Entity-Relationship Diagram

Doctor
- Is_Surgeon
- Specialisation_Area
- Specialist
- Paycheck
- Phone_no
- Doctor_Id
- Name
- Address
  - firstname
  - lastname
  - Country
  - Street
  - City
  - State
  - Apt
  - House
  - ZipCode
- Supervisor_Id
- Age
- Date_of_Birth
- Sex
- Date_of_Joining
- Previous_Degrees
  - Field
  - Degree
  - Year
  - College
- Department_Id

Department
- Block_Name
- Floor_No
- Department_Id
- Department_Name
- Department_Head_Id

Relationships:
- IS_HEAD_OF (0,1) — (1,1)
- WORKS_IN (1,1) — (1,N)
- DEPARTMENTAL MEDICAL RECORD (0,N) — (1,1)
- DOCTOR SUPERVISION: Senior(0,N), Junior(0,1), Performance Feedback
- MEDICAL ISSUANCE (1,N) — (1,1)
- SUGERY ASSIGNMENT (1,N)

Prescption
- Case_Id
- Prescption_no
- Medicines

ISSUED_IN (1,1) — (1,N)

Medical_record
- Case_Id
- Case_start_date
- Department_Id
- Doctor_Id
- Recent_visit
- Next_Appointment
- Total_visits
- Patient_Id
- Status

Relationships:
- PATIENT MEDICAL HISTORY (1,1) — (1,N)
- MEDICAL RECORD BILLING (1,1) — (1,1)

Patient
- Diabetic
- Name
  - lastname
  - firstname
- Sex
- Patient_Id
- Past_Medical_cases
- Age
- Insurance_Id
- Phone_No
- Blood_group
- Blood_pressure

Relationships:
- APPOINTMENT SCHEDULING (1,1) — (0,N)
- MONITORS (1,M) — (1,N)
- PATIENT BILLING (1,N) — (1,1)

General_Staff
- Weekly_Hours
- lastname
- firstname
- Name
- Sex
- Date_of_Birth
- Hourly_wage
- Staff_Id
- Shift
- Weekly_wage

Inventory
- Cost_Per_Unit
- Purchase_Date
- Item_Name
- Suppilier_Phone_No
- Available_Stock
- Min_Stock_Level
- Expiry_Date

Receptionist
- lastname
- firstname
- Name
- Sex
- Date_of_Birth
- Paycheck
- Receptionist_Id

Nurse
- Nurse_Id
- Sex
- lastname
- firstname
- Name
- Date_of_Birth
- Previous_Degrees
  - Field
  - Degree
  - Year
  - College
- Paycheck
- Department_Id

Accountant
- lastname
- firstname
- Name
- Sex
- Date_of_Birth
- Paycheck
- Accountant_Id

Invoice
- Consulting_charges
- Case_Id
- Operational_charges
- Medcinal_charges
- Transaction_Id

- In our requirements document we mistakenly added two extra duplicate attributes in our **Inventory** table. So the new table looks like:

Name of Attribute	Data Type	Constraints
Item_Name	varchar(255)	PRIMARY KEY
Supplier_Phone_No	Integer	NOT NULL, 10 Digits
Available_Stock	Integer	NOT NULL
Min_Stock_Level	Integer	NOT NULL
Purchase_Date	Date	NOT NULL
Expiry_Date	Date	NOT NULL
Cost_Per_Unit	Integer	NOT NULL