

Transforming Healthcare: Streamlined Patient Care Coordination Through Comprehensive Database Model

Milestone: RELATIONAL MODEL

Group 10
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Percentage of Effort Contributed by Student1: 50%

Percentage of Effort Contributed by Student2: 50%

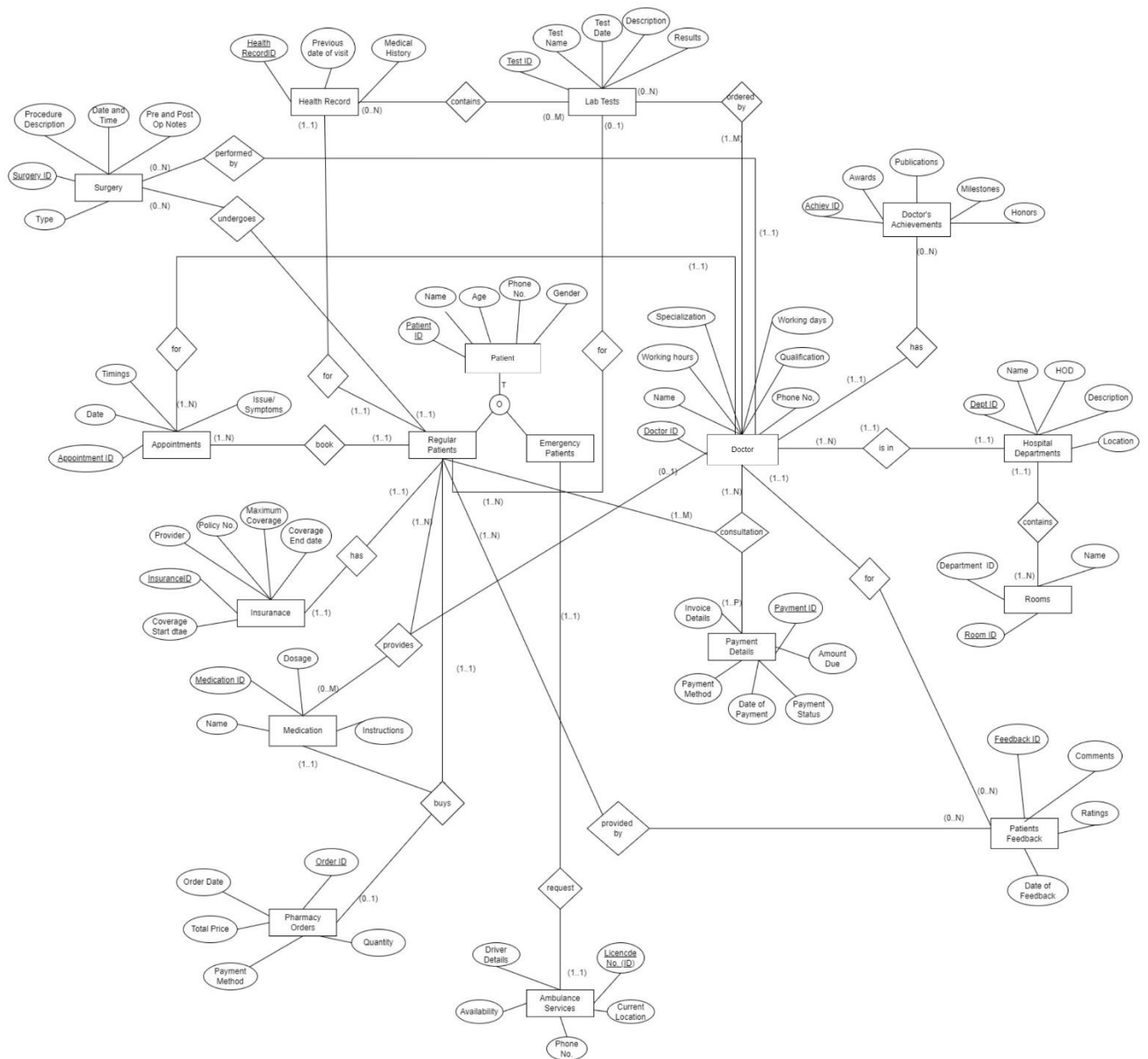
Signature of Student 1: Manikandan Mohan

Signature of Student 2: Kiran Tamilselvan

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CONCEPTUAL MODELLING

EER MODEL:



RELATIONAL MODEL:

Surgery (Procedure Description, surgeryID, Date and Time, Type, Pre n post Op notes, *doctorID*, *patientID*)

Here, *doctorID* is a foreign key and NULL is NOT allowed.

Health Record (Health RecordID, Previous date of visit, Medical-history)

Lab Tests (TestID, Test name, Test date, Description, Results)

Contains (TestID, Health Record-id)

Here, TestID is a foreign key and NULL is NOT allowed.

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Appointments (Appointment-id, date, timings, issue of symptoms, *doctorID*, *patientID*)

Here, *doctorID* is a foreign key and NULL is NOT allowed.

Here, *patientID* is a foreign key and NULL is NOT allowed.

Patient (Patient-id, name, age, phone number, gender)

Regular Patients (PatientID, *testID*,)

Here, *testID* is a foreign key and NULL is allowed.

Emergency Patients (PatiendID, *LicenseCode(ID)*)

Here, *LicenseCode(ID)* is a foreign key and NULL is NOT allowed.

Ambulance Services (Driver details, licenseCode(ID), current location, phone number, availability)

Insurance (InsuranceID, coverage-start-date, provider, policy no, max coverage, coverage-end-date, *patiendID*)

Here, *patiendID* is a foreign key and NULL is NOT allowed.

Medication (MedicationID, dosage, name, instructions)

Med Buys (MedicationID, PatientID, OrderID)

Here, MedicationID is a foreign key and NULL is NOT allowed.

Here, PatientID is a foreign key and NULL is NOT allowed.

Here, OrderID is a foreign key and NULL is allowed.

DocProvidesMed (PatientID, MedicationID, DoctorID)

Here, PatientID is a foreign key and NULL is NOT allowed.

Here, MedicationID is a foreign key and NULL is NOT allowed.

Here, DoctorID is a foreign key and NULL is allowed.

Pharmacy Orders (Order-id, quantity, order-date, total price, payment method)

Doctor (Doctor-id, name, working hours, specialization, working days, qualification, phone number, deptID)

Here, deptID is a foreign key and NULL is NOT allowed.

LabTestsOrderedBy (TestID, DoctorID,)

Here, TestID is a foreign key and NULL is NOT allowed.

Here, DoctorID is a foreign key and NULL is NOT allowed.

Doctor Achievements (Achieve-id, awards, publications, milestones, hours, doctrorID)

Here, doctrorID is a foreign key and NULL is NOT allowed.

Payment Details (PaymentID, Invoice details, amount due, payment method, date of payment, payment status)

Consultation (PatientID, DoctorID, PaymentID)

Here, PatientID is a foreign key and NULL is NOT allowed.

Here, DoctrorID is a foreign key and NULL is NOT allowed.

Here, PaymentID is a foreign key and NULL is NOT allowed.

Hospital Departments (DeptID, name, hod, description, location)

Rooms (RoomID, name, deptID)

Here, deptID is a foreign key and NULL is NOT allowed.

Patients Feedback (FeedbackID, comments, ratings, date of feedback, doctorID)

Here, doctorID is a foreign key and NULL is NOT allowed.

Feedback Provided by (FeedbackID, PatientID)

Here, FeedbackID is a foreign key and NULL is NOT allowed.

Here, PatientID is a foreign key and NULL is NOT allowed.