

Clinic Data Base Management System

Overview

A charity Clinic management system is one of the sections in which the clinics maintain patient's record and organize the employees work.

The patient can go to a private doctor for general checkup.

The system provides control and management in an organized way.

1-The system should be able to keep the records of the patient and the report allotted to them.

2-patient should be able to go to any doctor.

3-The manager can hire nurses to help doctors.

4-Can access to the details of customers payments.

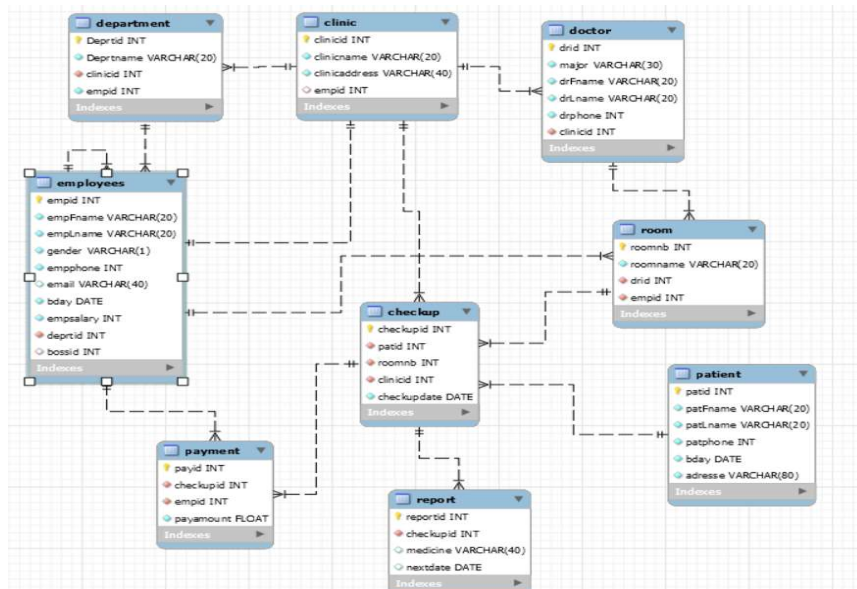
5- Can access to the employees, patients, and doctors information.

Activities

Entities relation:

Tables:

- Clinic (clinicid ,clinicname,clinicaddress,empid)
- Department (Deprtid ,Deprtname,clinicid,empid)
 - fk_department_Clinic (clinicid)
- Employees(empid,empFname,empLname,gender,empphone,email,bday,empsalary,deprtid,bossid)
 - fk_employees_department (deprtid)
 - fk_employees_boss (bossid)
- doctor (drid ,major,drFname,drLname,drphone,clinicid)
 - fk_doctor_clinic (clinicid)
- patient (patid , patFname , patLname , patphone , bday , adresse)
- room (roomnb , roomname , drid , empid)
 - fk_room_employees (empid)
 - fk_room_doctor (drid)
- checkup (checkupid , patid , roomnb ,clinicid, checkupdate)
 - fk_checkup_clinc (clinicid)
 - fk_checkup_patient (patid)
 - fk_checkup_room (roomnb)
- report (reportid , checkupid , medicine , nextdate)
 - fk_report_checkup (checkupid)
- payment (payid , checkupid , empid , payamount)
 - fk_payment_checkup (checkupid)
 - fk_payment_employees (empid)



Queries

1. Report a Patient, doctor and nurses names for each check up

checkupid	patFname	drFname	empFname
6924511	Mark	Alex	sally
6924512	Rita	Mariam	Ali
6924513	Dani	Hassan	Elie
6924514	Dawoud	Hassan	Elie
6924521	Mike	Abed	Sami
6924523	yassin	Abed	Sami
6924522	Chris	Murad	Daniela
6924524	Habib	Murad	Daniela
6924525	Vera	Rayan	Nour

2. Report the information about patient who use medicine end with 'dol'

checkupid	patFname	drFname	medicine
6924511	Mark	Alex	panadol
6924513	Dani	Hassan	blabladol
6924522	Chris	Murad	panadol
6924524	Habib	Murad	panadol
6924525	Vera	Rayan	faladol

