

**DATABASE MANAGEMENT SYSTEM MINIPROJECT**  
**(UE20CS301)**

**“CRIME REPORT MANAGEMENT SYSTEM”**

**Submitted by**

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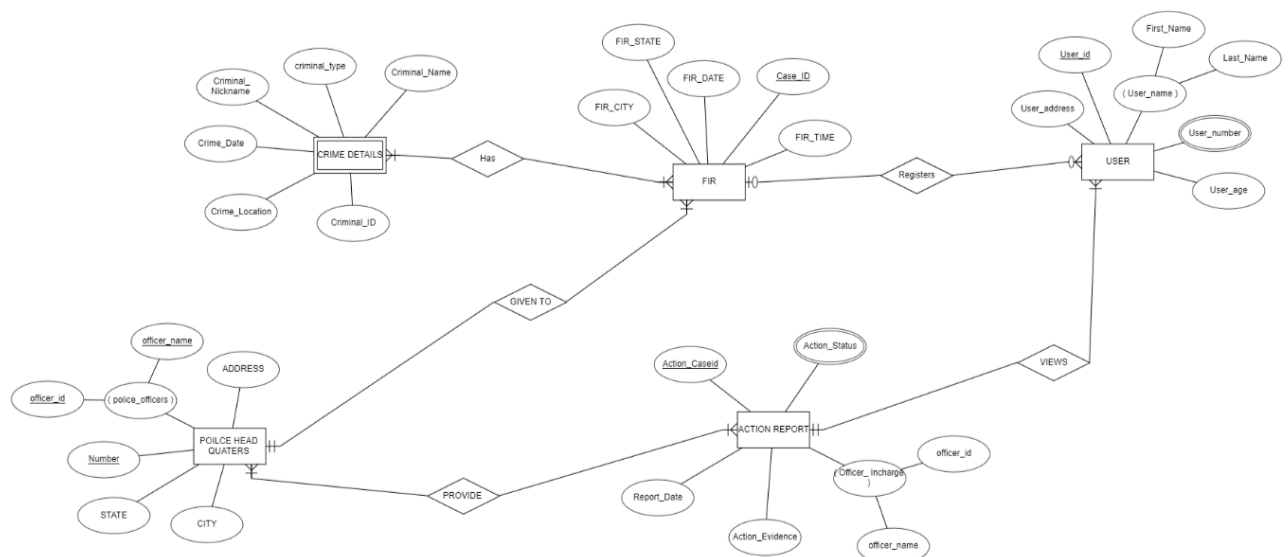
**SRN: PES1UG20CS634**

