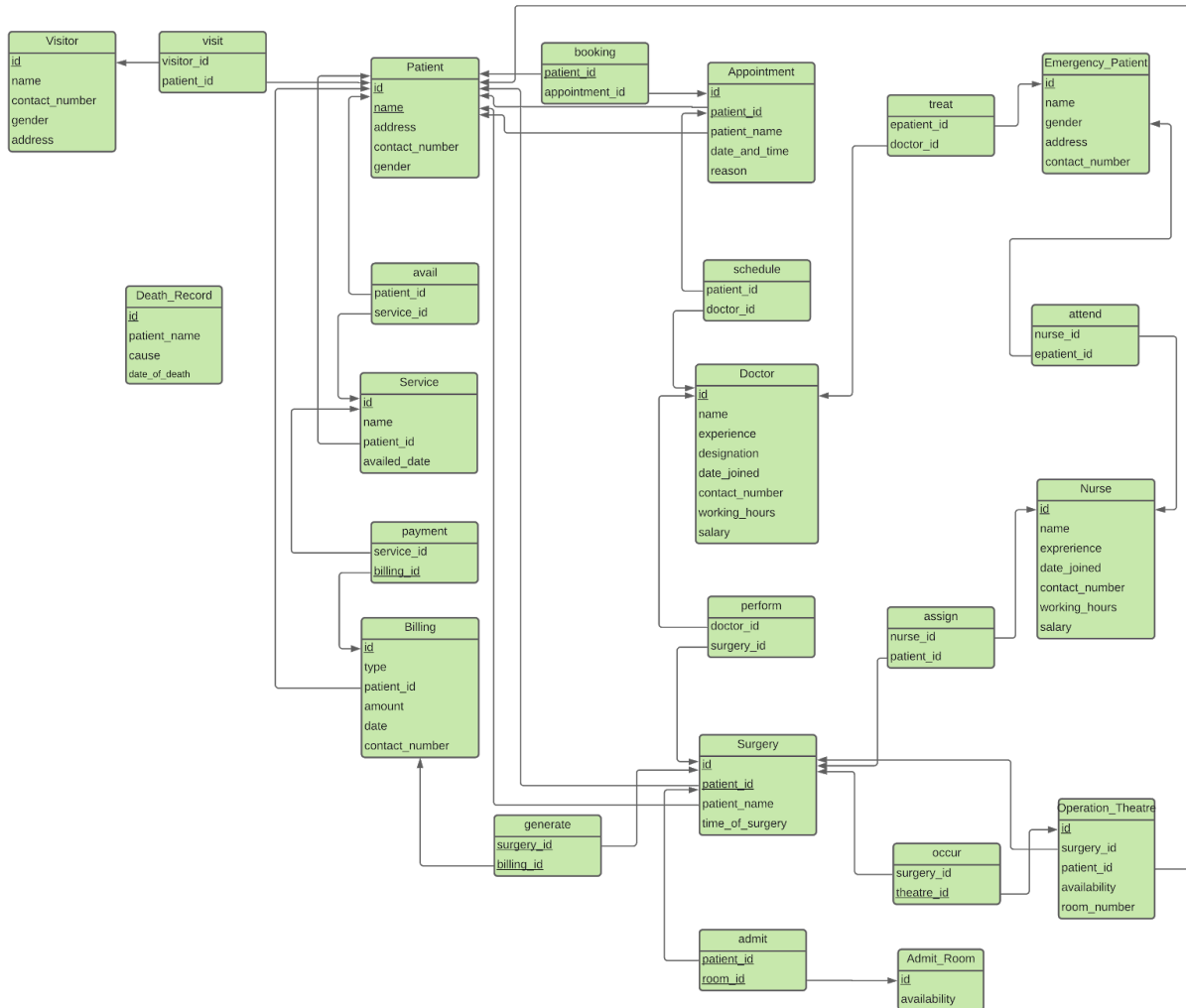


## DBMS Lab Project

1.

