# TABLE OF CONTENTS

TABLE OF CONTENTS	1
REQUIREMENT SPECIFICATIONS	2
Introduction	2
Working	2
Requirement	3
ENTITY RELATIONSHIP DIAGRAM	5
SCHEMA DIAGRAM	6
SCHEMA	7
KEY AREAS OF SCHEMA	14
VIEWS	18
APPENDIX	25
Schema Files	25
Views Creation	26

# REQUIREMENT SPECIFICATIONS

## Introduction

Hospital Management System is majorly to organise Patients, Employees and Services provided. Patients are the customers of the Hospital Management System, every data corresponding to the Patients must be stored and they must be provided with Services or Medication requested.

# Working

The flow of Hospital Management System is as below There are three categories of persons who enter the Hospital. Patient, the person who is entering the Hospital for medical treatment. Visitor, the person who is entering the Hospital for visiting other patients. Emergency Patient, the person who is entering the Hospital with dire need of medical attention. In the case of an Emergency Patient the information collected need not be collected with the information, they are assigned with an id and rushed to the emergency ward. The patient can either avail the services which require no doctor prescription, provided by the hospital like Blood test, Urine test, Coronavirus test, ECG, X-Ray, Medicines etc or book an appointment to visit the doctor. The appointment booking will be for a doctor who is an expert in the area in which the patient requires consultation. The doctor then consults the patient either asking him to avail the services like MRI Scanning, CT Scanning, X-Ray, Blood test, medicines or in more serious situations perform surgery on the patient. The details regarding the surgeries are also stored. The surgeries are scheduled in operation theatres, so the assignment of an operation theatre to a patient is very crucial. After the surgery the patient is admitted into admit rooms and advised to stay in the admit rooms for a certain period of time before discharging from the hospital. Emergency patients and surgery undergoing patients are attended by the nurses. Who are the employees of the hospital like doctors? Employees are the backbone of the hospital.

The commercial part of the Hospital Management System relies on three major commodities. Services availment, Surgery payments. After the patient avails the services provided by the hospital, he needs to make the payment. Also, bills generated from the surgery of the patient need to be paid. It is also the hospital's responsibility to store the records of patients who are deceased.

# Requirement

There is a requirement to store the data corresponding to Patients, the persons who enter the hospital intending to get medical attention or avail any non-prescribed services. So, that the further procedures of the patient can be kept track of starting from here. Their details are to be stored.

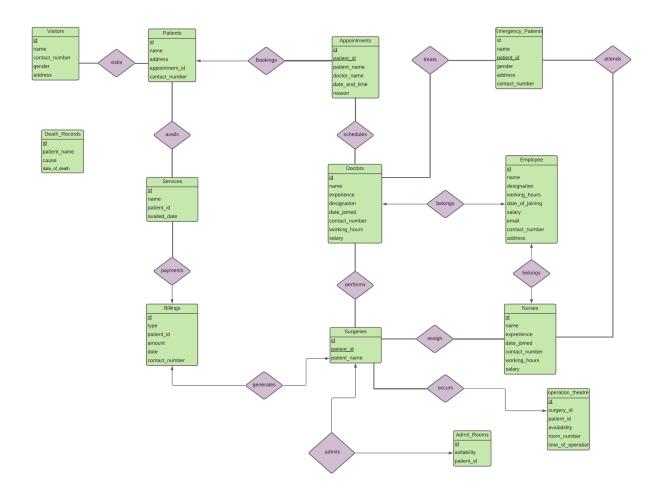
Visitors, the persons who enter the hospital intending to visit patients in the hospital. Each visitor is given a visitor id, so that they are restricted to visit only the patient they are related to and only at certain periods of time. Their details such as contact number, address are collected for storing in case of any mishappening related to the visitor and the patient they visit. Storing the details of emergency patients is another key requirement. But the patients need not provide the details prior to their admit into the hospital, they or their guardians can provide the hospital with the details post treatment.

Services like Blood test, Urine test, Coronavirus test, ECG, MRI scanning, CT scanning, X-Ray etc availed by each patient is to be stored. So, that each patient can be linked to the tests and find out the results corresponding to the test. The doctors can also prescribe any test which the patient then avails, and provides the doctor with reports. The doctor can make the diagnosis or perform any surgery based on the reports. The surgery details are stored with the corresponding patient id, there may be a lot of doctors operating on a single patient. The complete data of the doctors operated on the patient in the surgery is to be stored.