**V Semester K-Section**

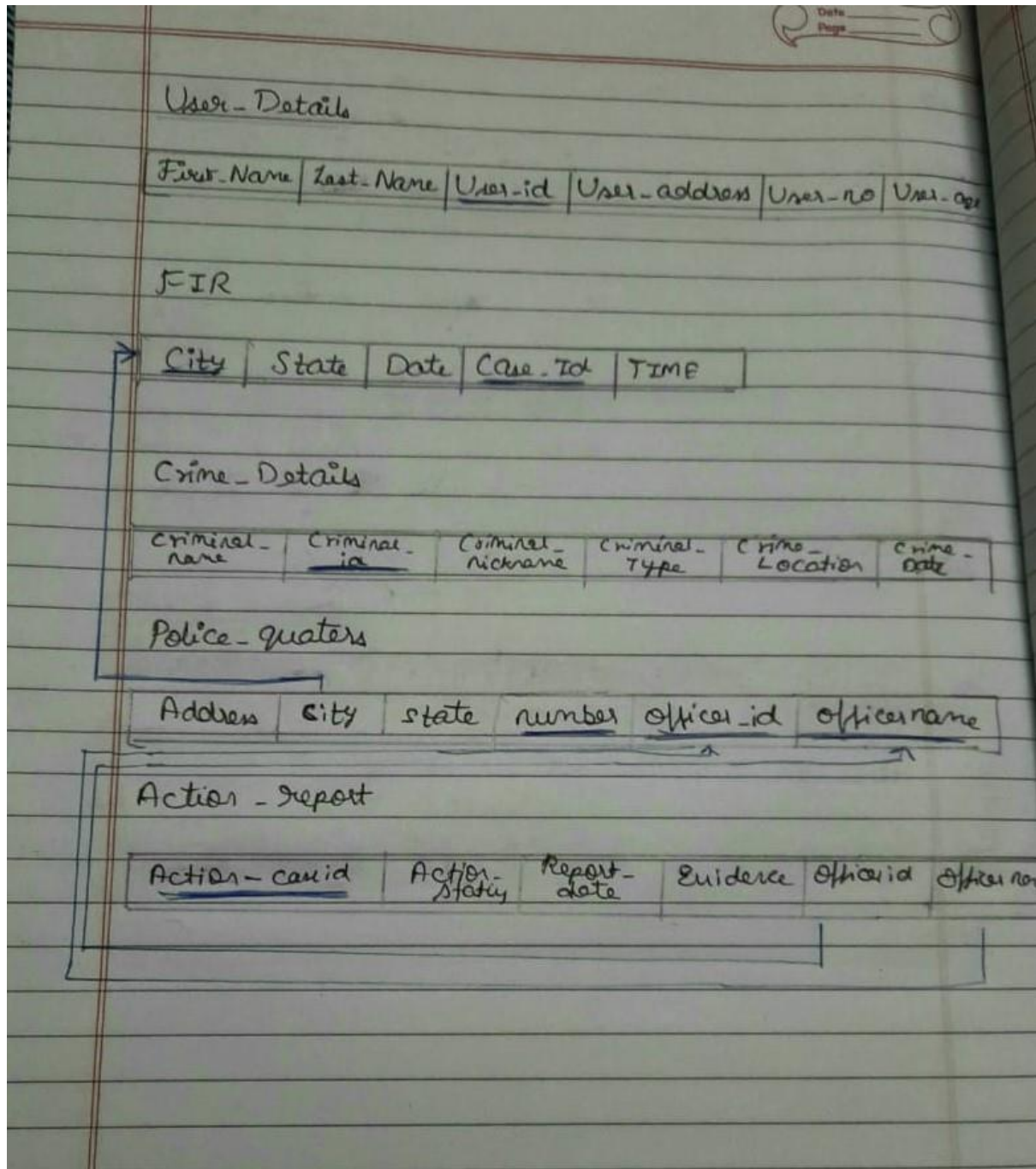
## **Abstract:**

Aim of the project is to build an efficient online crime reporting management system, where users can register there crime reports online and the system with the designed workflow assigns and solves the crime that has been reported.

## **ER DIAGRAM:**



## Relational Schema:



## DDL STATEMENTS:

```
CREATE TABLE crime_details (  
  criminal_id int(5) NOT NULL,  
  criminal_name varchar(15) NOT NULL,  
  criminal_type varchar(15) NOT NULL,  
  criminal_NickName varchar(10) Default null,  
  crime_Location text NOT NULL,  
  crime_date DATE NOT NULL,  
  primary key(criminal_id)  
);
```

```
CREATE TABLE crime_fir(  
  fir_time TIME NOT NULL,  
  case_id varchar(5) NOT NULL,  
  fir_date DATE NOT NULL,  
  fir_state varchar(15) NOT NULL,  
  fir_city varchar(15) NOT NULL,  
  primary key(case_id,fir_city)  
);
```

```
CREATE TABLE action_report (  
  action_caseid int(5) NOT NULL,  
  officer_name varchar(20) NOT NULL,  
  officer_id int(5) NOT NULL,  
  report_date DATE Default NULL,  
  action_evidence varchar(20) Default NULL,  
  action_status varchar(20),  
  primary key(action_caseid),  
  foreign key(officer_id) references police_quaters(q_officerid)  
);
```

```
CREATE TABLE user_details(  
  first_name varchar(8) NOT NULL,  
  last_name varchar(8) DEFAULT Null,  
  user_id int(5) NOT NULL,  
  user_address text NOT NULL,  
  user_number varchar(10) NOT NULL,  
  user_age int(2) NOT NULL,  
  primary key(user_id)  
);
```

```
Create table police_quarters(  
  q_city varchar(15) NOT NULL,  
  q_state varchar(15) NOT NULL,  
  q_number varchar(10) NOT NULL,  
  q_address text NOT NULL,  
  q_officername varchar(20) NOT NULL,  
  q_officerid varchar(5) NOT NULL,  
  primary key(q_number,q_officerid,q_officername),  
  foreign key(q_city) references crime_fir(fir_city)  
);
```

