DBMS MINI PROJECT

HOSPITAL MANAGEMENT SYSTEM

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This Document contains some important Functions and schema of Hospital Management System

Functions

1) Patients(N) got *Treated by* Doctor(1) in the Hospital

2) Patients(N) are *Admitted in* Hospital(1)

3) Patient(1) is *Cared by* Nurse(1) in the Hospital

4) Patient(1) *Holds* some Medical Record(1)

5) Nurses(N) *Serves in* Hospital(1)

6) Doctors(N) Works *in* Hospital(1)

7) Hospital(1) *Contains* Wards/Rooms(N)

8) Wards/Rooms(N) *Governed* by Nurses(N)

9) Hospital(1) *Has* Receptionist(1)

10) Receptionist(1) *Maintains* Records(N) like appointments,

Schema

➢ **Patient (**

PFirstName: CHAR(20) NOT NULL,

PLirstName: CHAR(20),

PI'd: VARCHAR(10) NOT NULL PRIMARY KEY,

PAddress: VARCHAR(50), NOT NULL,

PDateOfBirth: DATE,

PDiagnosis: VARCHAR(50),

PContact: INTEGER CHECK (Pcontact <=9999999999 AND

Pcontact >= 0000000000)

)

➢ **Hospital (**

HName: CHAR(20) NOT NULL PRIMARY KEY,

HCity: CHAR(20) NOT NULL,

HAddress: VARCHAR(50)

)

➢ **Medical Record (**

Record I'd: VARCHAR(10) NOT NULL PRIMARY KEY,

Problem: VARCHAR(50) NOT NULL FOREIGN KEY,

DateOfExamination: DATE

)

➢ **Doctor(**

DFirstName: CHAR(20) NOT NULL,

DLirstName: CHAR(20),

DI'd: VARCHAR(10) NOT NULL PRIMARY KEY,

Dsex: CHAR(1) NOT NULL,

DQualification: CHAR (10),

DContact: INTEGER CHECK (Pcontact <=9999999999 AND

Pcontact >= 0000000000)

)

➢ **Nurse(**

  NFirstName: CHAR(20) NOT NULL,

  NLirstName: CHAR(20),

  NI'd: VARCHAR(10) NOT NULL,

  NSalary: INTEGER,

  NContact: INTEGER CHECK (Pcontact <=9999999999 AND

                    Pcontact >= 0000000000)

)