# SCHEMA DIAGRAM



2.

```
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)
```

```
MariaDB [hospital]> describe Admit_Room;
```

| Field        | Type        | Null | Key | Default | Extra |
|--------------|-------------|------|-----|---------|-------|
| id           | varchar(10) | NO   | PRI | NULL    |       |
| availability | tinyint(1)  | YES  |     | NULL    |       |

```
2 rows in set (0.007 sec)
```

MariaDB [hospital]> describe Appointment;

| Field         | Type        | Null | Key | Default | Extra |
|---------------|-------------|------|-----|---------|-------|
| id            | varchar(10) | NO   | 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    |       |

5 rows in set (0.007 sec)

MariaDB [hospital]> describe Billing;

| Field          | Type        | Null | Key | Default | Extra |
|----------------|-------------|------|-----|---------|-------|
| id             | varchar(10) | NO   | PRI | NULL    |       |
| type           | varchar(10) | YES  |     | NULL    |       |
| patient_id     | varchar(10) | YES  | MUL | NULL    |       |
| amount         | float       | YES  |     | NULL    |       |
| date           | datetime    | YES  |     | NULL    |       |
| contact_number | varchar(10) | YES  |     | NULL    |       |

6 rows in set (0.010 sec)

MariaDB [hospital]> describe Death\_Record;

| Field         | Type        | Null | Key | Default | Extra |
|---------------|-------------|------|-----|---------|-------|
| id            | varchar(10) | NO   | PRI | NULL    |       |
| patient_name  | varchar(50) | YES  |     | NULL    |       |
| cause         | varchar(50) | YES  |     | NULL    |       |
| date_of_death | datetime    | YES  |     | NULL    |       |

4 rows in set (0.009 sec)

MariaDB [hospital]> describe Doctor;

| Field          | Type        | Null | Key | Default | Extra |
|----------------|-------------|------|-----|---------|-------|
| id             | varchar(10) | NO   | PRI | NULL    |       |
| name           | varchar(50) | YES  |     | NULL    |       |
| experience     | float       | YES  |     | NULL    |       |
| designation    | varchar(20) | YES  |     | NULL    |       |
| date_joined    | date        | YES  |     | NULL    |       |
| contact_number | varchar(10) | YES  |     | NULL    |       |
| working_hours  | float       | YES  |     | NULL    |       |
| salary         | float       | YES  |     | NULL    |       |

8 rows in set (0.013 sec)

MariaDB [hospital]> describe Emergency\_Patient;

| Field          | Type        | Null | Key | Default | Extra |
|----------------|-------------|------|-----|---------|-------|
| id             | varchar(10) | NO   | PRI | NULL    |       |
| name           | varchar(50) | YES  |     | NULL    |       |
| gender         | varchar(10) | YES  |     | NULL    |       |
| address        | varchar(80) | YES  |     | NULL    |       |
| contact_number | varchar(10) | YES  |     | NULL    |       |

5 rows in set (0.015 sec)

MariaDB [hospital]> describe Nurse;

| Field          | Type        | Null | Key | Default | Extra |
|----------------|-------------|------|-----|---------|-------|
| id             | varchar(10) | NO   | PRI | NULL    |       |
| name           | varchar(50) | YES  |     | NULL    |       |
| experience     | float       | YES  |     | NULL    |       |
| date_joined    | date        | YES  |     | NULL    |       |
| 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        | Type        | Null | Key | Default | Extra |
|--------------|-------------|------|-----|---------|-------|
| id           | varchar(10) | NO   | PRI | NULL    |       |
| surgery_id   | varchar(10) | YES  | MUL | NULL    |       |
| patient_id   | varchar(10) | YES  | MUL | NULL    |       |
| availability | tinyint(1)  | YES  |     | NULL    |       |
| room_number  | int(10)     | YES  |     | NULL    |       |

```
5 rows in set (0.008 sec)
```

```
MariaDB [hospital]> describe Patient;
```