## Populating the database:

```
insert into crime_details  
VALUES(11,"JOHNSON","MURDERER","jonny","Mandya","1948-07-27");  
insert into crime_details  
VALUES(12,"BERGLIM","ROBBER","berly","Bengaluru","1995-02-05");  
insert into crime_details VALUES(13,"ROBERT","SERIAL  
KILLER","robby","Mangaluru","1999-09-30");  
insert into crime_details VALUES(14,"JIMMY","THEIF","jimmy","Nasik","1989-10-  
22");  
insert into crime_details VALUES(15,"STUART","SERIAL  
KILLER","staum","Dwarka","1967-09-27");  
insert into crime_details VALUES(16,"LIMENET","ROBBER","limmy","Delhi","1998-  
03-23");  
insert into crime_details VALUES(17,"USEF","MURDERER","usef","Mumbai","1984-  
04-17");  
insert into crime_details  
VALUES(18,"MANHAT","THIEF","manhat","Thiruvananthapuram","1967-11-29");
```

```
insert into crime_fir VALUES("09:45:34",123,"1967-11-  
30","Karnataka","Mangaluru");  
insert into crime_fir VALUES("14:24:05",453,"1984-04-20","Gujarat","Surat");  
insert into crime_fir VALUES("12:45:07",567,"1998-03-25","Tamil  
Nadu","Kodaikanal");  
insert into crime_fir VALUES("05:23:05",234,"1967-09-  
27","Maharashtra","Nasik");  
insert into crime_fir VALUES("07:58:34",668,"1989-10-  
25","Karnataka","Bengaluru");  
insert into crime_fir VALUES("12:49:50",231,"1999-09-30","Gujarat","Dwarka");  
insert into crime_fir VALUES("04:56:56",655,"1995-02-07","Andhra  
Pradesh","Vijayawada");  
insert into crime_fir VALUES("22:56:22",111,"1948-07-  
30","Maharashtra","Mumbai");
```

```
insert into action_report VALUES(123,"Ashoka Kumar",2345,"1948-08-30","NULL","NOT Completed");
insert into action_report VALUES(453,"Vinod Chaubey",9854,"1995-03-07","FOUND","COMPLETED");
insert into action_report VALUES(567,"Kempaiah",3673,"1999-10-30","NULL","NOT Completed");
insert into action_report VALUES(234,"M L Kumawat",3562,"1989-11-25","FOUND","COMPLETED");
insert into action_report VALUES(668,"Sanjeev Tripathi",2225,"1967-10-27","NULL","NOT Completed");
insert into action_report VALUES(231,"Vijay Salaskar",7363,"1998-04-25","FOUND","COMPLETED");
insert into action_report VALUES(655,"Rakesh Maria",2346,"1984-05-20","NULL","NOT Completed");
insert into action_report VALUES(111,"Chandrappa",6464,"1967-12-30","FOUND","COMPLETED");
```

```
insert into user_details VALUES("Madhav","Sharma",22,"Maleshwaram 2nd stage",9876543212,22);
insert into user_details VALUES("Lokesh","Vittal",23,"Banshankari 3rd block",9676543212,45);
insert into user_details VALUES("Neeraj","Sharma",24,"Kengeri satellite town",9896543212,39);
insert into user_details VALUES("Pardeep","Dahiya",25,"Banshankari 4rh block",9996543212,18);
insert into user_details VALUES("Sanjeev","Deshmuk",26,"Maleshwaram 1st stage",9336543212,27);
insert into user_details VALUES("Manoj","Prateek",27,"Govindaraja nagara",9876553212,34);
insert into user_details VALUES("Rakesh","Sangroya",28,"Hubli main street",9878843212,56);
insert into user_details VALUES("Chandra","Reddy",29,"Maleshwaram 3rd stage",8876543212,70);
```

```

insert into police_quaters VALUES("Delhi","Karnataka",9876543211,"Maleshwaram
2nd stage","Ashoka Kumar",2345);
insert into police_quaters
VALUES("Bengaluru","Gujarat",9876543212,"Banshankari 3rd block","Vinod
Chaubey",9854);
insert into police_quaters VALUES("Mumbai","Maharashtra",8823543212,"Kengeri
satellite town","Kempaiah",3673);
insert into police_quaters VALUES("Madur","Tamil Nadu",8876554212,"Banshankari
4rh block","M L Kumawat",3562);
insert into police_quaters VALUES("Dwarka","Andhra
Pradesh",8346543212,"Maleshwaram 1st stage","Sanjeev Tripathi",2225);
insert into police_quaters
VALUES("Mangaluru","Maharashtra",8877543212,"Govindaraja nagara","Vijay
Salaskar",7363);
insert into police_quaters VALUES("Nasik","Gujarat",8876599212,"Hubli main
street","Rakesh Maria",2346);
insert into police_quaters VALUES("Vijayawada","Tamil
Nadu",9976543212,"Maleshwaram 3rd stage","Chandrappa",6464);

