

Hotel Data Base Management System

Overview:

A hotel reservation and workers management system is one in which the hotel maintains a record of the guest.

A guest should book room/rooms in any category, these records help in generating the final bill to the front desk staff.

And our system provides control and organize work of workers.

The hotel data base management system should be able to satisfy the following requirements:

1. The system should be able to keep the records of the guests and the room allotted to them.
2. Guests should be able to book any room category
3. The manger can organized the work of cleaners in any rooms
4. Can access to the details of the payment customers.
5. Can access to the employees information

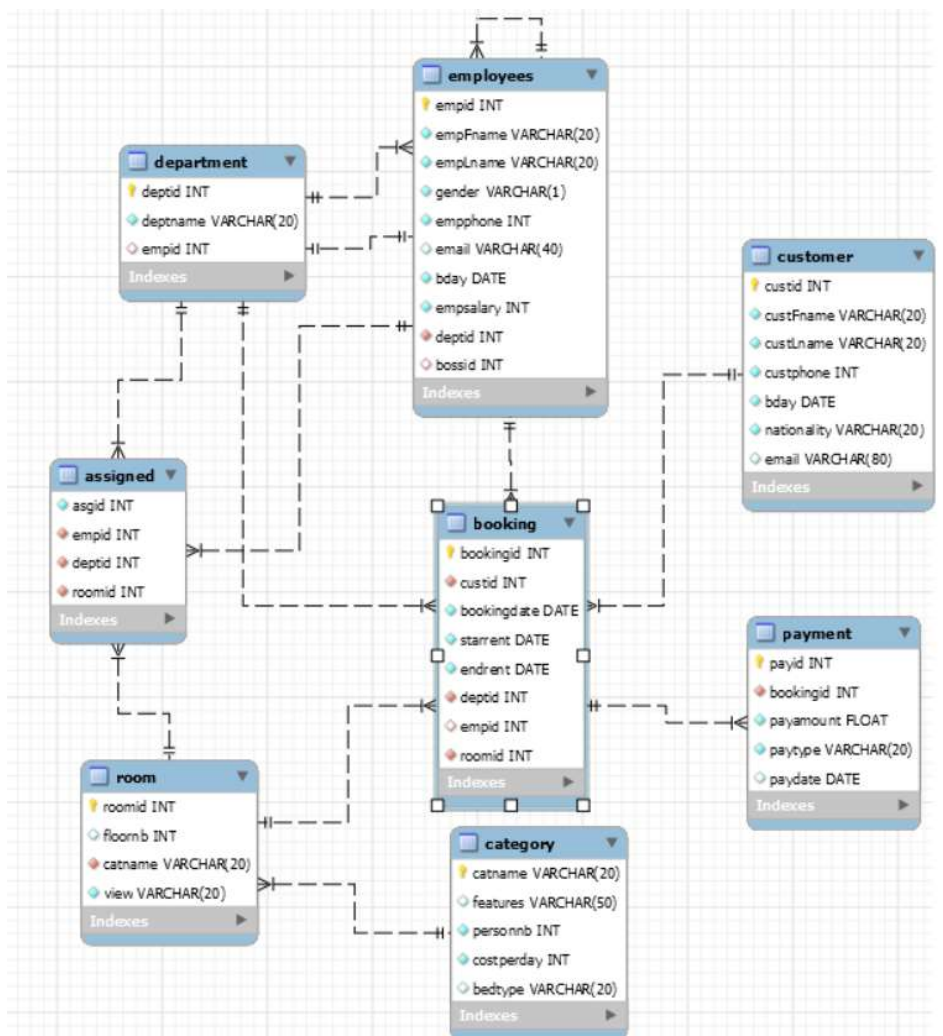
Activities

• Entities relation:

Tables:

- department(deptid ,deptname , empid)
- employees
(empid,empFname,empLname,gender,empphone,email,bday,empsalary,deptid,bossid)
 - fk_employees_department (deptid)
 - fk_employees_boss (bossid)
- customer (custid,custFname,custLname,custphone,bday,nationality,email)
- category (catname,personnb , costperday,bedtype,features)

- room (roomid,floornb , catname,view)
 - fk_room_category (catname)
- assigned (asgid,empid , deptid,roomid)
 - fk_assigned_employees (empid)
 - fk_assigned_emdepartment (deptid)
 - fk_assigned_room (roomid)
- booking (bookingid,custid,bookingdate,starrent,endrent,deptid,empid,roomid)
 - fk_booking_customer (custid)
 - fk_booking_department (deptid)
 - fk_booking_employees (empid) (empid),
 - fk_booking_room (roomid) (roomid))
- payment (payid,bookingid,payamount,paytype,paydate)
 - fk_payment_booking (bookingid)



