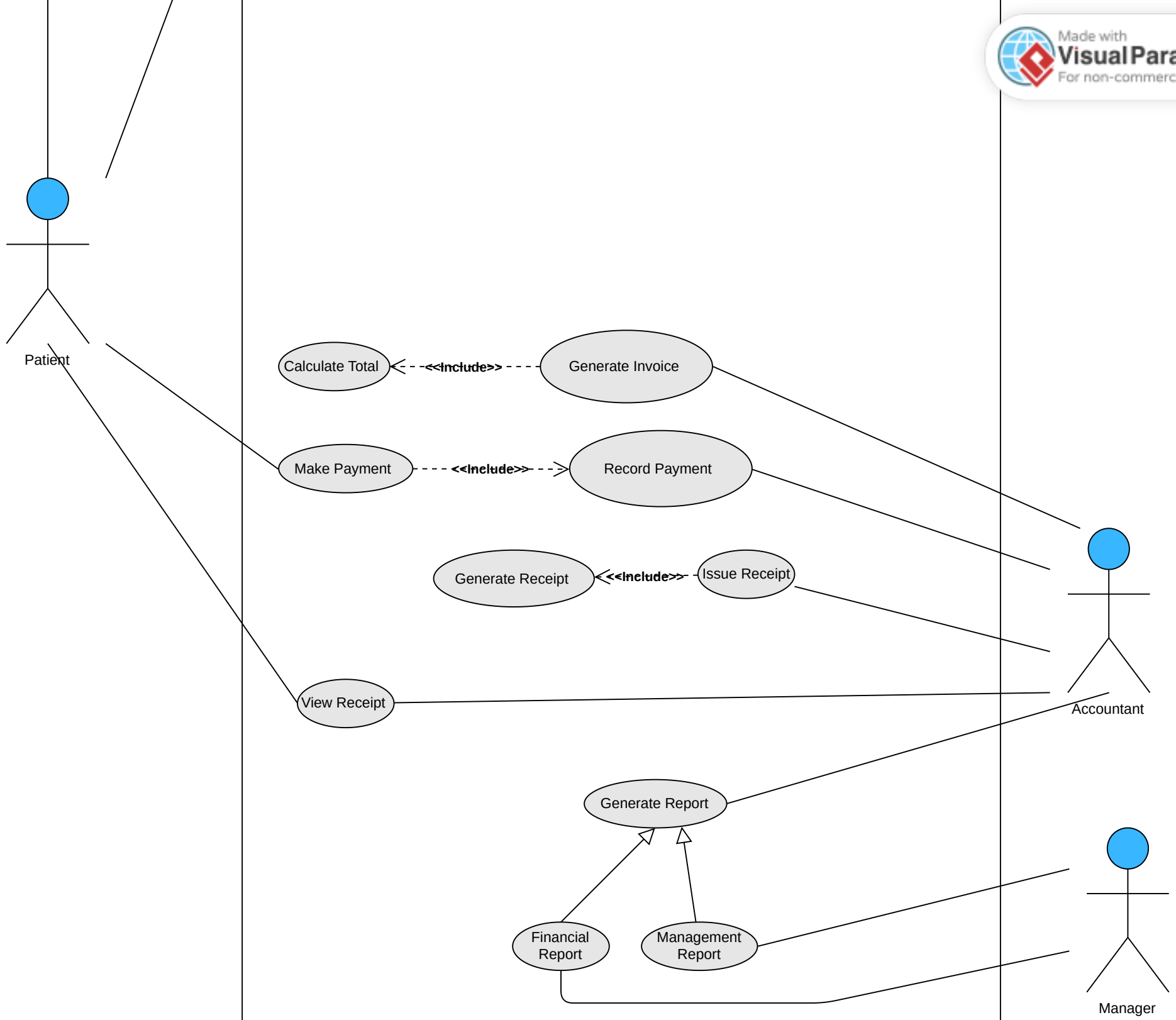
Request financial, administrative, capital, and account reports