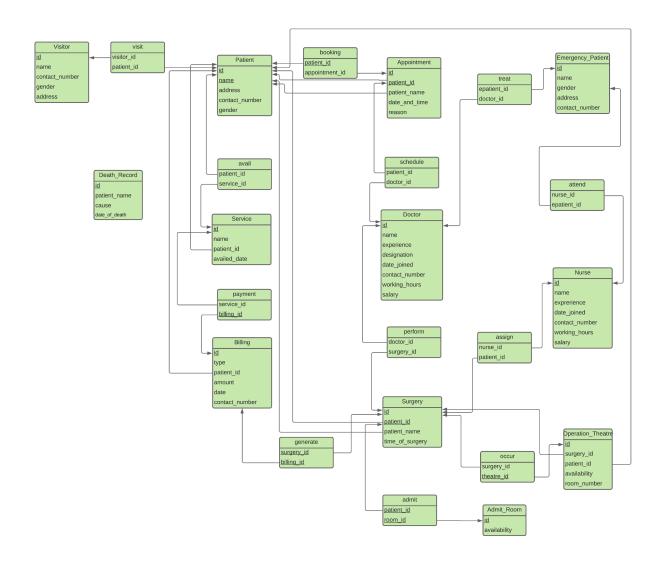
Billing details are the commercial aspect of the hospital. Bill corresponding to each service, surgery is to be stored along with the patient id. This way total payment of each patient can be kept track of.

Employees data is also to be stored, to provide them their salary on time and keep track of their information for the times of any mishappening. Rooms are intended to be of two types, operation theatres and admit rooms, the patient undergoing a surgery is related to the operation theatre in which their surgery takes place and the admit room where he is admitted after the surgery or in case of any mild medication. The details corresponding to the rooms are to be stored. Also, the details of patients who died due to unfortunate circumstances in the hospital are recorded and stored.

# **ENTITY RELATIONSHIP DIAGRAM**



# **SCHEMA DIAGRAM**



# **SCHEMA**

```
MariaDB [hospital]> show tables;
| Tables_in_hospital |
| Admit_Room
| Appointment
| Billing
| Death_Record
| Doctor
| Emergency_Patient
Nurse
| Operation_Theatre
| Patient
Service
| Surgery
| Visitor
admit
| assign
attend
avail
| booking
generate
occur
| payment
| perform
schedule
| treat
| visit
24 rows in set (0.003 sec)
```

Field	Type	Null	Key	Default	Extra
id	varchar(10)	N0	PRI	NULL	
patient_id	varchar(10)	NO	PRI	NULL	
patient_name	varchar(50)	YES		NULL	
date_and_time	datetime	YES		NULL	
reason	varchar(80)	YES		NULL	i

MariaDB [hospital]> describe Billing;							
Field	Туре	Null	Key	Default	Extra		
id   type   patient_id   amount   date   contact_number	varchar(10)   varchar(10)   varchar(10)   float   datetime   varchar(10)	NO YES YES YES YES YES	PRI     MUL   	NULL NULL NULL NULL NULL			
++++++-++-++-+							

MariaDB [hospital]> describe Death_Record;							
Field	Туре	Null	Key	Default	Extra		
id   patient_name   cause   date_of_death	varchar(10) varchar(50) varchar(50) datetime	YES	PRI   	NULL NULL NULL NULL			
4 rows in set (0.009 sec)							

MariaDB [hospital]> describe Doctor;							
Field	Туре	Null	Key	Default	Extra		
id   name   experience   designation   date_joined   contact_number   working_hours   salary	varchar(10)   varchar(50)   float   varchar(20)   date   varchar(10)   float   float	NO YES YES YES YES YES YES YES	PRI	NULL NULL NULL NULL NULL NULL NULL NULL			
8 rows in set (0.0	++ 8 rows in set (0.013 sec)						

MariaDB [hospital]> describe Emergency_Patient;								
Field	   Type	Null	Key	Default	Extra			
id   name   gender   address   contact_number		YES YES YES	PRI     	NULL NULL NULL NULL				
++ 5 rows in set (0.015 sec)								

MariaDB [hospital]> describe Nurse;							
Field	Туре	Null	Key	Default	Extra		
id   name	varchar(10) varchar(50)	NO YES	PRI	NULL			
experience	float   date	YES     YES		NULL	!!		
date_joined   contact_number	varchar(10)	YES		NULL			
working_hours	float	YES	!!!	NULL			
salary	float	YES		NULL			
7 rows in set (0.011 sec)							

