

Diagnosis

- diagnosisID:String
- diagnosisName:String
- symptoms:ArrayList<Symptoms>
- diagnosisDate:Date
- diagnosisNotes:String

+getDiagnosis():String
+addDiagnosis():void
+updateDiagnosis():void
+deleteDiagnosis():void

Symptom

-symptomsID:String
-symptomsName:String
-symptomDescription:String

+ addSymptom():void
+ getSymptom():String
+ deleteSymptom():void
+ updateSymptoms():void

Allergies

-allergyID:String
-allergyName:String
-allergyDescription:String

+ addAllergies():void
+ getAllergies():String
+ deleteAllergies():void
+ updateAllergies():void

Medication

-medicationID:String
-medicationName:String
-sideEffects:String[]
-usageDirections:String
-MaximumDosage:double
-MAX_DOSAGE_MEASURE:String="mg"

+addMedication():void
+updateMedication():void
+deleteMedication():void

Prescription
-prescriptionID:String -prescriptionDate:Date -patientID:String -medicalProviderID:String -medications:ArrayList<Medication> -instructions:String
+prescribeMedication():void +getPrescribedMedicationsList():String +overrideDefaultInstructions():void +sendtoPharmacy():boolean

Medical Facility
-facilityID:String -facilityLocation:String
+addFacility():void +getFacilityID():String +deleteMedicalFacility():void +updateMedicalFacility():void

Appointment
-appointmentTime:Date -appointmentCancelled:Boolean
+addAppointment():void +updateAppointment():void +deleteAppointment():void +getAppointment():Date

PhysicalExamResults
-examResults:String
+addExamResults():void +deleteExamResults():void +changeExamResults():void +getExamResults():String

TestResults
-testID:String -testType:String -testNotes:String -requestingDoctor:String
+addTestResults():void +changeExamResults():void +updateTestResults():String

PatientInformation
<ul style="list-style-type: none"> - patientHeight:double - patientweight:double - patientgender:string - patientDiagnosis:ArrayList<Diagnosis> - patientPrescription:ArrayList<Prescription> - patientAppointment:ArrayList<Appointment> - patientAllergies:ArrayList<Allergies> - patientPrimaryDoctor:String - patientMedicalProvider:String - patientPhysicalExamResults:ArrayList<PhysicalExamResults> - patientTestResults:ArrayList<TestResults>
<ul style="list-style-type: none"> +addExamResults():void +deleteExamResults():void +changeExamResults():void +getExamResults():String

DatabaseUtilities
<ul style="list-style-type: none"> -dbUserName:String -dbPassword:String
<ul style="list-style-type: none"> +executeQuery():void +getResultset():ResultSet

MySqlDbUtils
<ul style="list-style-type: none"> -defaultDatabaseName:String -dbServerName:String
<ul style="list-style-type: none"> +getResultsetAsHjmlTable:String +getResultsetAsJsonTable():String

SQLiteDbUtils
<ul style="list-style-type: none"> -dataFilePath:String
<ul style="list-style-type: none"> +getResultsetAsJsonTable():String +getResultsetAsVector():String

User
<ul style="list-style-type: none"> -userID:String -userPassword:String -userName:String -userAddress:String -userPhone:String -userEmail:String
<ul style="list-style-type: none"> +addUser():void +deleteUser():String

+updateUser():void +getUser()void

Doctor

-doctorID:String -doctorSpecialty:String -doctorFacility:String -currentlyPracticing():Boolean

+addDoctor():void +updateDoctor():void

Nurse

-nurseID:String -nurseFacility:String
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+addNurse():void +updateNurse():String

Patient

-patientID:String -patientFacility:String -primaryDoctor:String

+addPatient():void +updatePatient():void +deletePatient():void +getPatient():void +requestAppointment():void
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AdministrativeStaff

-staffID:String -staffFacility:String
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+addStaff():void +updateStaff():String +deleteStaff():void
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