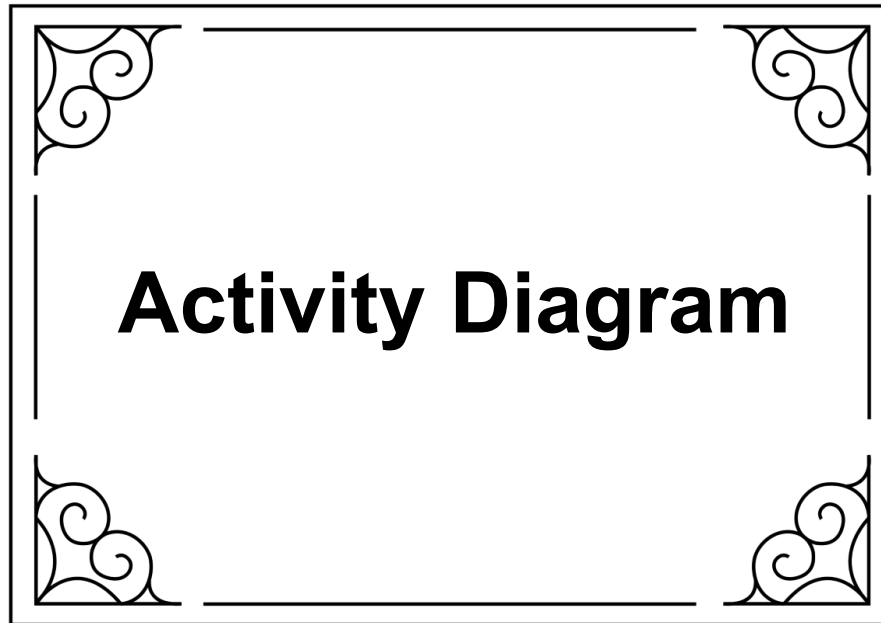


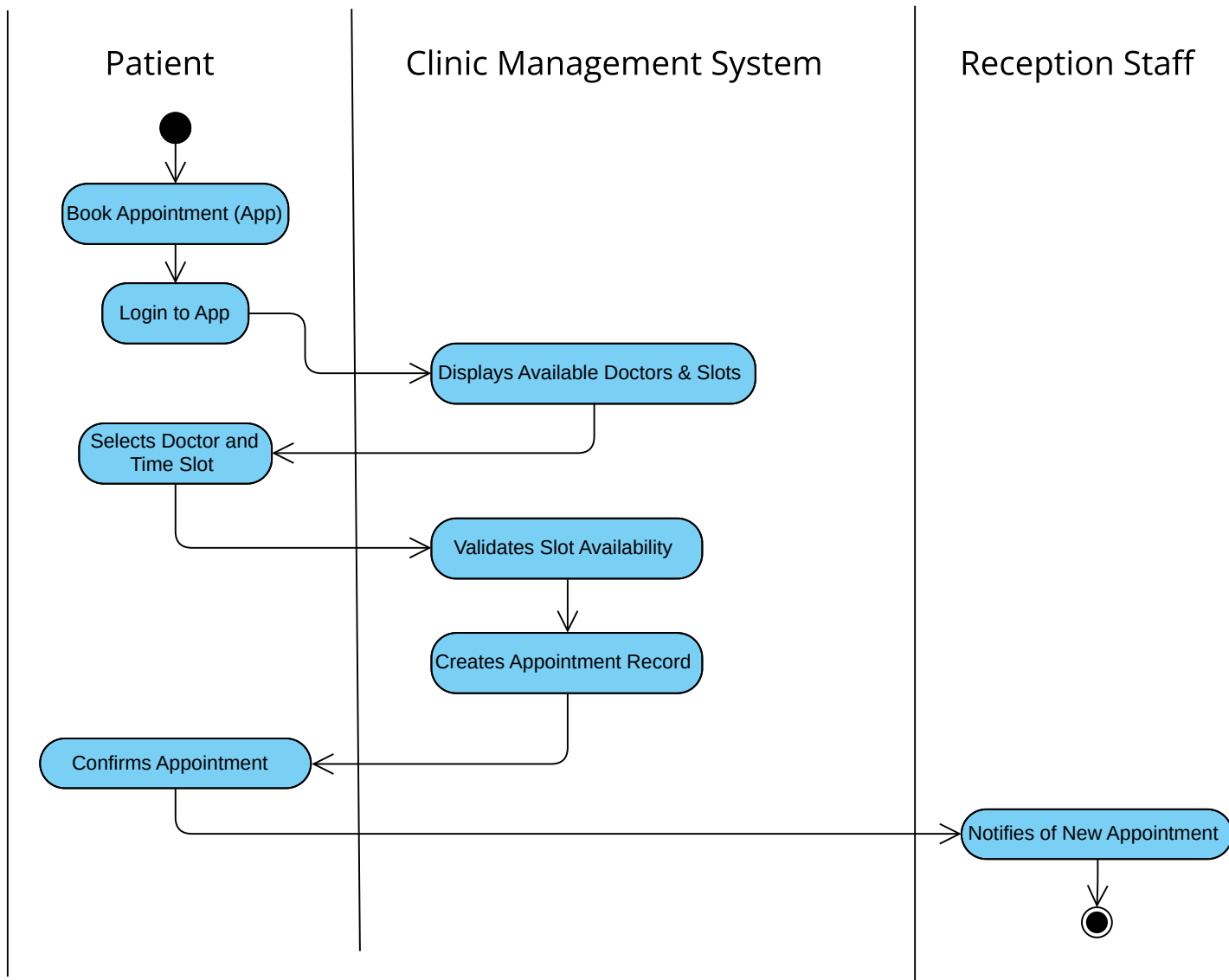


Clinic Management System









Patient

Clinic Management System

Reception Staff

Doctor

Nurse

Arrives for Appointment

Verifies Appointment & Patient Details