MariaDB [hospital]> describe Operation_Theatre;							
Field	Туре	Null	Key	Default	Extra		
id   surgery_id   patient_id   availability   room_number	varchar(10)   varchar(10)   varchar(10)   tinyint(1)   int(10)	N0 YES YES YES YES	MUL	NULL NULL NULL NULL			
o rows in set (0.008 sec)							

MariaDB [hospital]> describe Patient;						
Field	Туре	Null	Key	Default	Extra	
id   name   address   contact_number   gender		NO NO YES YES YES	PRI PRI	NULL NULL NULL NULL		

MariaDB [hospital]> describe Service;						
Field	Туре	Null	Key	Default	Extra	
id   name   patient_id   availed_date	varchar(10) varchar(50) varchar(10) datetime	NO YES YES YES	į į	NULL NULL NULL NULL		

MariaDB [hospital]> describe Surgery;						
Field	Туре	Null	Key	Default	Extra	
id   patient_id   patient_name   time_of_surgery	varchar(10)   varchar(10)   varchar(50)   datetime	•	PRI   PRI 	NULL NULL NULL NULL		
4 rows in set (0.008 sec)						

```
MariaDB [hospital]> describe Visitor;
 Field
                                | Null | Key | Default | Extra
                 | Type
 id
                  varchar(10) | NO
                                        PRI | NULL
                   varchar(50)
                               I YES
                                              NULL
                                              NULL
 contact_number
                   varchar(10)
                                 YES
 gender
                   varchar(10) | YES
                                              NULL
 address
                   varchar(80) | YES
                                              NULL
5 rows in set (0.010 sec)
MariaDB [hospital] > describe admit;
| Field
             | Type
                            | Null | Key | Default | Extra
| patient id | varchar(10) | NO
                                   I PRI I NULL
             | varchar(10) | NO
 room_id
                                   | PRI |
                                          NULL
2 rows in set (0.011 sec)
MariaDB [hospital]> describe assign;
| Field
              | Type
                            | Null | Key | Default | Extra
             | varchar(10) | YES
| nurse id
                                   I MUL I NULL
 | patient id | varchar(10) | YES
                                    MUL | NULL
2 rows in set (0.008 sec)
MariaDB [hospital]> describe attend;
| Field
                             | Null | Key | Default | Extra
               | Type
 | nurse id
               | varchar(10) | YES
                                      MUL | NULL
 | epatient_id | varchar(10) | YES
                                      MUL | NULL
2 rows in set (0.007 sec)
MariaDB [hospital] > describe avail;
| Field
             | Type
                            | Null | Key | Default | Extra
| patient_id | varchar(10)
                           | YES
                                   | MUL | NULL
 service_id | varchar(10)
                             YES
                                    MUL | NULL
```

2 rows in set (0.008 sec)

```
MariaDB [hospital]> describe booking;
| Field
                  Type
                               | Null | Key | Default | Extra
| patient_id
                 | varchar(10) | NO
                                       PRI | NULL
 appointment_id | varchar(10) | YES
                                       MUL | NULL
2 rows in set (0.008 sec)
MariaDB [hospital]> describe generate;
| Field
             | Type
                           | Null | Key | Default | Extra
PRI I
                                        NULL
 | billing id | varchar(10) |
                            N0
                                   PRI |
                                         NULL
2 rows in set (0.007 sec)
MariaDB [hospital] > describe occur;
| Field
                           | Null | Key | Default | Extra
             | Type
 | surgery id | varchar(10) |
                            YES
                                   MUL
                                         NULL
| theatre_id | varchar(10) |
                                   PRI |
                                         NULL
2 rows in set (0.008 sec)
MariaDB [hospital]> describe payment;
| Field
             | Type
                           | Null | Key | Default | Extra
| service_id | varchar(10) | YES
                                   MUL | NULL
| billing_id | varchar(10) |
                            N0
                                   PRI | NULL
2 rows in set (0.007 sec)
MariaDB [hospital]> describe perform;
| Field
                           | Null | Key | Default | Extra
             | Type
| doctor_id
              varchar(10) | YES
                                   MUL | NULL
```

| YES

MUL |

NULL

surgery\_id | varchar(10)

2 rows in set (0.007 sec)