```

## TOOLS USED:

Front End: Streamlit

Backend: xampp server(sql framework)

## Queries:

## JOIN QUERIES:

## REGULAR JOINS

1.Selects fir as well as police quarter details using city as reference:

```

MariaDB [demo_crime]> select * from crime_fir INNER JOIN police_quaters on crime_fir.fir_city=police_quaters.q_city;

```

|          | fir_time | case_id    | fir_date    | fir_state | fir_city  | q_city         | q_state    | q_number               | q_address        | q_officername | q_officerid |
|----------|----------|------------|-------------|-----------|-----------|----------------|------------|------------------------|------------------|---------------|-------------|
| 12:49:50 | 231      | 1999-09-30 | Gujarat     | Dwarka    | Dwarka    | Andhra Pradesh | 8346543212 | Maleshwaram 1st stage  | Sanjeev Tripathi | 2225          |             |
| 00:00:00 | 111      | 1948-08-21 | Maharashtra | Mumbai    | Mumbai    | Maharashtra    | 8823543212 | Kengeri satellite town | Kempaiah         | 3673          |             |
| 05:23:05 | 234      | 1967-09-27 | Maharashtra | Nasik     | Nasik     | Gujarat        | 8876599212 | Hubli main street      | Rakesh Maria     | 2346          |             |
| 09:45:34 | 123      | 1967-11-30 | Karnataka   | Mangaluru | Mangaluru | Maharashtra    | 8877543212 | Govindaraja nagara     | Vijay Salaskar   | 7363          |             |
| 07:58:34 | 668      | 1989-10-25 | Karnataka   | Bengaluru | Bengaluru | Gujarat        | 9876543212 | Banshankari 3rd block  | Vinod Chaubey    | 9854          |             |
| 07:58:34 | 668      | 1989-10-25 | Karnataka   | Bengaluru | Bengaluru | Tamil Nadu     | 9976543212 | Maleshwaram 3rd stage  | Chandrappa       | 6464          |             |

6 rows in set (0.011 sec)

## 2. Select all fir along with the police head quarters details.

```
MariaDB [demo_crime]> select * from crime_fir INNER JOIN police_quaters on crime_fir.case_id=crime_details.criminal_id;
ERROR 1054 (42S22): Unknown column 'crime_details.criminal_id' in 'on clause'
MariaDB [demo_crime]> select * from crime_fir INNER JOIN crime_details on crime_fir.case_id=crime_details.criminal_id;
Empty set (0.001 sec)
```

## 3. Select all the officers and the cases they are involved.

```
MariaDB [demo_crime]> SELECT crime_fir.case_id, action_report.officer_name
-> FROM crime_fir
-> INNER JOIN action_report ON crime_fir.case_id = action_report.action_caseid;
+-----+-----+
| case_id | officer_name |
+-----+-----+
| 111     | Chandrappa   |
| 123     | Ashoka Kumar |
| 231     | Vijay Salaskar |
| 234     | M L Kumawat  |
| 453     | Vinod Chaubey |
| 567     | Kempaiah     |
| 655     | Rakesh Maria |
| 668     | Sanjeev Tripathi |
+-----+-----+
8 rows in set (0.001 sec)

MariaDB [demo_crime]> _
```

## 4. Selects all fir details along with officers in charge .

```
MariaDB [demo_crime]> select * from crime_fir INNER JOIN police_quaters on crime_fir.fir_city=policе_quaters.q_city;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| fir_time | case_id | fir_date | fir_state | fir_city | q_city | q_state | q_number | q_address | q_officername | q_officerid |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 12:49:50 | 231     | 1999-09-30 | Gujarat | Dwarka   | Dwarka | Andhra Pradesh | 8346543212 | Maleshwaram 1st stage | Sanjeev Tripathi | 2225 |
| 00:00:00 | 111     | 1948-08-21 | Maharashtra | Mumbai  | Mumbai | Maharashtra | 8823543212 | Kengeri satellite town | Kempaiah | 3673 |
| 05:23:05 | 234     | 1967-09-27 | Maharashtra | Nasik    | Nasik   | Gujarat | 8876599212 | Hubli main street | Rakesh Maria | 2346 |
| 09:45:34 | 123     | 1967-11-30 | Karnataka | Mangaluru | Mangaluru | Maharashtra | 8877543212 | Govindaraja nagara | Vijay Salaskar | 7363 |
| 07:58:34 | 668     | 1989-10-25 | Karnataka | Bengaluru | Bengaluru | Gujarat | 9876543212 | Banshankari 3rd block | Vinod Chaubey | 9854 |
| 07:58:34 | 668     | 1989-10-25 | Karnataka | Bengaluru | Bengaluru | Tamil Nadu | 9976543212 | Maleshwaram 3rd stage | Chandrappa | 6464 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.011 sec)
```