Updates Patient Status to 'Checked-in'

Enters Patient Information

Check for existing appointment

Confirms Check-in

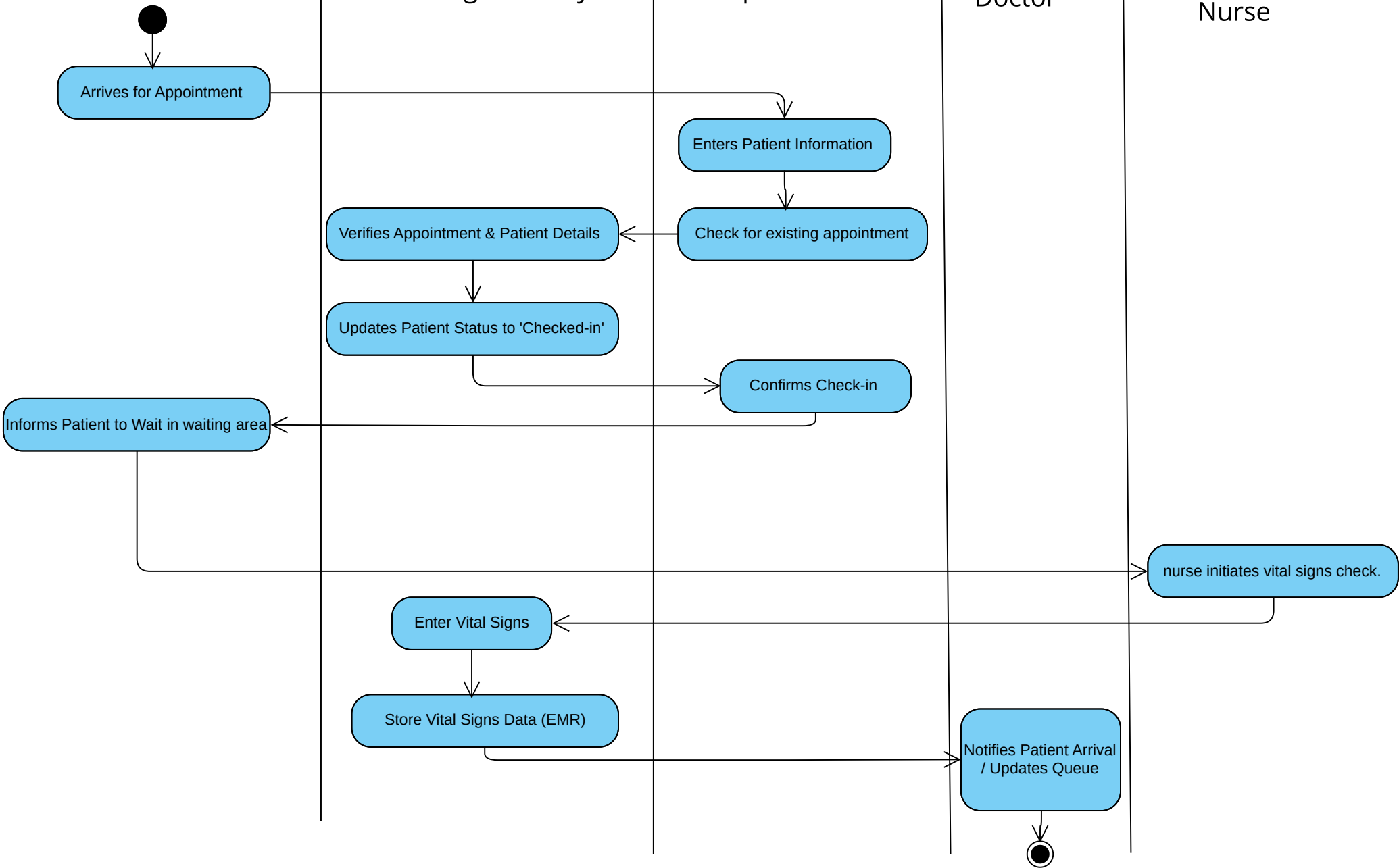
Informs Patient to Wait in waiting area

Enter Vital Signs

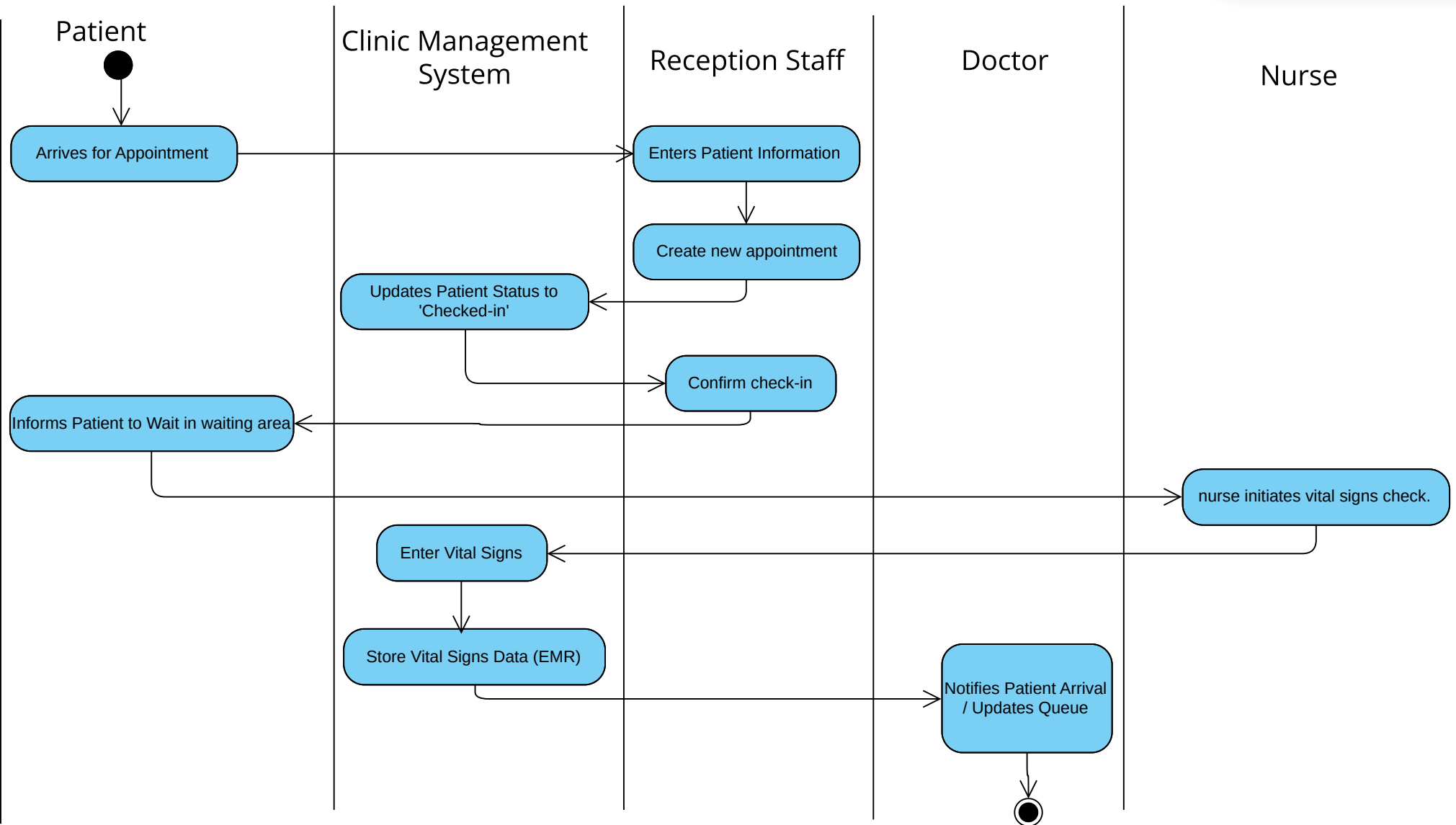
Store Vital Signs Data (EMR)