MariaDB [hospital]> describe schedule;						
Field	Туре	Null	Key	Default	Extra	
	varchar(10)   varchar(10)			•		
2 rows in set	(0.007 sec)					

MariaDB [hospital] > describe treat;						
Field	Type	Null	Key	Default	Extra	
	varchar(10)   varchar(10)					
2 rows in set	(0.013 sec)					

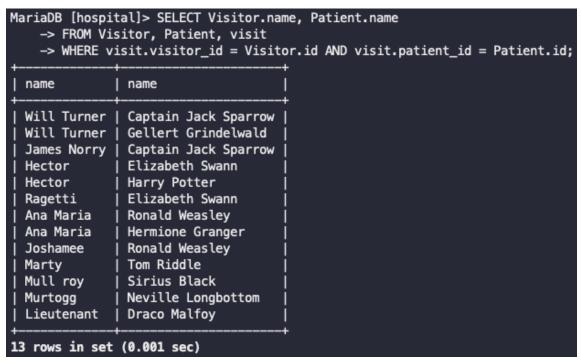
MariaDB [hospital]> describe visit;						
Field   Type	Null	Key	Default	Extra		
visitor_id   varchar(10)   patient_id   varchar(10)						
2 rows in set (0.009 sec)						

## KEY AREAS OF SCHEMA

Patients who have taken Doctor appointment

```
MariaDB [hospital] > SELECT id, name
    -> FROM Patient
    -> WHERE id IN (SELECT patient_id from Appointment);
              name
 111801001 | Captain Jack Sparrow
 111801002 | Gellert Grindelwald
 111801003 | Elizabeth Swann
  111801004 | Harry Potter
  111801005 | Ronald Weasley
 111801006 | Hermione Granger
  111801007 | Albus Dumbledore
  111801029 | Tom Riddle
  111801031 | Sirius Black
  111801034 | Neville Longbottom
  111801045 | Draco Malfoy
11 rows in set (0.007 sec)
```

Visitors who came to visit Patients



 Patients who received surgery along with the doctor who performed surgery and time of surgery arranged in chronological order

```
MariaDB [hospital]> SELECT patient_id, patient_name, Doctor.name AS Doctor_name, time_of_surgery
    -> FROM Surgery, perform, Doctor
    -> WHERE Surgery.id = perform.surgery_id AND perform.doctor_id = Doctor.id
    -> ORDER BY time_of_surgery ASC;
  patient_id | patient_name
                                                            | time_of_surgery
                                     Doctor_name
  111801031
               Sirius Black
                                      Charles Richard Drew |
                                                             1980-04-15 13:44:00
  111801045
               Draco Malfoy
                                      Charles Richard Drew
                                                             1990-05-28 19:36:28
  111801034
               Neville Longbottom
                                      Georges Mathe
                                                             1999-05-14 10:17:02
  111801029
               Tom Riddle
                                      Elizabeth Blackwell
                                                             2004-09-23 23:37:27
                                      Helene D.Gayle
  111801004
               Harry Potter
                                                             2017-05-24 14:35:42
               Gellert Grindelwald
                                                             2017-11-02 21:18:31
  111801002
                                     Helene D.Gayle
  111801005
               Ronald Weasley
                                     Edward Jenner
                                                             2017-11-20 00:14:34
7 rows in set (0.001 sec)
```

 Patients who availed any service, the type of the service availed and the amount of bill generated corresponding to the service ordered descendingly according to the amount(highest bill comes on top).

```
MariaDB [hospital] > SELECT Patient.name, Service.name, Billing.amount
    -> FROM Patient, Service, Billing, avail, payment
    -> WHERE Patient.id = avail.patient_id AND avail.service_id = Service.id
    ->
                                            AND Service.id = payment.service_id
                                            AND payment.billing_id = Billing.id;
    ->
  name
                         name
                                            amount
 Captain Jack Sparrow | Blood test
                                            2480.02
 Elizabeth Swann
                         X-Ray test
                                               5480
 Gellert Grindelwald
                         HRCT test
                                               2000
  Albus Dumbledore
                         Medical Checkup
                                            17845.5
                                              15480
  Ronald Weasley
                         ENT
  Tom Riddle
                         Blood test
                                            2480.02
  Sirius Black
                         Medical Checkup
                                            17845.5
7 rows in set (0.002 sec)
```