## 5. Matches criminals who have same criminal type using Self Join: (Co-related query)



```

MariaDB [demo_crime]> SELECT A.criminal_name AS criminal_name1, B.criminal_name AS criminal_name2, A.criminal_type
-> FROM crime_details A, crime_details B
-> WHERE A.criminal_id <> B.criminal_id
-> AND A.criminal_type = B.criminal_type
-> ORDER BY A.criminal_type;
+-----+-----+-----+
| criminal_name1 | criminal_name2 | criminal_type |
+-----+-----+-----+
| BERGLIM        | LIMENET        | ROBBER        |
| LIMENET        | BERGLIM        | ROBBER        |
| JOHNSON        | ROBERT         | SERIAL KILLER |
| ROBERT         | STUART         | SERIAL KILLER |
| STUART         | JOHNSON        | SERIAL KILLER |
| JOHNSON        | STUART         | SERIAL KILLER |
| ROBERT         | JOHNSON        | SERIAL KILLER |
| STUART         | ROBERT         | SERIAL KILLER |
+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [demo_crime]> .

```

6. Selects all the fir details and case id which has been reported to police head quarters. (Nested Query)

```

MariaDB [demo_crime]> select * from crime_fir where crime_fir.fir_city in (select q_city from police_quaters);
+-----+-----+-----+-----+-----+
| fir_time | case_id | fir_date | fir_state | fir_city |
+-----+-----+-----+-----+-----+
| 00:00:00 | 111     | 1948-08-21 | Maharashtra | Mumbai   |
| 09:45:34 | 123     | 1967-11-30 | Karnataka   | Mangaluru |
| 12:49:50 | 231     | 1999-09-30 | Gujarat     | Dwarka    |
| 05:23:05 | 234     | 1967-09-27 | Maharashtra | Nasik     |
| 07:58:34 | 668     | 1989-10-25 | Karnataka   | Bengaluru |
+-----+-----+-----+-----+-----+
5 rows in set (0.012 sec)

```

## Aggregate Functions (at least 2)

1.Retrieve all the maximum age of the users.

```

MariaDB [demo_crime]> select max(user_age) from user_details;
+-----+
| max(user_age) |
+-----+
|             70 |
+-----+
1 row in set (0.012 sec)

```

2.Retrieve all the minimum age of the users.

```

MariaDB [demo_crime]> select min(user_age) from user_details;
+-----+
| min(user_age) |
+-----+
|             18 |
+-----+
1 row in set (0.011 sec)

```

### 3.Retrieve the count from table crime details.

```
MariaDB [demo_crime]> select count(*) from crime_details;
+-----+
| count(*) |
+-----+
|         8 |
+-----+
1 row in set (0.001 sec)
```

## Set Operations (at least 2)

#### 1.Retrieve common cases that police quarters and action report is involved in.

```
MariaDB [demo_crime]> select * from action_report INTERSECT select * from police_quaters;
Empty set (0.018 sec)
```

#### 2. Retrieve the action report (action\_caseid = 453) with a new evidence and a new action status.

```
MariaDB [demo_crime]> UPDATE action_report
-> SET action_evidence = 'NOT FOUND', action_status= 'not completed'
-> WHERE action_caseid = 453;
Query OK, 1 row affected (0.016 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [demo_crime]> select * from action_report;
+-----+-----+-----+-----+-----+-----+
| action_caseid | officer_name | officer_id | report_date | action_evidence | action_status |
+-----+-----+-----+-----+-----+-----+
| 111 | Chandrappa | 6464 | 1967-12-30 | FOUND | COMPLETED |
| 123 | Ashoka Kumar | 2345 | 1948-08-30 | NULL | NOT Completed |
| 231 | Vijay Salaskar | 7363 | 1998-04-25 | FOUND | COMPLETED |
| 234 | M L Kumawat | 3562 | 1989-11-25 | FOUND | COMPLETED |
| 453 | Vinod Chaubey | 9854 | 1995-03-07 | NOT FOUND | not completed |
| 567 | Kempaiah | 3673 | 1999-10-30 | NULL | NOT Completed |
| 655 | Rakesh Maria | 2346 | 1984-05-20 | NULL | NOT Completed |
| 668 | Sanjeev Tripathi | 2225 | 1967-10-27 | NULL | NOT Completed |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)
```