nurse initiates vital signs check.

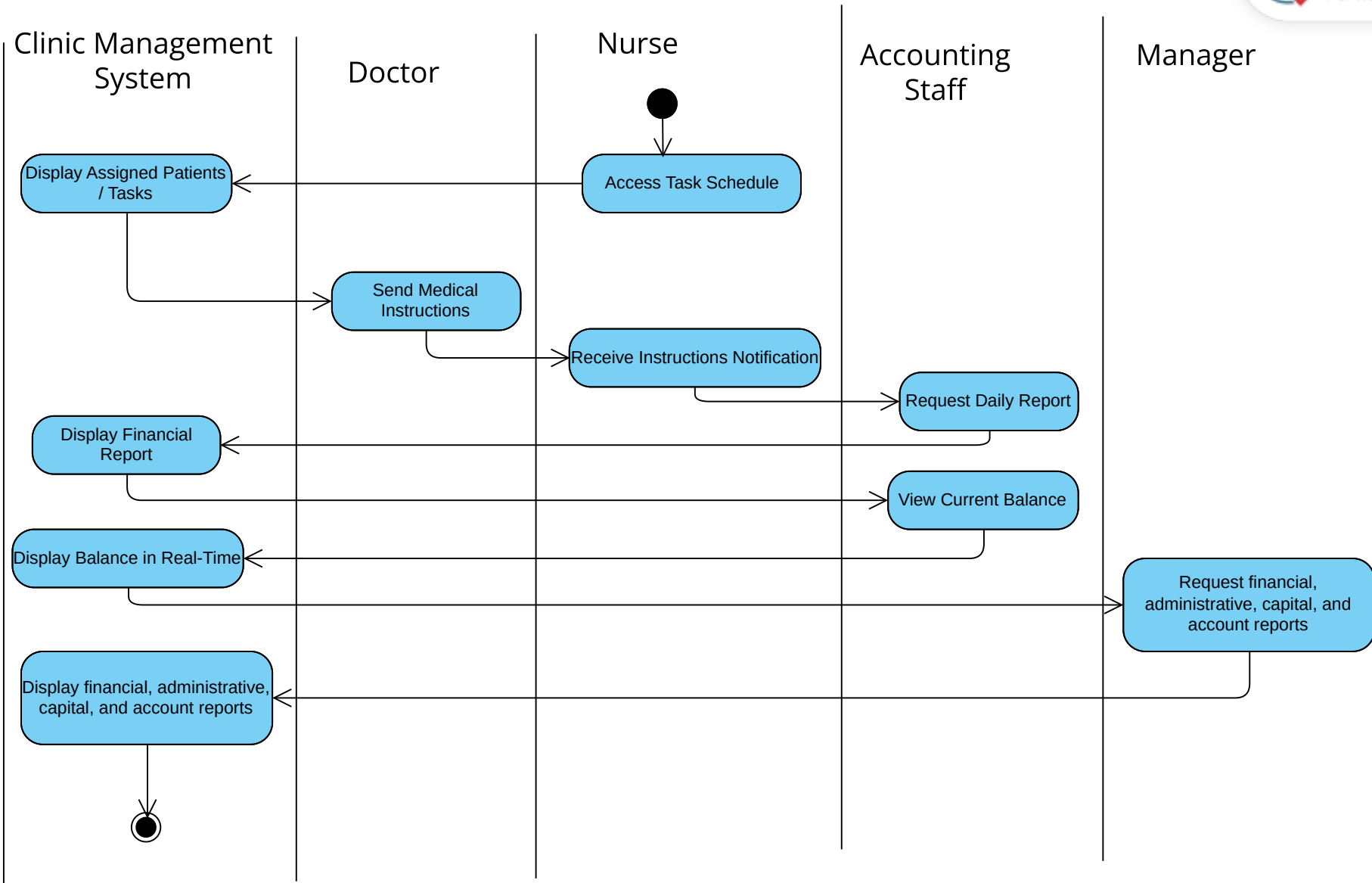
Notifies Patient Arrival
/ Updates Queue



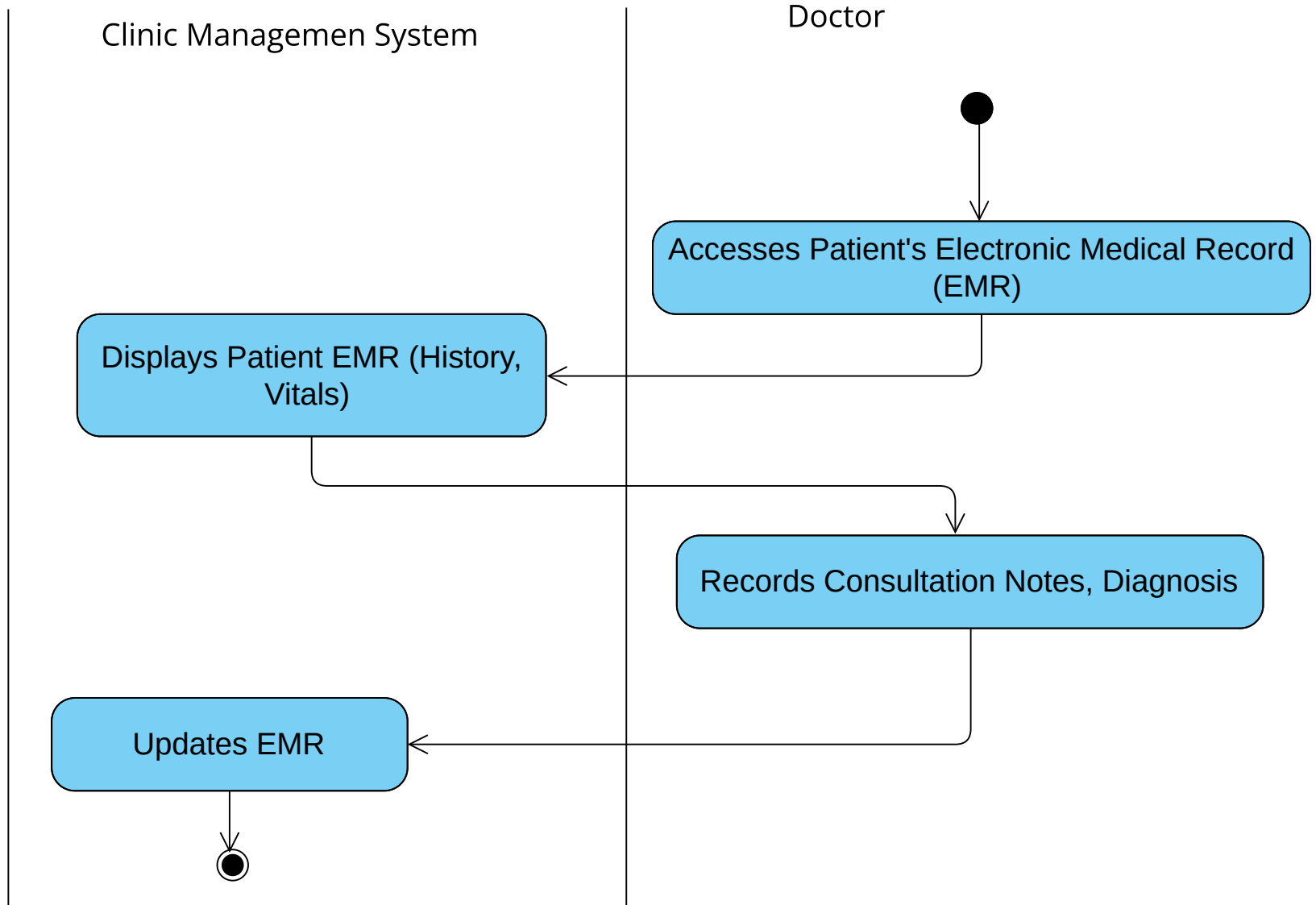
Patient Arrival and Check-in
Patient has no appointment



