CRC Class Diagram

Medi Sync Hub: Unified Patient-Doctor Record Management
Group No: 11
CSE 327
Section:03

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<<user>>
Patient

+ name: String = blank
+ email: String = blank
+ phone: integer= NULL
+ gender: String = blank
+ DOB: String = blank
- time: integer = NULL
- doctorName: String = blank
- date: String = blank
- address: String = blank
- medicineName: String = blank
- quantity: integer = NULL

+ setInfo (name: String, email: String, phone: integer, gender: String, DOB: String)

+ setAptInfo (time: integer, doctorName: Stirng, date: String)
+ getTime(): integer
+ getDoctor(): String
+ getDate(): String
+ requestAppointment(name, time, doctorName, date)

+ setOrderInfo(medicineName: Stirng,quantity: integer)
+ getMedicineName():Stirng
+ getQuantity():integer
+ orderMedications(medicineName,quantity)

+ routineCheckup()

<<user>>
Doctor

+ name: String = blank
+ email: String = blank
+ phone: integer = NULL
+ gender: String = blank
+ specialization: String = blank
- licenseNumber: String = blank
- appointments: List<Appointment> = []

+ setInfo(name: String, email: String, phone: integer, gender: String, specialization: String, licenseNumber: String)

+ addAppointment(appointment: Appointment)
+ getAppointments(): List<Appointment>

+ prescribeMedication(patient: Patient, medicineName: String, quantity: integer)

+ referToSpecialist(patient: Patient, specialist: Doctor, reason: String)

+ routineCheckup()

<<user>>
Pharmacist

+ name: String = blank
+ email: String = blank
+ phone: integer = NULL
+ gender: String = blank
- licenseNumber: String = blank
- prescriptions: List<Prescription> = []

+ setInfo(name: String, email: String, phone: integer, gender: String, licenseNumber: String)

+ receivePrescription(prescription: Prescription)
+ getPrescriptions(): List<Prescription>

+ dispenseMedication(prescription: Prescription)
+ checkMedicationStock(medicineName: String): integer

+ routineCheckup()

<<user>>
Admin(IT)

- id: integer= NULL
- doctorName: String = blank
- department: String = blank
- time: integer = NULL
- medicineName: String = blank

+ setID (id: integer)
+listPatient()

+ setDoctorInfo(doctorName: String, department: String, time: integer)
+ getDoctorName() : String
+ getDepartmentName() : String
+ getDocotrTime(): integer
+ listDoctor(doctorName, department, time)
+ makeappointment()

+ setMedicineName(medicineName: Stirng)
+ getMedicineName():Stirng
+ listMedicine(medicineName, Stirng)
+ orderList()

+ routineCheckup()