#### 3. Get the crime details (criminal\_id = 11) with similar criminal type.

```

MariaDB [demo_crime]> UPDATE crime_details
-> SET criminal_type = 'SERIAL KILLER'
-> WHERE criminal_id = 11;
Query OK, 1 row affected (0.012 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [demo_crime]> select * from crime_details;
+-----+-----+-----+-----+-----+-----+
| criminal_id | criminal_name | criminal_type | criminal_NickName | crime_Location | crime_date |
+-----+-----+-----+-----+-----+-----+
| 11 | JOHNSON | SERIAL KILLER | jonny | Mandya | 1948-07-27 |
| 12 | BERGLIM | ROBBER | berly | Bengaluru | 1995-02-05 |
| 13 | ROBERT | SERIAL KILLER | robby | Mangaluru | 1999-09-30 |
| 14 | JIMMY | THEIF | jimmy | Nasik | 1989-10-22 |
| 15 | STUART | SERIAL KILLER | staum | Dwarka | 1967-09-27 |
| 16 | LIMENET | ROBBER | limmy | Delhi | 1998-03-23 |
| 17 | USEF | MURDERER | usef | Mumbai | 1984-04-17 |
| 18 | MANHAT | THIEF | manhat | Thiruvananthapuram | 1967-11-29 |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [demo_crime]> _

```

## View (atleast 1)

Demonstrate creation and querying one view.

**Create a view to display criminal details from location Delhi.**

```

MariaDB [demo_crime]> create view show_dehli_Criminals AS
-> select criminal_name,criminal_id
-> from crime_details
-> where crime_location = 'DELHI';
Query OK, 0 rows affected (0.016 sec)

```

```

MariaDB [demo_crime]> select * from show_dehli_criminals;
+-----+-----+
| criminal_name | criminal_id |
+-----+-----+
| LIMENET       | 16          |
+-----+-----+
1 row in set (0.001 sec)

MariaDB [demo_crime]> select * from crime_details;
+-----+-----+-----+-----+-----+-----+
| criminal_id | criminal_name | criminal_type | criminal_NickName | crime_Location | crime_date |
+-----+-----+-----+-----+-----+-----+
| 0 | Madhav | SERIAL KILLER | Mandy | Bengaluru | 1978-12-22 |
| 11 | JOHNSON | SERIAL KILLER | jonny | Mandya | 1948-07-27 |
| 12 | BERGLIM | ROBBER | berly | Bengaluru | 1995-02-05 |
| 13 | ROBERT | SERIAL KILLER | robby | Mangaluru | 1999-09-30 |
| 14 | JIMMY | THEIF | jimmy | Nasik | 1989-10-22 |
| 15 | STUART | SERIAL KILLER | staum | Dwarka | 1967-09-27 |
| 16 | LIMENET | ROBBER | limmy | Delhi | 1998-03-23 |
| 17 | USEF | MURDERER | usef | Mumbai | 1984-04-17 |
| 18 | MANHAT | THIEF | manhat | Thiruvananthapuram | 1967-11-29 |
| 67 | Mohandas | ROBBER | Mohan | Nasik | 2022-11-01 |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [demo_crime]> _

```

## Triggers :

Create a Function or a Procedure. State the objective of the function / Procedure. Run and display the results.

**Create a trigger to not allow insertion of crime details, if the user's age is less than 12 years.**

```
MariaDB [demo_crime]> delimiter $$
MariaDB [demo_crime]> CREATE or replace TRIGGER Check_age
-> BEFORE INSERT ON user_details
-> FOR EACH ROW
-> BEGIN
-> IF (New.user_age < 12)
-> THEN
-> SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'ERROR: AGE MUST BE ATLEAST 25 YEARS!';
-> END IF;
-> END; $$
Query OK, 0 rows affected (0.022 sec)

MariaDB [demo_crime]> delimiter;
```

```
MariaDB [(none)]> use demo_crime
Database changed
MariaDB [demo_crime]> select * from user_details;
+-----+-----+-----+-----+-----+-----+
| first_name | last_name | user_id | user_address | user_number | user_age |
+-----+-----+-----+-----+-----+-----+
| Madhav | Sharma | 22 | Maleshwaram 2nd stage | 9876543212 | 22 |
| Lokesh | Vittal | 23 | Banshankari 3rd block | 9676543212 | 45 |
| Neeraj | Sharma | 24 | Kengeri satellite town | 9896543212 | 39 |
| Pardeep | Dahiya | 25 | Banshankari 4rh block | 9996543212 | 18 |
| Sanjeev | Deshmuk | 26 | Maleshwaram 1st stage | 9336543212 | 27 |
| Manoj | Prateek | 27 | Govindaraja nagara | 9876553212 | 34 |
| Rakesh | Sangroya | 28 | Hubli main street | 9878843212 | 56 |
| Chandra | Reddy | 29 | Maleshwaram 3rd stage | 8876543212 | 70 |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.017 sec)

MariaDB [demo_crime]> insert into user_details VALUES("Madhav","Sharma",22,"Maleshwaram 2nd stage",9876543212,9);
ERROR 1644 (45000): ERROR: AGE MUST BE ATLEAST 25 YEARS!
MariaDB [demo_crime]>
```