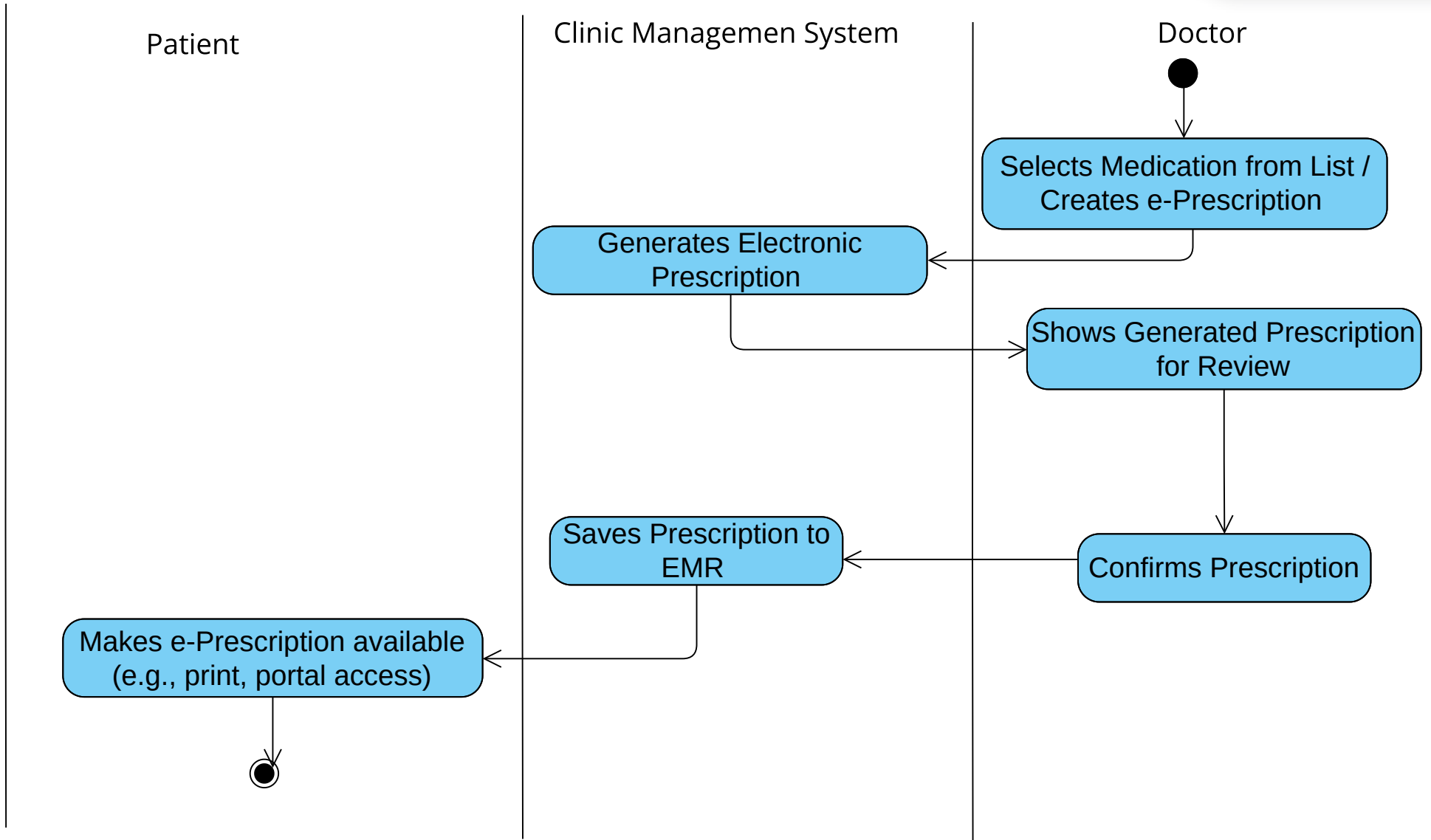
Daily activities



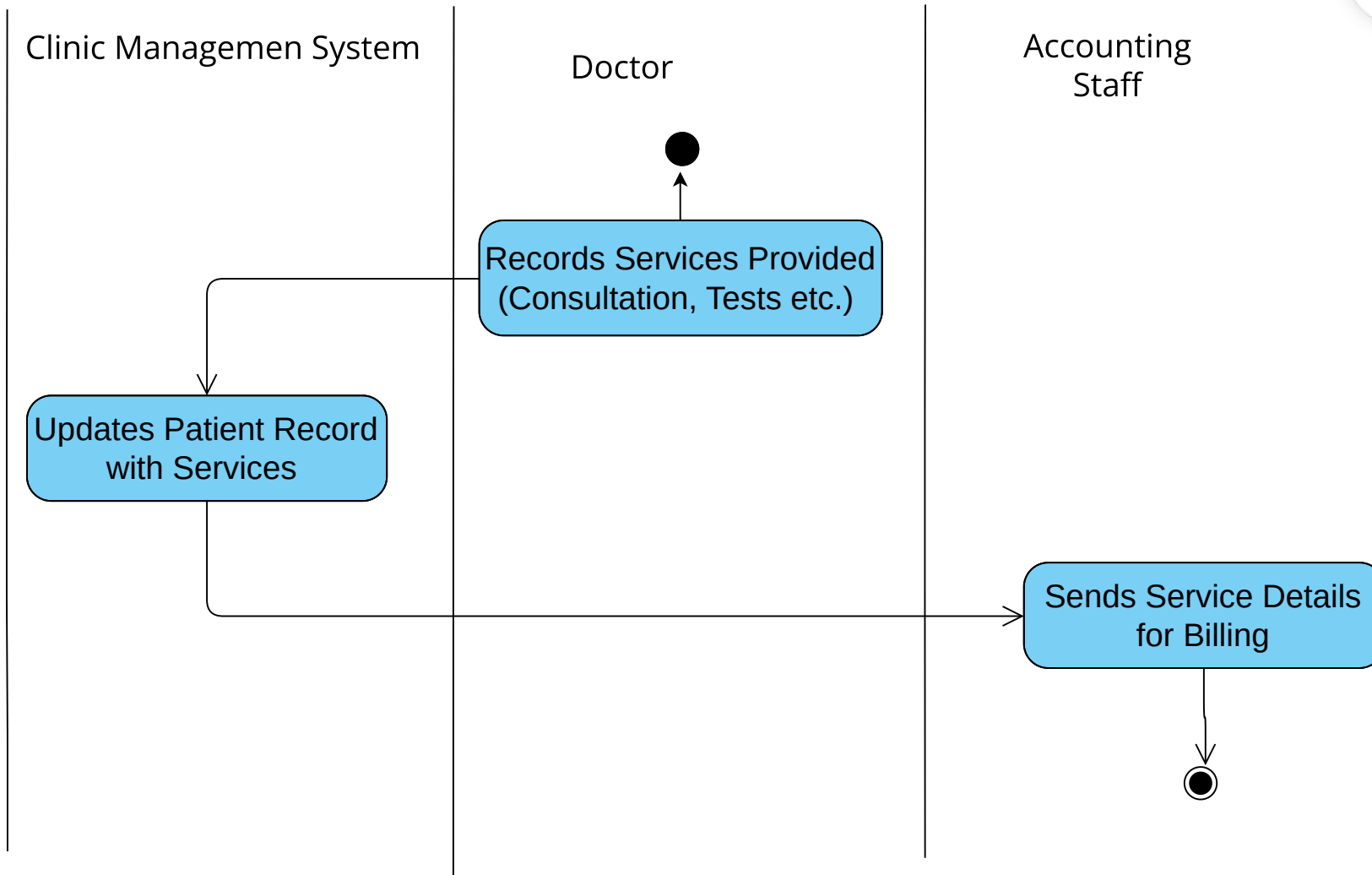
Consultation



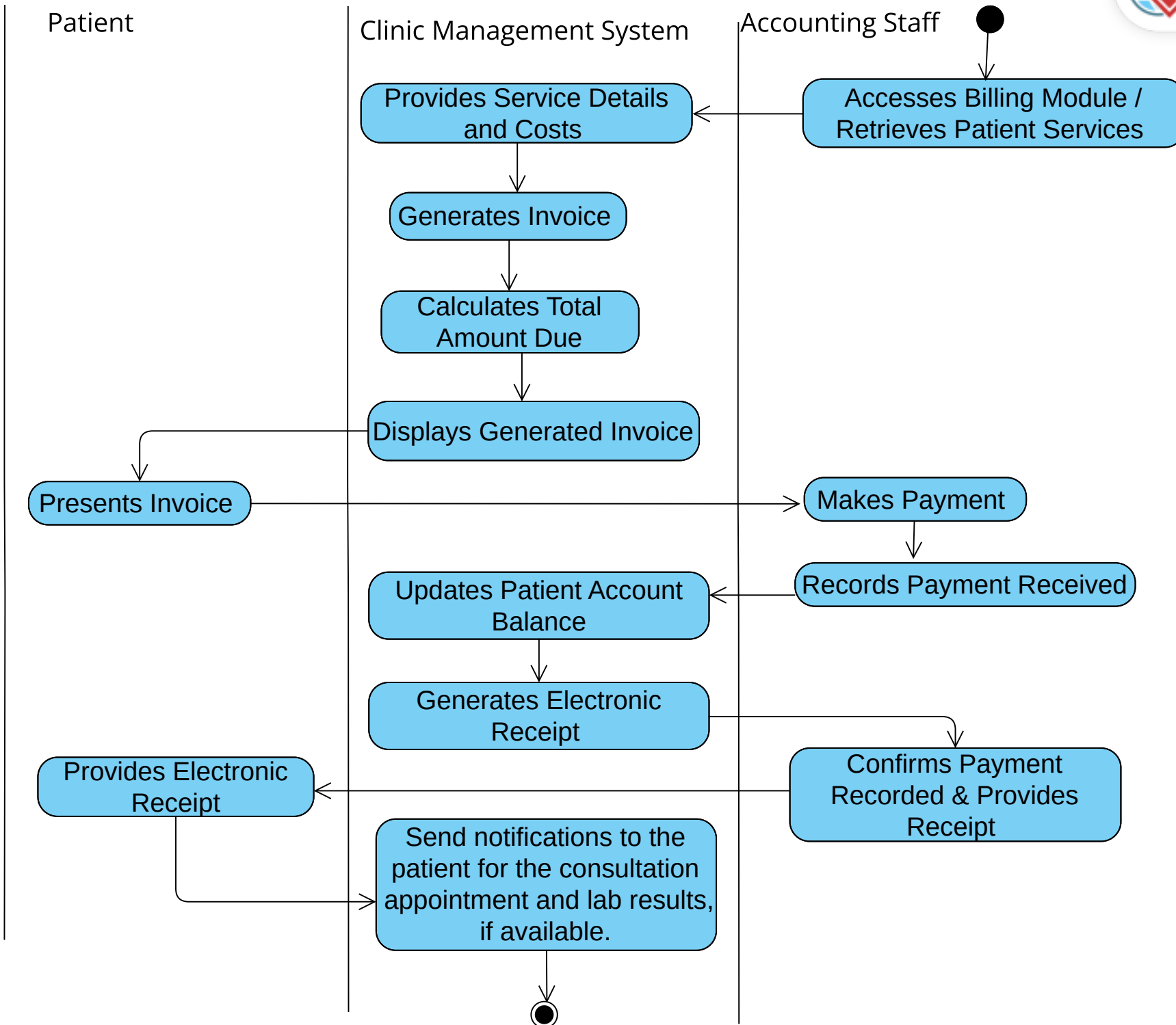
Prescription (if needed)