Queries :

1. Report the Customer information of rooms has a kitchen.

	custFname	custLname	nationality	roomid	floornb	catname
►	Dani	Tanshoud	Tunissian	301	3	Queen
	Mike	Markano	italian	402	4	Studio
	Vanessa	Tawst	colombian	302	3	Queen
	ali	zahzah	lebanesse	401	4	Studio

2. Report an employee's name and department name for each booking.

	bookingid	empid	empFname	deptname
►	6474014	7289521	Nivin	Reservation
	6474026	7289631	Elie	Reservation
	6474035	7289631	Elie	Reservation
	6474147	7289631	Elie	Reservation
	6474159	7289521	Nivin	Reservation
	6474247	7289638	Lina	Reservation
	6474258	7289638	Lina	Reservation
	6474267	7289638	Lina	Reservation

3. List the names of the employees who earn more than salary average

	empFname	deptname
►	Karim	Management
	Nisreen	Management
	Samir	Management

4. Report the count of different category of room cleaned by each employee

	empFname	deptname	CATname	count(room.roomid)
►	Sami	Cleaning	Double	3
	Hassan	Cleaning	Queen	2
	Noura	Cleaning	Single	4
	Hassan	Cleaning	Studio	2

5. report who do the max amount of reservation employees

	empFname	Max amount
►	Elie	610
	Lina	510
	Nivin	375

6. report all employees contact with customer

	custid	custFname	empfname	deptname
▶	3478123	Mark	Nivin	Reservation
	3478123	Mark	Noura	Cleaning
	3478147	Rita	Elie	Reservation
	3478147	Rita	Sami	Cleaning
	3478159	Dani	Elie	Reservation
	3478159	Dani	Hassan	Cleaning
	3478258	Mike	Elie	Reservation
	3478258	Mike	Hassan	Cleaning
	3478268	Chris	Nivin	Res Reservation
	3478268	Chris	Noura	Cleaning
	3479518	Vera	Lina	Reservation
	3479518	Vera	Sami	Cleaning
	3479632	Vanessa	Lina	Reservation
	3479632	Vanessa	Hassan	Cleaning
	3479874	ali	Lina	Reservation
	3479874	ali	Hassan	Cleaning

7. report the number of days for each booking

	custid	custFname	Nb of days
	3478147	Rita	12
	3479518	Vera	5
	3478159	Dani	7
	3479632	Vanessa	3
	3478123	Mark	10
	3478268	Chris	15
	3479874	ali	8
	3478258	Mike	4

8. Report all booking for Lebanese customers exist in single room

	bookingid	custid	custFname
▶	6474159	3478268	Chris

9. create a view voucher

	custFname	custLname	nationality	Nb of days	catname	roomid	total amount	paydate	paytype	empfname
	Rita	Touma	Lebanesse	12	Double	202	240	2020-02-02	Cash	Elie
	Vera	Sando	Canedian	5	Double	203	100	2020-04-05	Cash	Lina
	Dani	Tanshoud	Tunissian	7	Queen	301	210	2020-02-10	Visa	Elie
	Vanessa	Tawst	colombian	3	Queen	302	90	2020-03-07	Visa	Lina
	Mark	Tomsed	Canedian	10	Single	103	150	2020-01-16	Cash	Nivin
	Chris	Mrad	lebanesse	15	Single	104	225	2020-03-15	Visa	Nivin
	ali	zahzah	lebanesse	8	Studio	401	320	2020-04-10	Cash	Lina
	Mike	Markano	italian	4	Studio	402	160	2020-02-20	Cash	Elie

10. update the cost per day increase 20% for studio

BEFORE

	catname	features	personnb	costperday	bedtype
	Double	wifi,AC,Bathroom	2	20	single
	Queen	wifi,AC,Mini-kitshen,Bathroom	2	30	Queen-size
	Single	wifi,AC,Bathroom	1	15	single
▶	Studio	wifi,AC,Mini-kitshen,Bathroom	4	40	Queen-size/single
•	NULL	NULL	NULL	NULL	NULL

AFTER

	catname	features	personnb	costperday	bedtype
	Double	wifi,AC,Bathroom	2	20	single
	Queen	wifi,AC,Mini-kitshen,Bathroom	2	30	Queen-size
	Single	wifi,AC,Bathroom	1	15	single
▶	Studio	wifi,AC,Mini-kitshen,Bathroom	4	48	Queen-size/single
•	NULL	NULL	NULL	NULL	NULL

Business Improvement

this system helps the owner to controlling and organizing the hotel to provide best result and servers to his costumers.