

Relational Model

DEPARTMENT

DEPARTMENT_ID	NAME	MANAGER	NUM_OF_EMPLOYEES
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Doctor

DOCTOR_ID	LAST_NAME	FIRST_NAME	SSN	SEX	DATE_OF_BIRTH	DEPARTMENT_ID	REPORTING_MANAGER_ID
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Patient

PATIENT_ID	LAST_NAME	FIRST_NAME	SSN	SEX	DATE_OF_BIRTH	ADDRESS	WEIGHT	HEIGHT	PHYSICIAN_ID
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Nurse

NURSE_ID	LAST_NAME	FIRST_NAME	SSN	SEX	DATE_OF_BIRTH	DEPARTMENT_ID
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Staff

STAFF_ID	LAST_NAME	FIRST_NAME	SSN	SEX	DATE_OF_BIRTH	DEPARTMENT_ID
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Appointment

APPOINTMENT_ID	DOCTOR_ID	PATIENT_ID	APPOINTMENT_DATE	TIME	STATUS
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Pharmacy

PHARMACY_ID	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	WEBSITE
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Lab

LAB_ID	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	WEBSITE
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Room

ROOM_ID	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	WEBSITE
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Prescription

PRESCRIPTION_ID	DOCTOR_ID	PATIENT_ID	PRESCRIPTION_DATE	TIME	STATUS
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Invoice

INVOICE_ID	DOCTOR_ID	PATIENT_ID	INVOICE_DATE	TIME	STATUS
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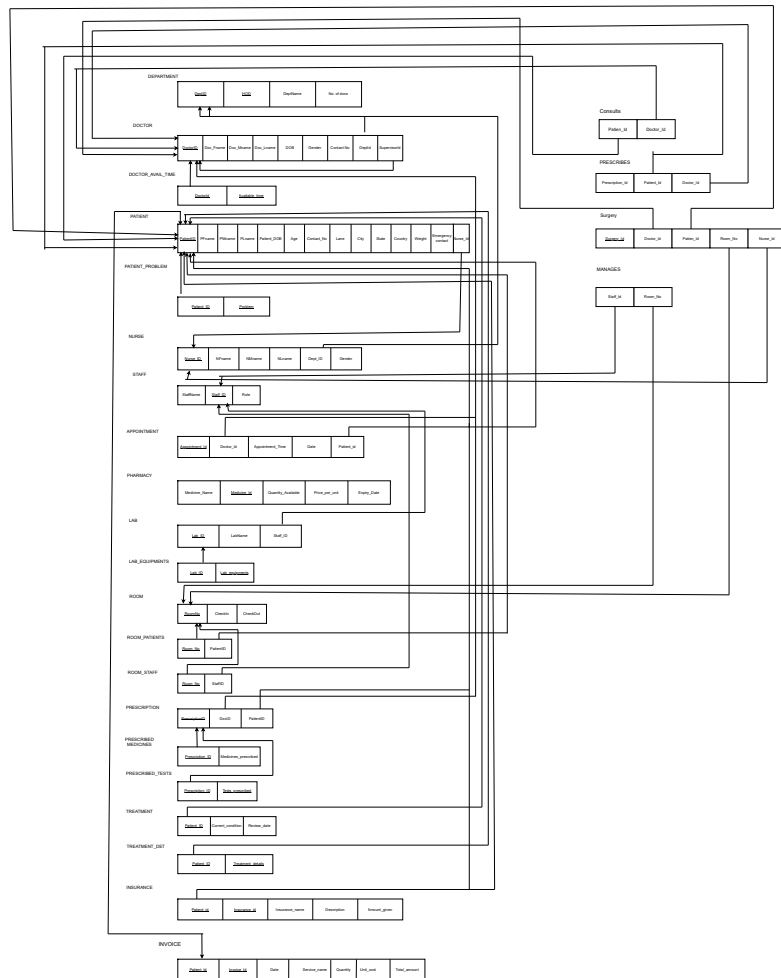
Treatment

TREATMENT_ID	DOCTOR_ID	PATIENT_ID	TREATMENT_DATE	TIME	STATUS
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Insurance

INSURANCE_ID	DOCTOR_ID	PATIENT_ID	INSURANCE_DATE	TIME	STATUS
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1NF:



2NF and 3NF are same as 1NF

Explanation

1NF: First Normal Form means that a relational database has the following rules:

Each column in the table must have a single, atomic value. There should be no repeating groups, arrays, or nested tables in any cell.

Each column must have a unique name. No two columns can have the same name.

Each column must have a data type. No two columns can have the same data type.

2NF: Second Normal Form means that a relational database has the following rules:

Each column in the table must have a single, atomic value. There should be no repeating groups, arrays, or nested tables in any cell.

Each column must have a unique name. No two columns can have the same name.

Each column must have a data type. No two columns can have the same data type.

3NF: Third Normal Form means that a relational database has the following rules:

Each column in the table must have a single, atomic value. There should be no repeating groups, arrays, or nested tables in any cell.

Each column must have a unique name. No two columns can have the same name.

Each column must have a data type. No two columns can have the same data type.