Service Recording for Billing



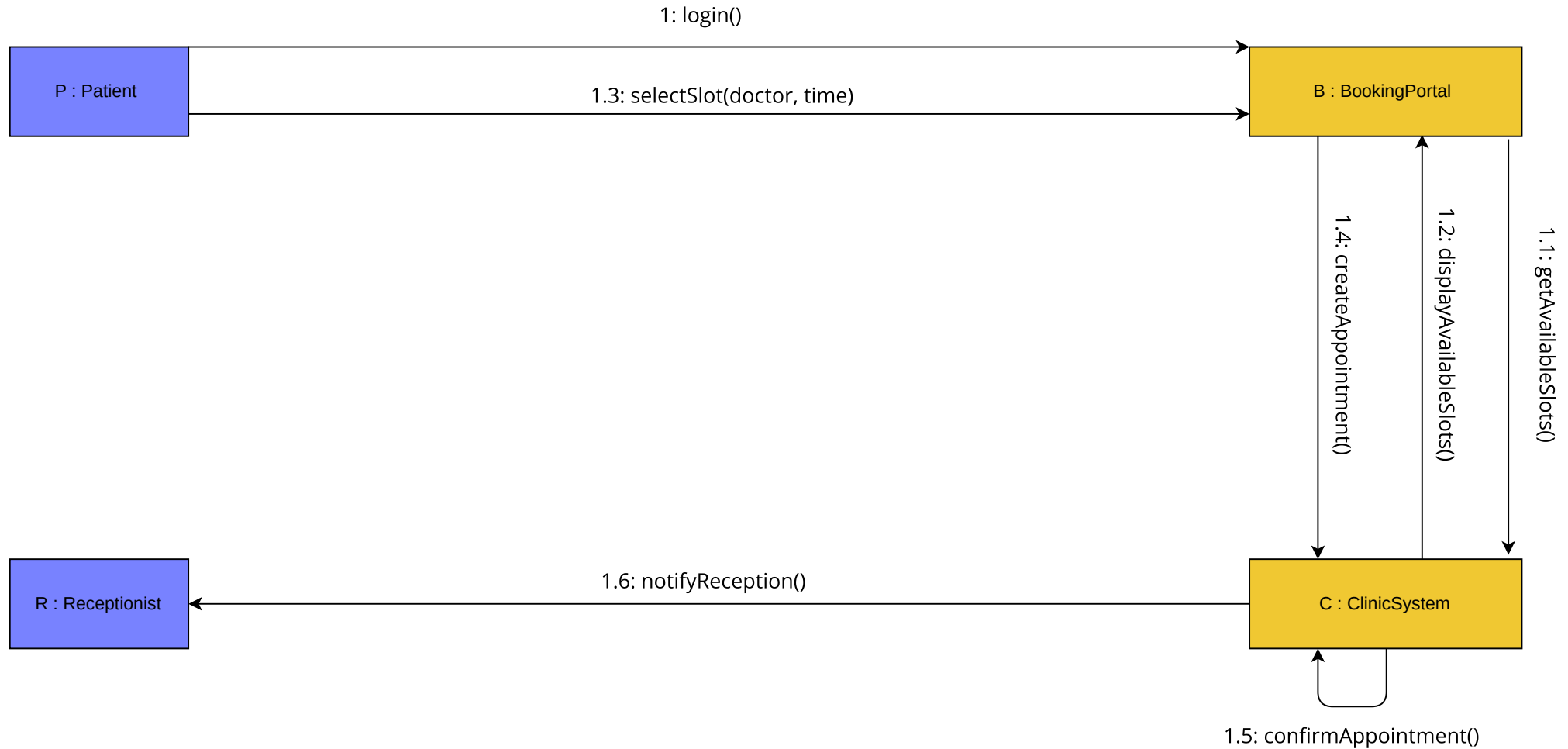
Billing and Payment



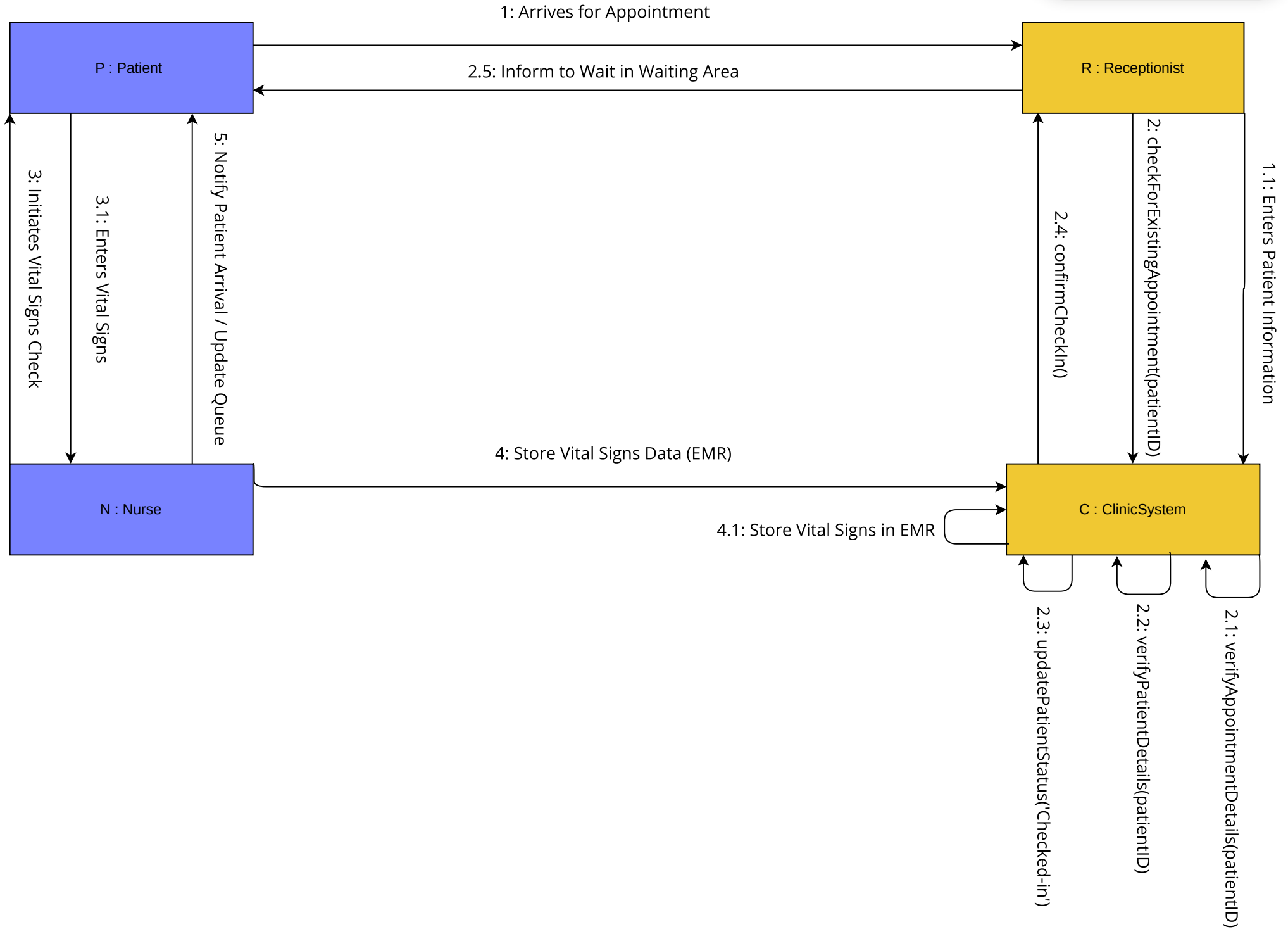


Communication (Collaboration) Diagram

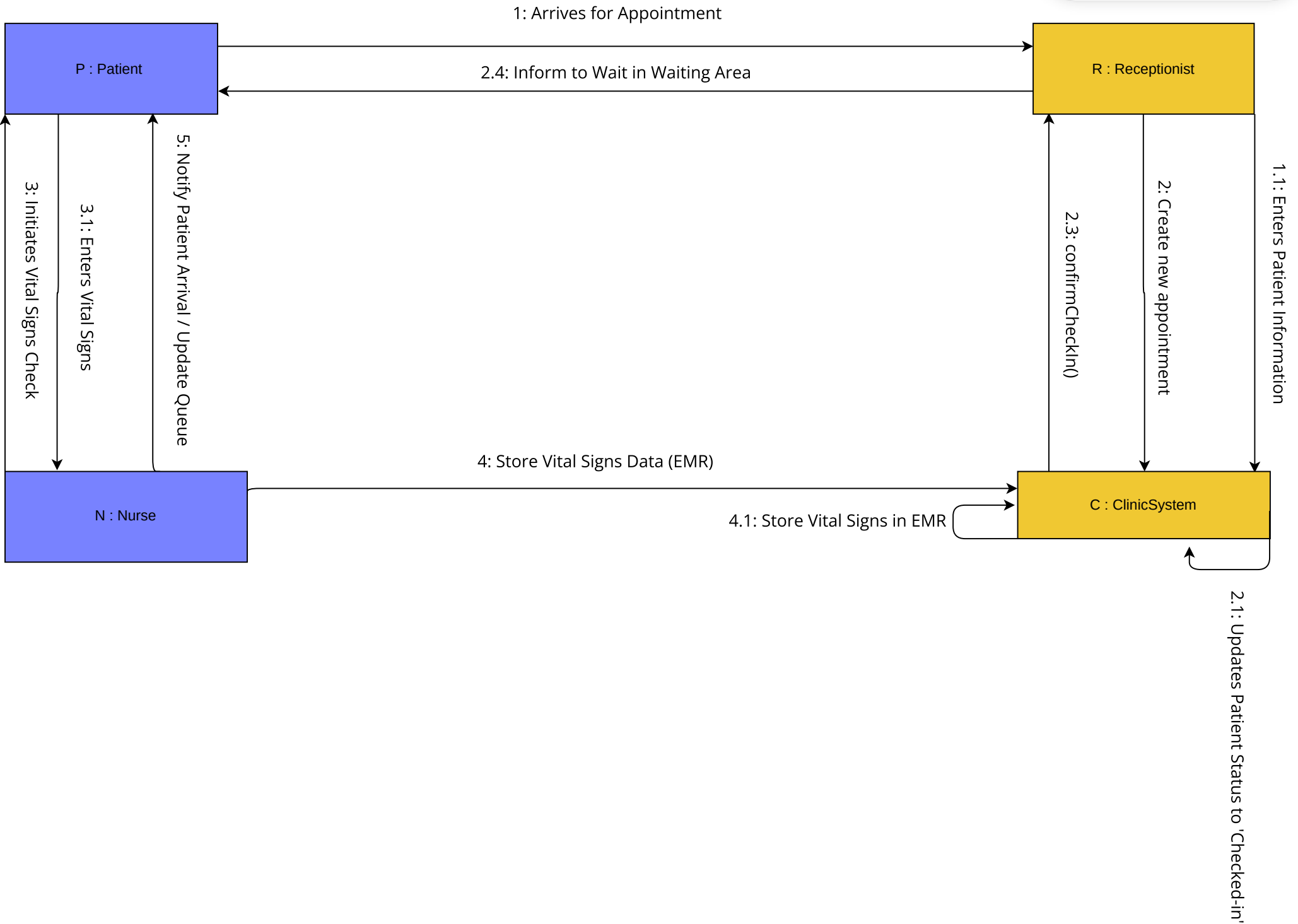
