

# **HOSPITAL MANAGEMNT SYSTEM IN DATA BASE MANAGEMENT SYSTEM**

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## **INTRODUCTION**

This project is regarding Hospital Management system includes registration of patients, storing data their disease details into the system. It will also contain doctor's information and will digitalize the whole billing system. My software has the facility to give a unique id for every patient and stores the details of every patient and staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id.

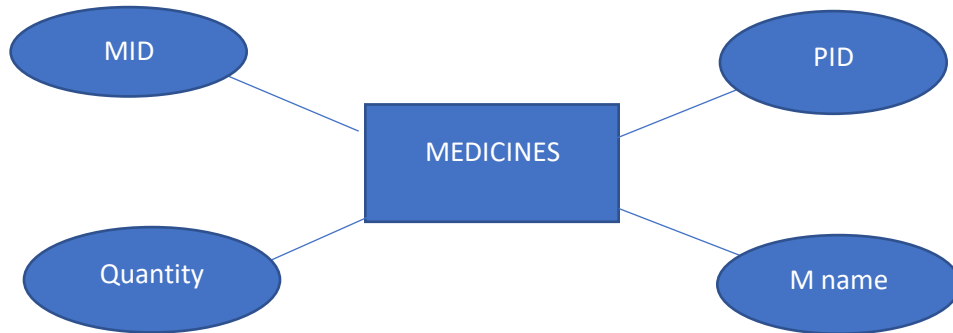
The Hospital management System is developed to decrease the work that is done manually at Hospital centers. Every single step is done with the help of system, services such as employee registration, editing of different types such as employees, students into database, inquiries as well as complaints of customers. This Hospital management System will help in reducing lots of paper work and file work in these hospitals which will make easy management of hospital. It will also provide all the latest information to the management and hospital administration wherever they ask.

In this hospital management system, there are several categories such as:

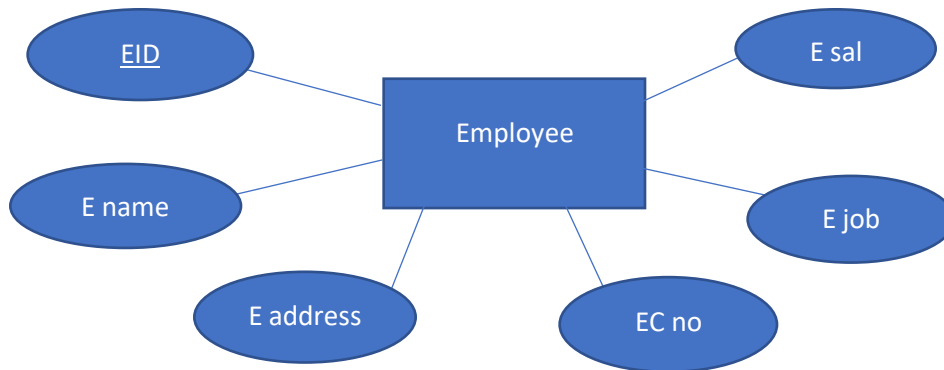
1. Patient details
2. Rooms information
3. Information about doctor
4. Billing
5. Medicines
6. Receptionist
7. Nurse

# HospitalManagement System:

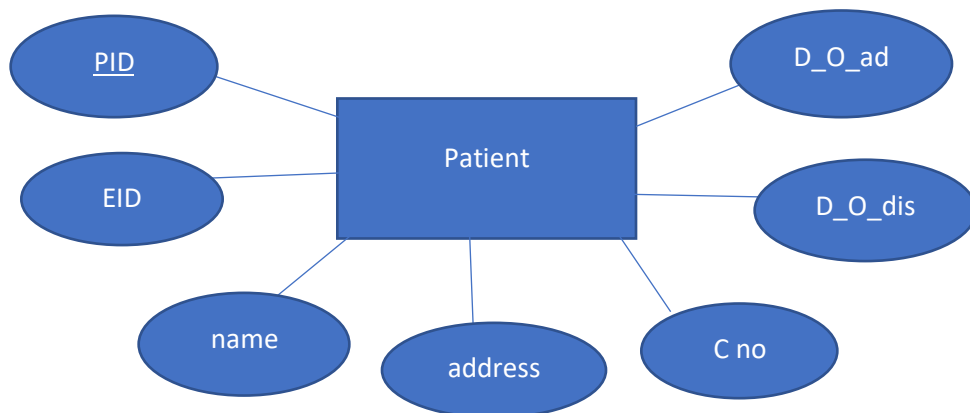
Medicines(entity)