3. Report the count of patient visit each clinic .

clinicname	number of patient
Alpha clinic Hamra	4
Alpha clinic Mazraa	5

4. List the names of the nurse who earn more than salary average

empFname	empsalary
sally	800
Daniela	800

5. average ages of patient in each clinic

clnicid	patFname	Avg ('2020'-YEAR(bday))
11	Mark	46
22	Mike	34.4

6. report who doctor do Received the patient order from maximum to minimum in each clinic

clinicname	drFname	patient nb
Alpha clinic Hamra	Hassan	2
Alpha clinic Mazraa	Abed	2
Alpha clinic Mazraa	Murad	2
Alpha clinic Hamra	Alex	1
Alpha clinic Hamra	Mariam	1
Alpha clinic Mazraa	Rayan	1

7. Report all checkup (date “2020-10-01”) for which a next date is recorded

clinicname	patFname	drFname	roomname	nextdate
Alpha clinic Hamra	Mark	Alex	PDroom	2020-10-10
Alpha clinic Mazraa	Mike	Abed	PDroom	NULL
Alpha clinic Mazraa	Chris	Murad	OGrrm	2020-10-10
Alpha clinic Mazraa	yassin	Abed	PDroom	2020-10-11
Alpha clinic Mazraa	Habib	Murad	OGrrm	2020-10-10

8. report all employees and doctors contact with each patient

checkupid	patient	Doctor	employees	Deprtname
6924511	Mark	Alex	sally	nursing
6924511	Mark	Alex	Shirin	cashier
6924512	Rita	Mariam	Ali	nursing
6924512	Rita	Mariam	Shirin	cashier
6924513	Dani	Hassan	Elie	nursing
6924513	Dani	Hassan	Shirin	cashier
6924514	Dawoud	Hassan	Elie	nursing
6924514	Dawoud	Hassan	Shirin	cashier
6924521	Mike	Abed	Sami	nursing
6924521	Mike	Abed	Samir	cashier
6924522	Chris	Murad	Daniela	nursing
6924522	Chris	Murad	Samir	cashier
6924523	yassin	Abed	Sami	nursing
6924523	yassin	Abed	Samir	cashier
6924524	Habib	Murad	Daniela	nursing
6924524	Habib	Murad	Shirin	cashier
6924525	Vera	Rayan	Nour	nursing
6924525	Vera	Rayan	Shirin	cashier

9. decrease 20% from patient id (333311)

Before:

payid	checkupid	empid	payamount
104701	6924511	11141	15000
104702	6924512	11141	15000
104703	6924513	11141	15000
104704	6924514	11141	15000
104740	6924521	22241	15000
104750	6924522	22241	15000
104760	6924523	22241	15000
104770	6924524	11141	15000
104780	6924525	11141	15000
NULL	NULL	NULL	NULL

After:

payid	checkupid	empid	payamount
104701	6924511	11141	12000
104702	6924512	11141	15000
104703	6924513	11141	15000
104704	6924514	11141	15000
104740	6924521	22241	15000
104750	6924522	22241	15000
104760	6924523	22241	15000
104770	6924524	11141	15000
104780	6924525	11141	15000
NULL	NULL	NULL	NULL

:

10. create view patient file

clinicname	checkupid	patient	Doctor	medicine	checkupdate	nextdate	payamount
Alpha clinic Hamra	6924511	Mark	Alex	panadol	2020-10-01	2020-10-10	12000
Alpha clinic Hamra	6924512	Rita	Mariam	drartonive	2020-10-02	2020-10-11	15000
Alpha clinic Hamra	6924513	Dani	Hassan	blabladol	2020-10-02	2020-10-10	15000
Alpha clinic Hamra	6924514	Dawoud	Hassan	hamitotive	2020-10-02	2020-10-10	15000
Alpha clinic Mazraa	6924521	Mike	Abed	NULL	2020-10-01	NULL	15000
Alpha clinic Mazraa	6924522	Chris	Murad	panadol	2020-10-01	2020-10-10	15000
Alpha clinic Mazraa	6924523	yassin	Abed	spactactoo	2020-10-01	2020-10-11	15000
Alpha clinic Mazraa	6924524	Habib	Murad	panadol	2020-10-01	2020-10-10	15000
Alpha clinic Mazraa	6924525	Vera	Rayan	faladol	2020-10-02	2020-10-10	15000

Business Improvement

this system helps the clinic to controlling and organizing and provide best result and servers to his Patient