| Field          | Type        | Null | Key | Default | Extra |
|----------------|-------------|------|-----|---------|-------|
| id             | varchar(10) | NO   | PRI | NULL    |       |
| name           | varchar(50) | NO   | PRI | NULL    |       |
| address        | varchar(80) | YES  |     | NULL    |       |
| contact_number | varchar(10) | YES  |     | NULL    |       |
| gender         | varchar(10) | YES  |     | NULL    |       |

```
5 rows in set (0.010 sec)
```

```
MariaDB [hospital]> describe Service;
```

| Field        | Type        | Null | Key | Default | Extra |
|--------------|-------------|------|-----|---------|-------|
| id           | varchar(10) | NO   | PRI | NULL    |       |
| name         | varchar(50) | YES  |     | NULL    |       |
| patient_id   | varchar(10) | YES  | MUL | NULL    |       |
| availed_date | datetime    | YES  |     | NULL    |       |

```
4 rows in set (0.006 sec)
```

```
MariaDB [hospital]> describe Surgery;
```

| Field           | Type        | Null | Key | Default | Extra |
|-----------------|-------------|------|-----|---------|-------|
| id              | varchar(10) | NO   | PRI | NULL    |       |
| patient_id      | varchar(10) | NO   | PRI | NULL    |       |
| patient_name    | varchar(50) | YES  |     | NULL    |       |
| time_of_surgery | datetime    | YES  |     | NULL    |       |

```
4 rows in set (0.008 sec)
```

```
MariaDB [hospital]> describe Visitor;
```

| Field          | Type        | Null | Key | Default | Extra |
|----------------|-------------|------|-----|---------|-------|
| id             | varchar(10) | NO   | PRI | NULL    |       |
| name           | varchar(50) | YES  |     | NULL    |       |
| contact_number | varchar(10) | YES  |     | NULL    |       |
| 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   | PRI | NULL    |       |
| room_id    | varchar(10) | NO   | PRI | NULL    |       |

```
2 rows in set (0.011 sec)
```

```
MariaDB [hospital]> describe assign;
```

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| nurse_id   | varchar(10) | YES  | MUL | NULL    |       |
| patient_id | varchar(10) | YES  | MUL | NULL    |       |

```
2 rows in set (0.008 sec)
```

```
MariaDB [hospital]> describe attend;
```

| Field       | Type        | Null | Key | Default | Extra |
|-------------|-------------|------|-----|---------|-------|
| 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 |
|------------|-------------|------|-----|---------|-------|
| surgery_id | varchar(10) | NO   | PRI | NULL    |       |
| billing_id | varchar(10) | NO   | PRI | NULL    |       |

2 rows in set (0.007 sec)

MariaDB [hospital]> describe occur;

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| surgery_id | varchar(10) | YES  | MUL | NULL    |       |
| theatre_id | varchar(10) | NO   | 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) | NO   | PRI | NULL    |       |

2 rows in set (0.007 sec)

MariaDB [hospital]> describe perform;

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| doctor_id  | varchar(10) | YES  | MUL | NULL    |       |
| surgery_id | varchar(10) | YES  | MUL | NULL    |       |

2 rows in set (0.007 sec)

```
MariaDB [hospital]> describe schedule;
```

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| patient_id | varchar(10) | YES  | MUL | NULL    |       |
| doctor_id  | varchar(10) | YES  | MUL | NULL    |       |

2 rows in set (0.007 sec)

```
MariaDB [hospital]> describe treat;
```

| Field       | Type        | Null | Key | Default | Extra |
|-------------|-------------|------|-----|---------|-------|
| epatient_id | varchar(10) | YES  | MUL | NULL    |       |
| doctor_id   | varchar(10) | YES  | MUL | NULL    |       |

2 rows in set (0.013 sec)

```
MariaDB [hospital]> describe visit;
```

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| visitor_id | varchar(10) | YES  | MUL | NULL    |       |
| patient_id | varchar(10) | YES  | MUL | NULL    |       |

2 rows in set (0.009 sec)