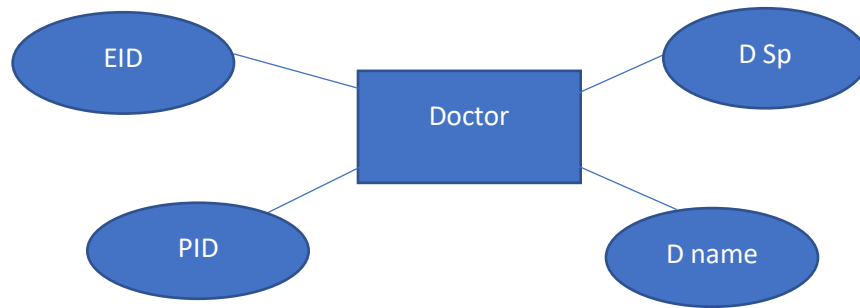
Employee(entity)



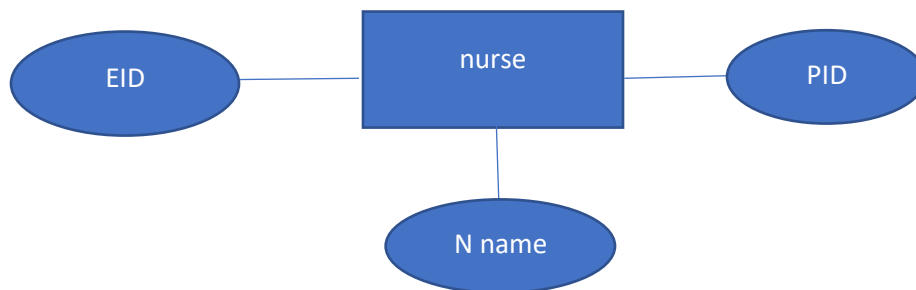
Patient(entity)



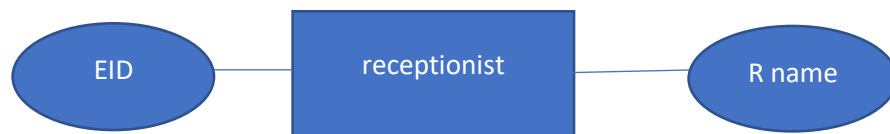
Doctor(entity)



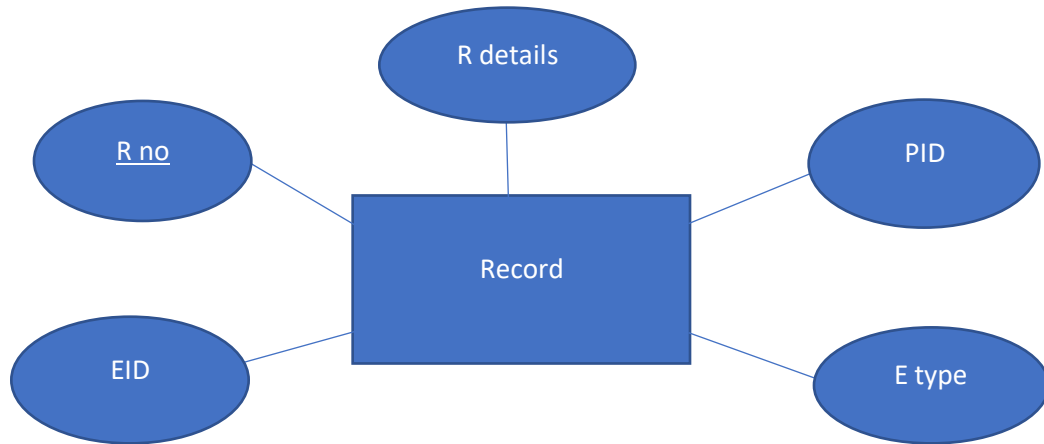
Nurse(entity)