Nurses assigned to surgery undergone patients

Name, bill amount and bill type generated by surgery undergone by patients.

```
MariaDB [hospital]> SELECT patient_name, amount, type
    -> FROM Surgery, Billing, generate
    -> WHERE Surgery.id = generate.surgery_id AND generate.billing_id = Billing.id;
  patient_name
                        amount
                                  type
  Gellert Grindelwald | 17845.5 | UPI
  Harry Potter
                        2480.02 |
                                  Cash
  Ronald Weasley
                           5480 | UPI
 Tom Riddle
                           2000 | Debit Card
  Sirius Black
                        17845.5
                                  Cash
  Neville Longbottom
                          15480 |
                                  Debit Card
  Draco Malfov
                        2480.02 |
                                  Cash
7 rows in set (0.003 sec)
```

 Name of the patient who undergone surgery, the room in which operation took place, the time of operation and the room in which the patient was admitted after the surgery

```
MariaDB [hospital] > SELECT Patient.name, room_number AS operation_room_number,
                            time_of_surgery, Admit_Room.id AS admit_room_number
    -> FROM Operation_Theatre, Surgery, admit, Admit_Room, Patient
    -> WHERE Operation_Theatre.patient_id = Patient.id AND Operation_Theatre.surgery_id = Surgery.id
    -> AND Surgery.patient_id = admit.patient_id AND admit.room_id = Admit_Room.id;
  name
                        operation_room_number
                                               | time_of_surgery
                                                                       admit_room_number
  Harry Potter
                                           108
                                                 2017-05-24 14:35:42
  Ronald Weasley
                                           109
                                                 2017-11-20 00:14:34
                                                                       102
  Tom Riddle
                                                 2004-09-23 23:37:27
                                           208
                                                                       103
  Sirius Black
                                           209
                                                 1980-04-15 13:44:00
                                                                       104
  Draco Malfoy
                                               | 1990-05-28 19:36:28
                                                                       105
                                           210
  Gellert Grindelwald
                                               | 2017-11-02 21:18:31
                                                                       106
6 rows in set (0.001 sec)
```

 Death records is an independent table which has no foreign key references to any other table in the database

```
MariaDB [hospital]> SELECT * FROM Death_Record;
  id
        | patient_name
                                             date of death
                          cause
        Adalberto Dray
                          Heart Attack
                                             1995-05-21 00:00:00
         Hilda Flanery
  1045
                          Accident
                                             1990-04-12 00:00:00
  1154 | Eve Rampton
                          Kidneys Failure | 1985-12-14 00:00:00
         June Terhune
                                             1997-09-05 00:00:00
  1561
                          Accident
  1847
         Nguyet Dutra
                          Blood Cancer
                                             1983-11-25 00:00:00
 rows in set (0.000 sec)
```

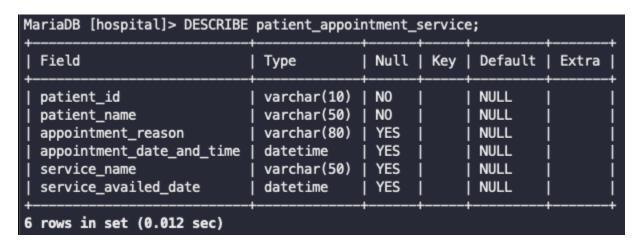
Doctors who treated the emergency patients and nurses attended them

```
MariaDB [hospital] > SELECT Emergency_Patient.name AS patient_name, Doctor.name as doctor_name,
                           Nurse.name AS nurse_name
    -> FROM Emergency_Patient, Doctor, treat, Nurse, attend
    -> WHERE Emergency_Patient.id = treat.epatient_id AND treat.doctor_id = Doctor.id
    -> AND Emergency_Patient.id = attend.epatient_id AND attend.nurse_id = Nurse.id;
  patient_name
                     doctor_name
                                            nurse_name
  Johnson Bravo
                     Edward Jenner
                                            Tiffany Morrison
  Olivia
                     Helene D.Gayle
                                            Julie Watson
                     Virginia Apgar
  George Smith
                                            Stephany Johnson
  Olivia Morris
                     Edward Jenner
                                            Emily Parker
                                            Tiffany Morrison
  Jenson Nicolson
                     Charles Richard Drew
  Jimmy williams
                     Virginia Apgar
                                            Julie Watson
 Mitchell Santner |
                     Edward Jenner
                                            Marie Phillips
7 rows in set (0.008 sec)
```

 Revenue generated by the hospital so far, rounded to the nearest integer.