Online Appointment Booking



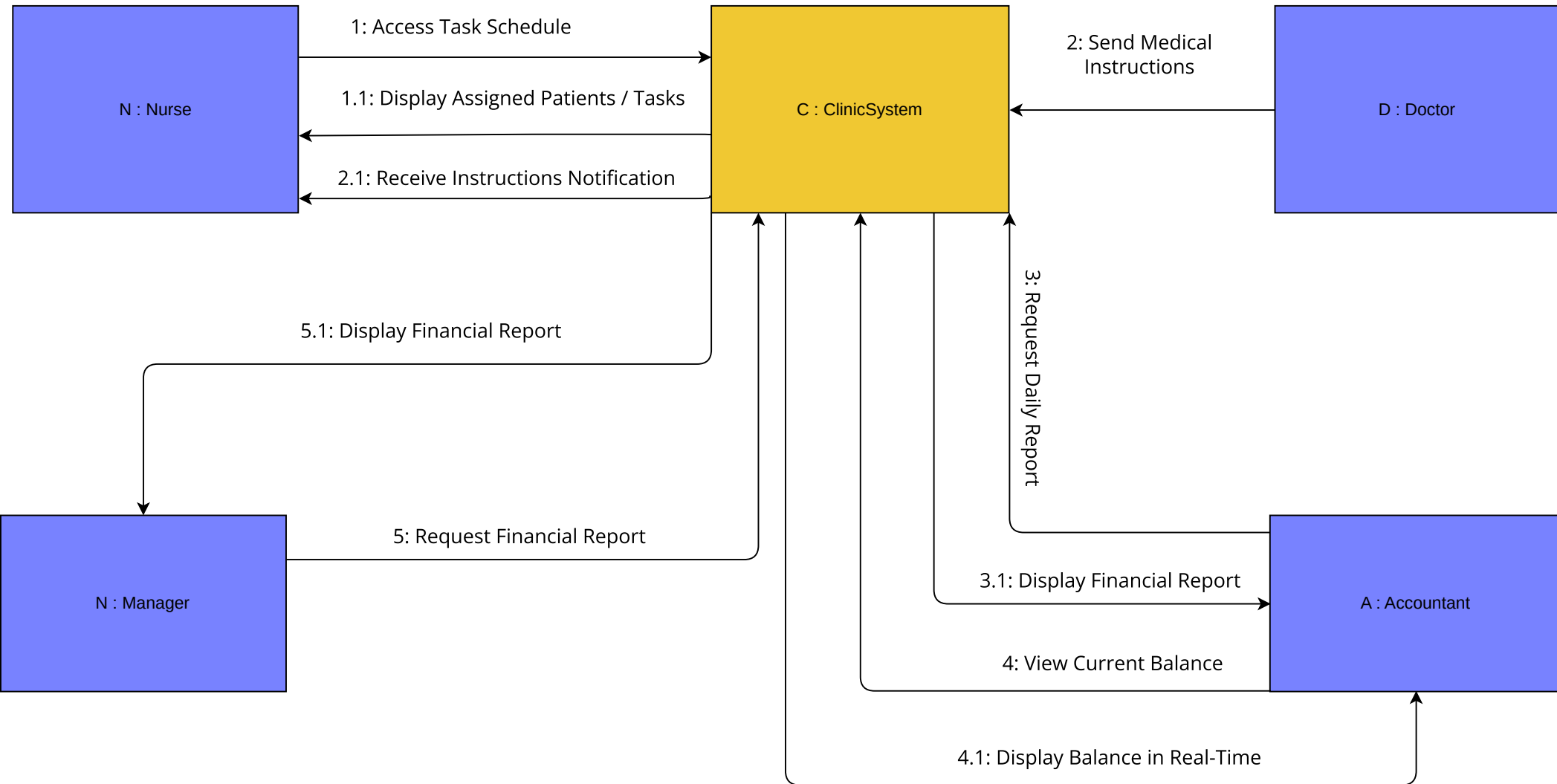
Patient Arrival and Check-in - with APP



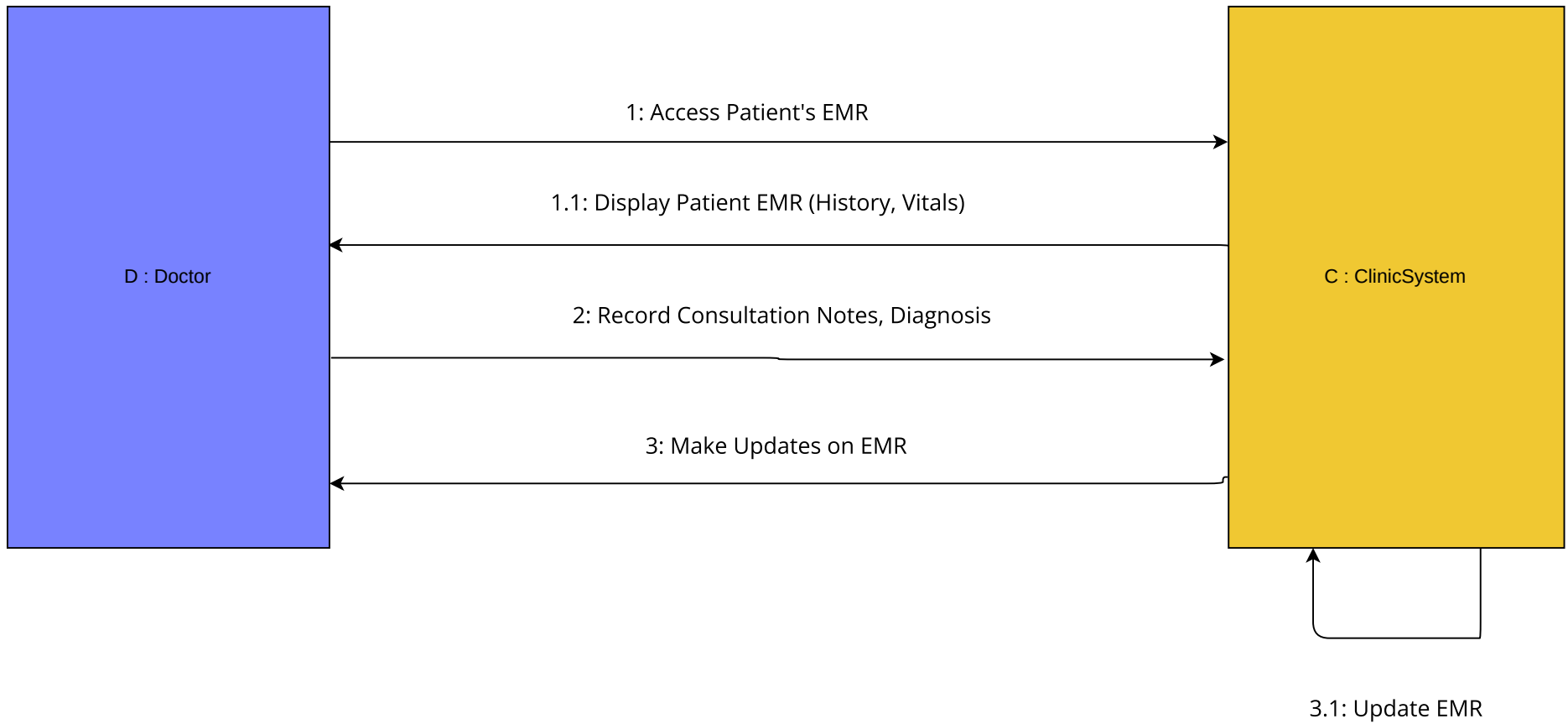
Patient Arrival and Check-in - without APP