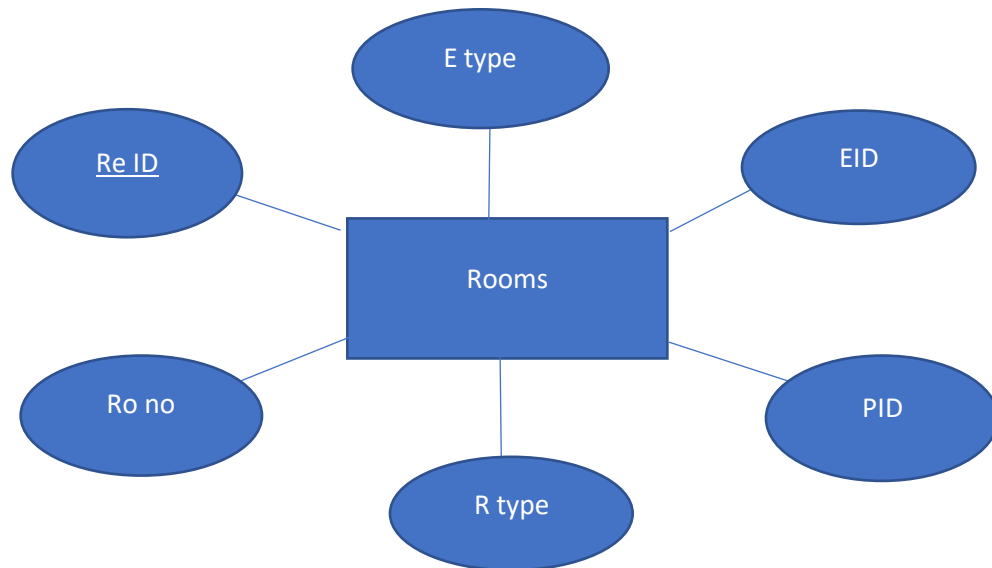
Receptionist(entity)



### Records(entity)



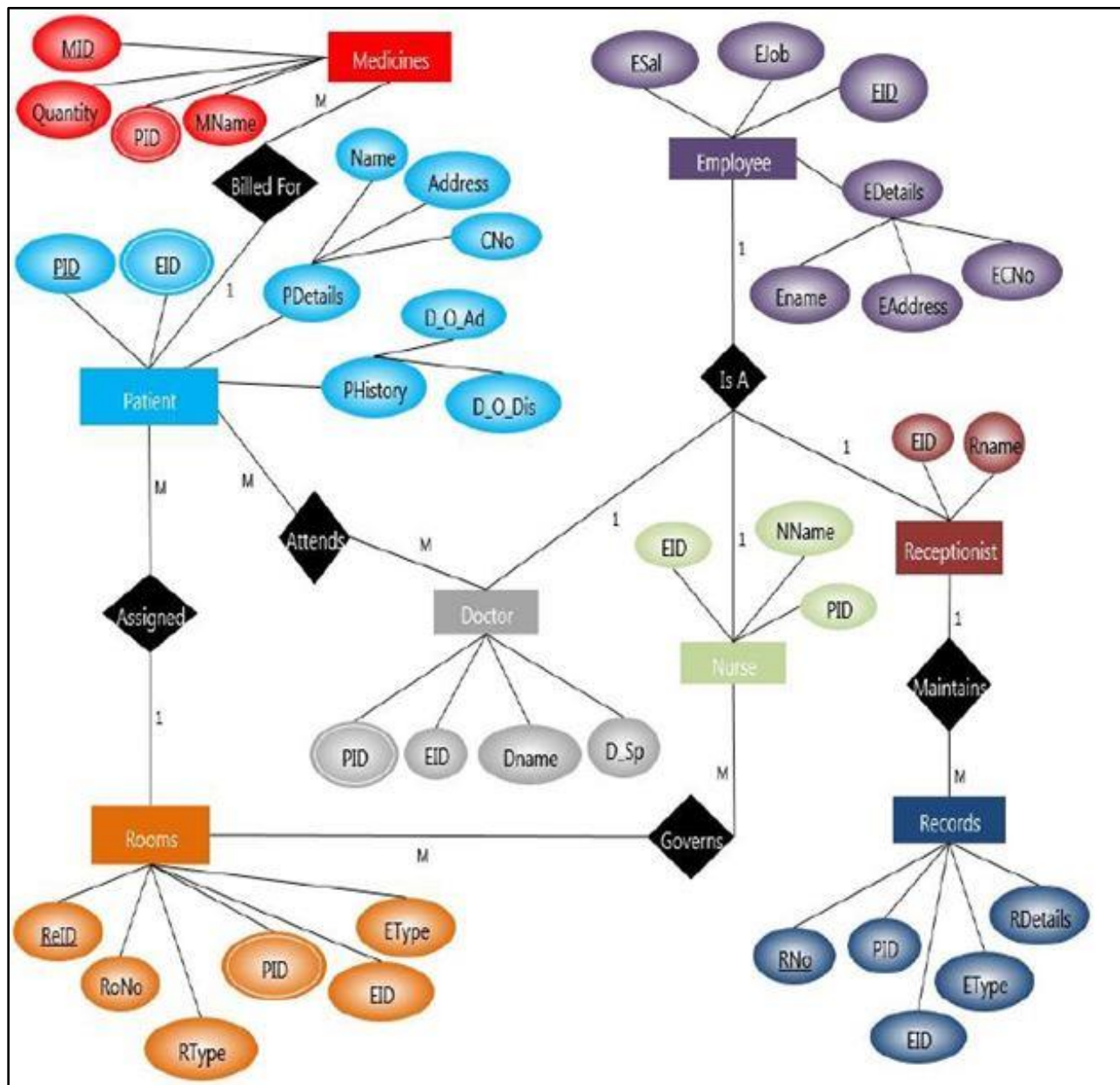
### Rooms(entity)