# **VIEWS**

patient\_appointment\_service



## Justification:

If a patient enters hospital, then his motive can be to book an appointment or avail a service.

This view captures the motive of all the patients entering the hospital. Statistics can be calculated according to the view about the number of people availing service or appointment or both.

Later these statistics can be used for the further development of hospital system.

Also, doctors can look at the past medical tests availed by a patient as a service, and recommend any future tests.

# - Billing\_Service\_Surgery

Field	Туре	Null	Key	Default	Extra
billing_id	   varchar(10)	NO		NULL	
patient_id	varchar(10)	YES		NULL	i
billing_amount	float	YES		NULL	i
billing_date	datetime	YES		NULL	İ
service_id	varchar(10)	YES		NULL	İ
service_name	varchar(50)	YES		NULL	İ
service_availed_date	datetime	YES		NULL	İ
surgery_id	varchar(10)	YES		NULL	İ
time_of_surgery	datetime	YES		NULL	İ

## Justification:

Revenue is very important for a hospital management system. Also, the statistics involved in the revenue generation.

This view helps to know from where the majority of the revenue is generated, from services offered or from surgeries performed.

At the same time an entire statistics of the revenue from service and surgery, provides insights to the hospital about the expenditure.

Every billing is made under patient id, so a patient can know the amount of money spent by him, split into categories.

- patient epatient

MariaDB [hospital] > DESCRIBE patient_epatient;							
Field	Туре	Null	Key	Default	Extra		
patient_id   patient_name	,	•		NULL			
2 rows in set (0.006 sec)							

## Justification:

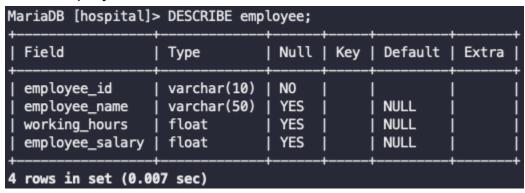
There are two types of patients in the hospital, normal patients and emergency patients.

The management needs to know the entire list of patients who are getting served, or treated in the hospital.

This view will help to provide statistics of the total people who are treated in the hospital.

Take any action, if the count of patients is decreasing and increase capacity of the hospital, if the count of patients is increasing.

- employee

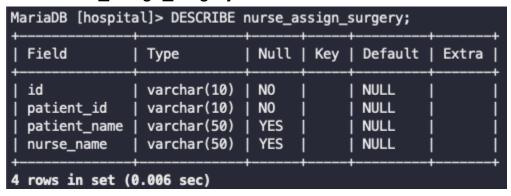


#### Justification:

Management needs to keep track of all the employees, to provide them salaries.

This view helps to give salary to employees, and keep track of the employees working in the hospital.

- nurse\_assign\_surgery



#### Justification:

To backtrack to nurses in case of any mishappening in the surgery period Also to keep track of the working period of nurses

- surgery\_admit\_admitRoom

MariaDB [hospital]> DESCRIBE surgery_admit_admitRoom;							
Field	Туре	Null	Key	Default	Extra		
id   patient_id   patient_name   room_id   availability	varchar(10)   varchar(10)   varchar(50)   varchar(10)   tinyint(1)	YES   YES   YES   NO   YES		NULL NULL NULL NULL			
5 rows in set (	++ 5 rows in set (0.005 sec)						

## Justification:

To know which patients are assigned to which rooms and to know the rooms which are empty so that it will helpful to assign new surgery patients

- surgery\_occur\_operationTheatre

MariaDB [hospital]> DESCRIBE surgery_occur_operationTheatre;						
Field	Туре	Null	Key	Default	Extra	
id   patient_id   patient_name   operation_theatre_id   availability		YES		NULL NULL NULL NULL		
5 rows in set (0.007 sec)						

## Justification:

To know which patients are assigned to which operation theatres and to know the theatre rooms which are empty so that it will helpful to assign new surgery patients to do the operation

- nurse\_assign\_patient

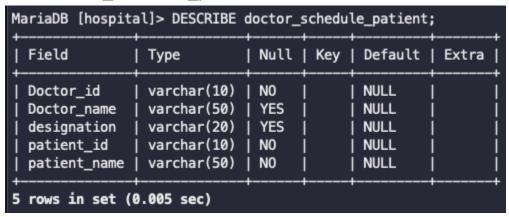
MariaDB [hospital] > DESCRIBE nurse_assign_patient;						
Field	Туре	Null	Key	Default	Extra	
nurse_id   nurse_name   patient_Id   patient_name	varchar(50) varchar(10)	N0   YES   N0   N0		NULL NULL NULL NULL		
4 rows in set (0.005 sec)						

#### Justification:

This will be a very frequently used query to find the nurses assigned to different persons.