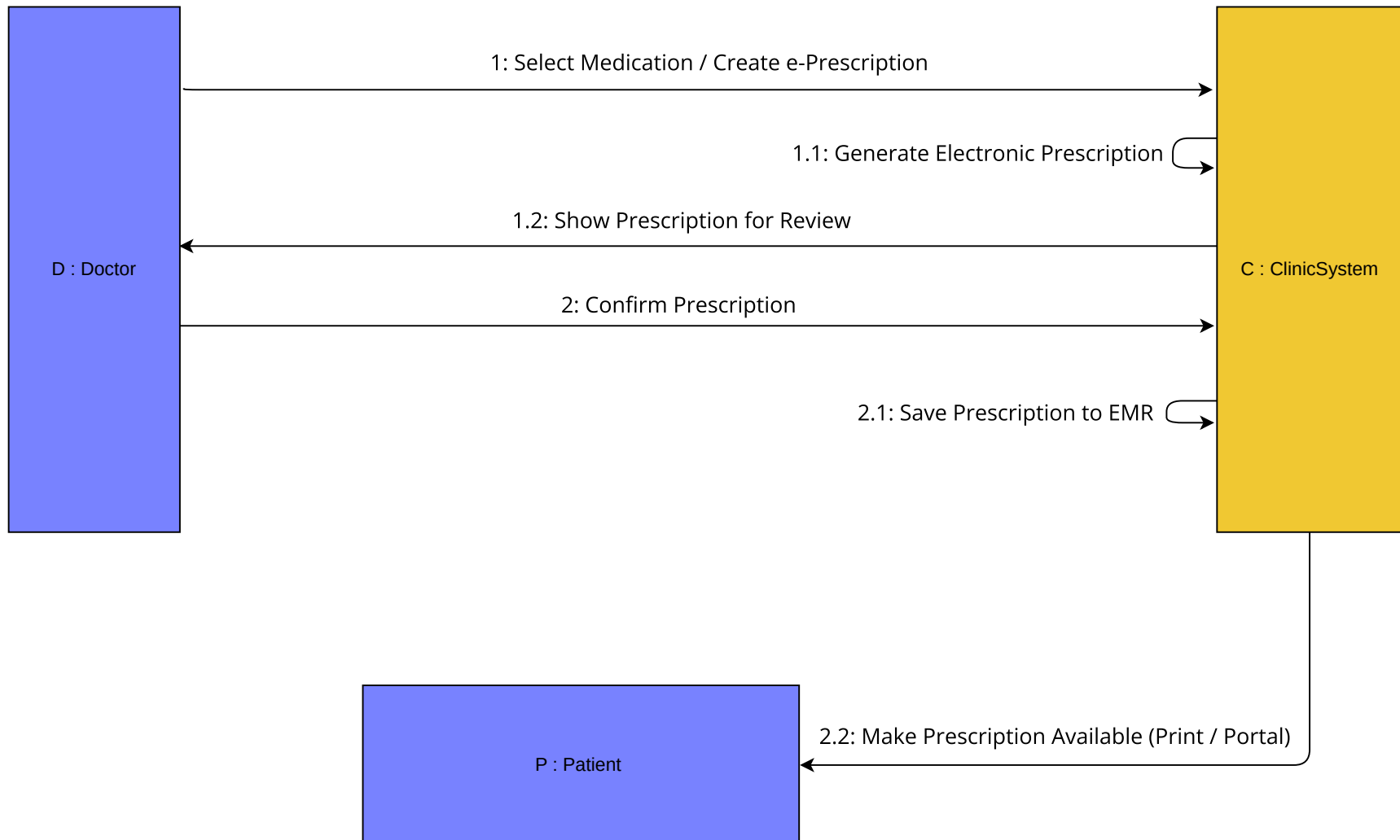
Daily activities



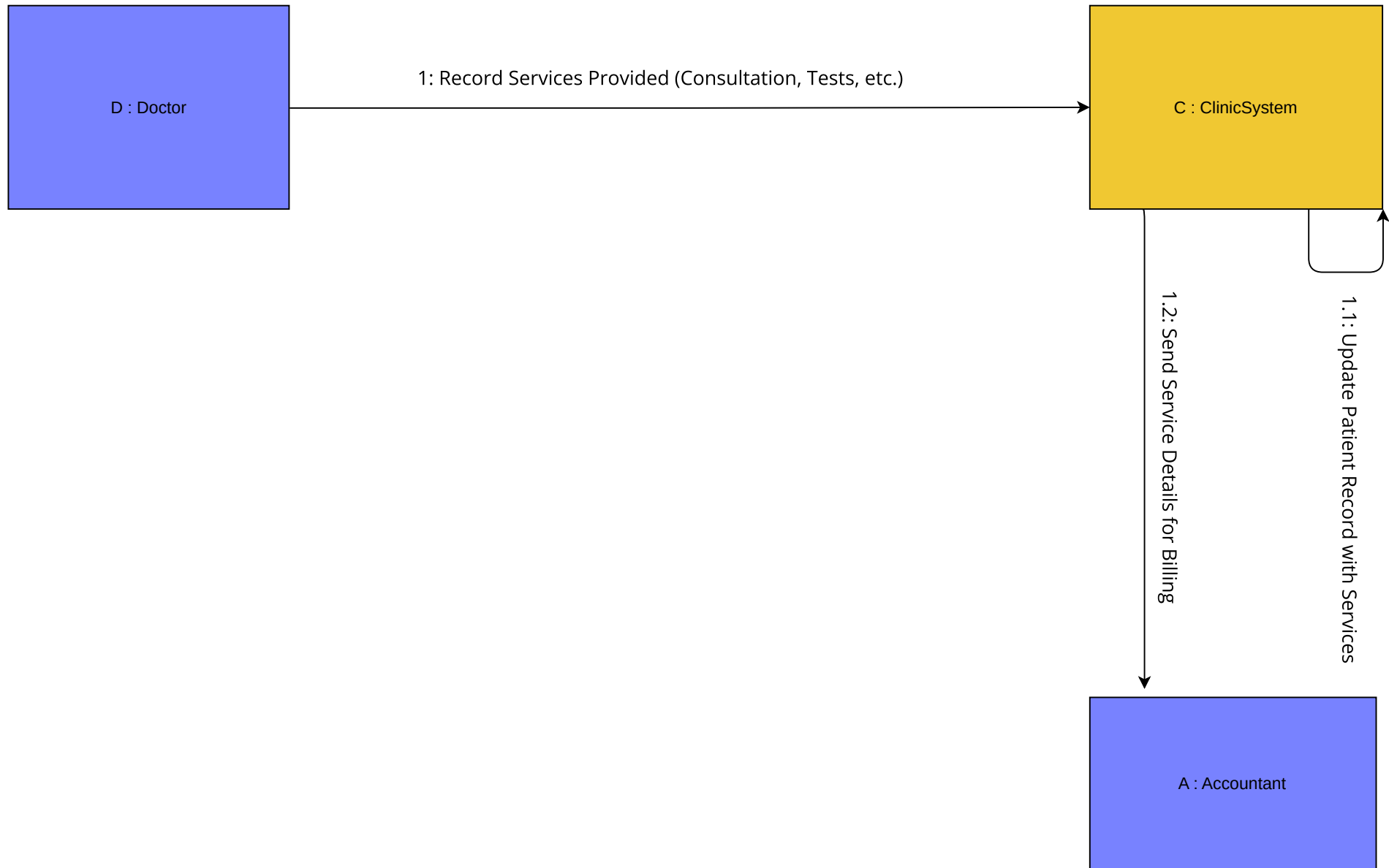
Consultation



Prescription (if needed)



Service Recording for Billing



Billing and Payment