Medicines(entity)



## E R DIAGRAM FOR HOSPITAL MANAGEMENT:



### CONCEPT DESIGN WITH E-R MODEL:

**AIM:** Represent all the entities (Strong, Weak) in tabular fashion. Represent relationships in a tabular fashion. There are different ways of representing relationships as tables based on the cardinality. Represent attributes as columns in tables or as tables based on the requirement. Different types of attributes (Composite, Multi-valued, and Derived) have different way of representation.

The following are tabular representation of the above entities and relationships.

## Tables

**Table1:Employee**

Attribute	Description	Datatype	Condition
EID	Employee ID	Varchar2	Primary key
Ename	Employee name	Varchar2	
EAddress	Employee address	Varchar2	
ECno	Contact number	number	
Ejob	Job description	Varchar2	
Esal	Employee salary	number	

**Table:Patient**

Attribute	description	Datatype	Condition
PID	Patient ID	Varchar2	Primary key
EID	Employee ID	Varchar2	Foreign key(ref-employee)
Name	Patient name	Varchar2	
Address	Patient address	Varchar2	
C no	Contact no	Number	
D_O_Ad	Date of admission	Varchar2	
D_o_Dis	Date of discharge	Varchar2	

**Table: Doctor**

Attribute	Description	Datatype	Condition
EID	Employee ID	Varchar2	Foreign key(ref-employee)
PID	Patient ID	Varchar2	Foreign key(ref-patient)
D Name	Doctor's name	Varchar2	
D_sp	Specialization	Varchar2	

**Table: Nurse**

Attribute	Description	Datatype	Condition
EID	Employee ID	Varchar2	Foreign key(refemployee)
PID	Patient ID	Varchar2	Foreign key(ref-patient)
N name	Nurse's name	Varchar2	



**Table: Receptionist**

Attribute	Description	Datatype	Condition
EID	Employee ID	Varchar2	Foreign key(refemployee)
R name	Receptionist's name	Varchar2	

**Table: Records**

Attribute	Description	Datatype	Condition
R no	Record number	Varchar2	Primary key
PID	Patient ID	Varchar2	Foreign key(ref-patient)
EID	Employee ID	Varchar2	Foreign key(refemployee)
E type	Employee type	Varchar2	
R details	Record details	Varchar2	

**Table: Rooms**

Attribute	Description	Datatype	Condition
Re ID	Room record ID	Varchar2	
R type	Room type	Varchar2	
Ro no	Room number	Varchar2	
PID	Patient ID	Varchar2	Foreign key(ref-patient)
EID	Employee ID	Varchar2	Foreign key(refemployee)
E type	Employee type	Varchar2	

**Table: Medicines**

Attribute	Description	Datatype	Condition
PID	Patient ID	Varchar2	Foreign key(ref-patient)
MID	Medicine ID	Varchar2	Primary key
Quantity	Quantity	Number	
M name	Medicine name	Varchar2	