## FUNCTIONS:

Arrest the criminals immediately if crime location is grater than one and type is “SERIAL KILLERS”.

```
MariaDB [demo_crime]> delimiter $$
MariaDB [demo_crime]> create function crime_arrest(criminal_id varchar(20))
-> returns varchar(50)
-> begin
-> declare print varchar(50);
-> declare count int;
-> select count(crime_location) into count from crime_details where criminal_type = "SERIAL KILLER";
-> if count > 1 then
-> set print = "ARREST IMMEDIATELY";
-> else
-> set print = "ARREST Later";
-> end if;
-> return print;
-> end$$
Query OK, 0 rows affected (0.015 sec)
```

```
MariaDB [demo_crime]> select *, criminal_arrest(criminal_id) from crime_details;
-> $$
```

| criminal_id | criminal_name | criminal_type | criminal_NickName | crime_Location     | crime_date | criminal_arrest(criminal_id) |
|-------------|---------------|---------------|-------------------|--------------------|------------|------------------------------|
| 0           | Madhav        | SERIAL KILLER | Mandy             | Bengaluru          | 1978-12-22 | ARREST IMMEDIATELY           |
| 11          | JOHNSON       | SERIAL KILLER | jonny             | Mandya             | 1948-07-27 | ARREST IMMEDIATELY           |
| 12          | BERGLIM       | ROBBER        | berly             | Bengaluru          | 1995-02-05 | ARREST LATER                 |
| 13          | ROBERT        | SERIAL KILLER | robby             | Mangaluru          | 1999-09-30 | ARREST IMMEDIATELY           |
| 14          | JIMMY         | THEIF         | jimmy             | Nasik              | 1989-10-22 | ARREST LATER                 |
| 15          | STUART        | SERIAL KILLER | staum             | Dwarka             | 1967-09-27 | ARREST IMMEDIATELY           |
| 16          | LIMENET       | ROBBER        | liemmy            | Delhi              | 1998-03-23 | ARREST LATER                 |
| 17          | USEF          | MURDERER      | usef              | Mumbai             | 1984-04-17 | ARREST LATER                 |
| 18          | MANHAT        | THIEF         | manhat            | Thiruvananthapuram | 1967-11-29 | ARREST LATER                 |

9 rows in set (0.002 sec)

## Developing a Frontend

The frontend should support

1.Addition, Modification and Deletion of records from any chosen table.

a. INSERT DETAILS:

b. VIEW DETAILS:

Menu  
View

# Crime Report Management System

## View Details:

View all CRIME DETAILS

|   | criminal_id | criminal_name | criminal_nickname | criminal_type | crime_location     | crime_date |
|---|-------------|---------------|-------------------|---------------|--------------------|------------|
| 0 | 0           | Madhav        | SERIAL KILLER     | Mandy         | Bengaluru          | 1978-12-22 |
| 1 | 11          | JOHNSON       | SERIAL KILLER     | Jonny         | Mandya             | 1948-07-27 |
| 2 | 12          | BERGLIM       | ROBBER            | berly         | Bengaluru          | 1995-02-05 |
| 3 | 13          | ROBERT        | SERIAL KILLER     | robby         | Mangaluru          | 1999-09-30 |
| 4 | 14          | JIMMY         | THEIF             | jimmy         | Nasik              | 1989-10-22 |
| 5 | 15          | STUART        | SERIAL KILLER     | staum         | Dwarka             | 1967-09-27 |
| 6 | 16          | LIMENET       | ROBBER            | limmy         | Delhi              | 1998-03-23 |
| 7 | 17          | USEF          | MURDERER          | usef          | Mumbai             | 1984-04-17 |
| 8 | 18          | MANHAT        | THIEF             | manhat        | Thiruvananthapuram | 1967-11-29 |
| 9 | 34          | MOHIT         | THIEF             | MOHIITTT      | Mandya             | 2022-11-30 |