If we want to know the nurses assigned to a particular patient we can perform queries in this view.

doctor\_schedule\_patient



## Justification:

This view shows the list of all the doctors treating the patients.

If we want to know the patients which are treated by a particular doctor. We can perform queries in this view.

- visitor\_visit\_patient

MariaDB [hospital] > DESCRIBE visitor_visit_patient;							
Field	Туре	Null	Key	Default	Extra		
vistor_id   visitor_name   vistor_number   patient_id   patient_name	varchar(10) varchar(50) varchar(10) varchar(10) varchar(50)	NO YES YES NO NO		NULL NULL NULL NULL			
++ 5 rows in set (0.011 sec)							

#### Justification:

This view shows the list of visitors visiting the patients admitted in the hospital.

It will be easier to know the visitor who visited a particular patient by performing queries in this view.

There are various cases where we may need to look up into the list of visitors to a particular patient, in which case we can use pateint\_id in this view to access the list of viewers directly in a simple query

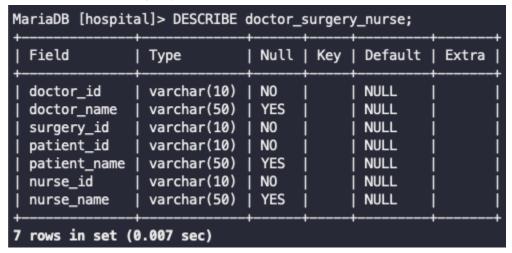
- doctor\_epatient\_nurse

MariaDB [hospital]> DESCRIBE doctor_epatient_nurse;						
Field	Туре	Null	Key	Default	Extra	
doctor_name   doctor_id   e_patient_id   e_patient_name   nurse_id   nurse_name	varchar(50) varchar(10) varchar(10) varchar(50) varchar(10) varchar(50)	YES   NO   NO   YES   NO   YES		NULL NULL NULL NULL NULL		
++ 6 rows in set (0.008 sec)						

## Justification:

This is a useful view, just in case we wanna have a page landing at all the emergency patients list who have been admitted to the hospital along with the nurses and doctors who have taken up the case

- doctor\_surgery\_nurse



### Justification:

Just like the previous case, we might need to look up on all the surgeries along with the doctors and nurses who were involved in the surgery as well. Thus in that case a doctor\_surgery\_nurse view can be helpful.

# - doctor\_appointments

<pre>lariaDB [hospital] &gt; DESCRIBE doctor_appointments;</pre>						
Field	Туре	Null	Key	Default	Extra	
doctor_id	varchar(10)	N0		NULL		
doctor_name	varchar(50)	YES	i i	NULL		
appointment_id	varchar(10)	N0	j i	NULL		
patient_name	varchar(50)	YES	i i	NULL		
patient_id	varchar(10)	NO	i i	NULL		
reason	varchar(80)	YES	i i	NULL	i	
		· •	·			
5 rows in set (0.006 sec)						

## Justification:

Suppose we want to display what are all the appointments scheduled to a particular doctor, life becomes easy with this view in such a case

- patient\_service

MariaDB [hospital] > DESCRIBE patient_service;							
Field	Туре	Null	Key	Default	Extra		
patient_id     patient_name     service_id     service_name     date_availed	varchar(10) varchar(50) varchar(10) varchar(50) datetime	N0   N0   N0   YES   YES		NULL NULL NULL NULL			
+							

## Justification:

There are chances that we may need to look up all the services availed by some patient or data a particular service available by patient, in such a case, the patient\_service view helps a lot to retrieve info in simple queries

# **APPENDIX**

## Schema Files

**Database Structure Creation file** 

**Database Data Insertion file** 

Database Structure without data Backup file

Database Structure with data Backup file

## **Backup Creation**

```
mysqldump -u root -p --no-data hospital > backup_hospital_structure.sql
mysqldump -u root -p hospital > backup_hospital_data.sql
```

# **Backup Loading**

```
mysql -u root -p hospital < backup_hospital_structure.sql
mysql -u root -p hospital < backup_hospital_data.sql</pre>
```

# Views Files

Views in Database along with justifications of the view