VRalphOparaAssignment2UMLDiagram

Valerie Ralph-Opara | September 17, 2023

Patient

-firstName: String
-middleName: String
-lastName : String
-streetName : String
-city: String
-state : String
-zipCode : String
-phoneNumber : String
-emergencyContactName: String
-emergencyContactNumber : String

+Patient()
+Patient(firstName: String, middleName: String, lastName: String)
+getFirstName(): String
+getMiddleName(): String
+getLastNames(): String
+getStreetName(): String
+getCity(): String
+getState(): String
+getZipCode(): String
+getPhoneNumber(): String
+getEmergencyContactName(): String
+getEmegerencyContactNumber(): String
+setFirstName(firstName: String) : void
+setMiddleName(middleName: String): void
+setLastName(lastName: String): void
+setStreetName(streetName: String): void
+setCity(city: String): void
+setState(state: String): void
+setZipCode(zipCode: String): void
+setPhoneNumber(phoneNumber: String): void
+setEmergencyContactName(emergencyContactName: String): void
+setEmergencyContactNumber(emergencyContactNumber: String): void
+buildFullName(): String
+buildAddress(): String
+buildEmergencyContact(): String
+toString(): String

Procedure

-procedureName: String
-procedureDate: String
-practitionerName: String
-prodecureCharges: double

+Procedure()
+Procedure(procedureName: String, procedureDate: String)
+getProcedureName(): String
+getProcedureDate(): String
+getPractitionerName(): String
+getProcedureCharges: double
+setProcedureName(prodecureName: String): void
+setProdecureDate(procedureDate: String): void
+setPractitionerName(practitionerName: String): void
+setProcedureCharges(procedureCharges: double): void
+toString(): String

PatientDriverApp

-patient: Patient
-procedure1: Procedure
-procedure2: Procedure
-procedure3: Procedure

+PatientDriverApp()
+initalizePatient(): void
+initializeProcedure(): void
+displayPatient(patient: Patient): void
+displayProcedure(procedure: Procedure): void
+calculateTotalCharges(procedure1: Procedure, procedure2: Procedure, procedure3: Procedure): double