## c.UPDATE DETAILS:

Menu  
Edit

## Edited Details:

Current CRIME DETAILS

DETAILS to Edit

Madhav

CRIMINAL ID:

1

CRIMINAL NICKNAME:

SERIAL KILLER

CRIMINAL Name:

Madhav

Bengaluru

CRIMINAL TYPE:

Mandy

Crime Date:

2022/11/28

Update Details

Successfully updated:: Madhav to ::Madhav

Menu

Edit

Mandy

2022/11/28

Update Details

Updated data

|   | new_criminal_id | new_criminal_name | new_criminal_nickname | new_criminal_type | new_crime_lo       |
|---|-----------------|-------------------|-----------------------|-------------------|--------------------|
| 0 | 1               | Madhav            | SERIAL KILLER         | Mandy             | Bengaluru          |
| 1 | 11              | JOHNSON           | SERIAL KILLER         | jonny             | Mandya             |
| 2 | 12              | BERGLIM           | ROBBER                | berly             | Bengaluru          |
| 3 | 13              | ROBERT            | SERIAL KILLER         | robby             | Mangaluru          |
| 4 | 14              | JIMMY             | THEIF                 | jimmy             | Nasik              |
| 5 | 15              | STUART            | SERIAL KILLER         | staum             | Dwarka             |
| 6 | 16              | LIMENET           | ROBBER                | limmy             | Delhi              |
| 7 | 17              | USEF              | MURDERER              | usef              | Mumbai             |
| 8 | 18              | MANHAT            | THIEF                 | manhat            | Thiruvananthapuram |
| 9 | 19              | JOHNSONmins       | MURDERER              | jonny             | Mandya             |

## d. DELETE DETAILS:

Menu

Remove

# Crime Report Management System

## Delete Details:

Current data

Crime Details to Delete

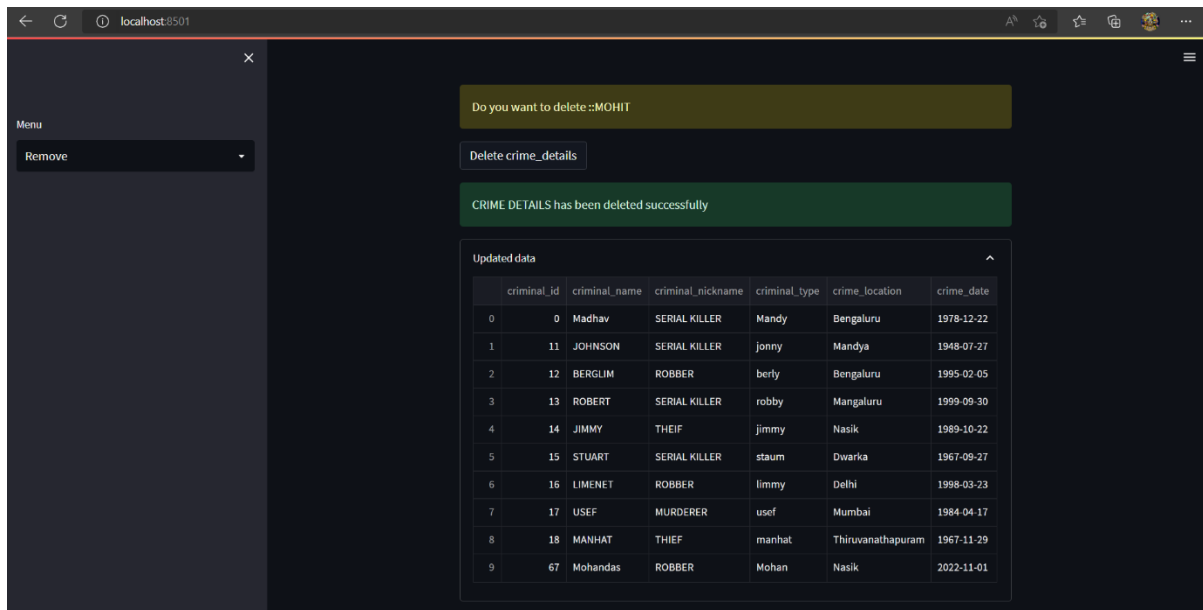
MOHIT

Do you want to delete ::MOHIT

Delete crime\_details

CRIME DETAILS has been deleted successfully

Updated data



2. There should be a window to accept and run any SQL statement and display the result.

