

# **A Project Report On “Police-Database-Management-System”**



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# 1. Introduction

We see that when a group or society is formed then some rules and laws are made by the people, for the people and to the people. The purpose of these rules and laws are to give a peaceful life to all who are living in that society and to enforce these laws we need an organization of people which we call police. Whenever any law is violated by anyone, we say that crime is committed and complaint is registered against that man by the victim to the police. To keep record of criminals, complaints, police men and data related to case we need a database of this organization.

## 2. Project Description

As the name suggests, the **Police Database Management System** is a web application that allows all the paper work that are done in the police station to be stored in one single system with great ease. It can help in handling the records easier. Sometimes if there is a need for some information of a particular case then you need to search in huge heap of files where that information is stored in those files. So that will involve in wastage of time and also effort. So, to overcome these problems, the police database management system can be useful. This will reduce a lot of pen and paper work that is involved.

The **Police Database Management System** web application can help in storing the records related to the cases, complaint record, case history and so on. This can allow a person to enter or delete the records if necessary. All these records can be maintained in a single database. Security is maintained so as to ensure that only the authorized users will have access to the system. This application will be one of the useful projects that the police can rely on. This application can help in getting the information of the cases of many years back. It can also help in minimizing most of the work of the police. The features that can be included in this application are as follows:

- head
- complaint
- police
- police\_station
- update\_case
- user

The database crime\_portal includes 6 relations(tables) as shown in the Snapshot which includes head, complaint, police, police\_station, update\_case and user.

```
mysql> use crime_portal;
Database changed
mysql> show tables;
+-----+
| Tables_in_crime_portal |
+-----+
| complaint              |
| head                   |
| police                 |
| police_station         |
| update_case            |
| user                   |
+-----+
6 rows in set (0.01 sec)
```

## user

The relation/table user stores the information about user.

Attributes of the table user are shown in the snapshot attached below.

```
mysql> desc user;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| u_name | varchar(50)   | NO   |     | NULL    |       |
| u_id   | varchar(50)   | NO   | UNI | NULL    |       |
| u_pass | varchar(50)   | NO   |     | NULL    |       |
| u_addr | varchar(100)  | NO   |     | NULL    |       |
| a_no   | bigint        | NO   | PRI | NULL    |       |
| gen    | varchar(15)   | NO   |     | NULL    |       |
| mob    | bigint        | NO   | UNI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.01 sec)
```

The a\_no acts as the primary key for the table and unique constraint is applied on fields u\_id and mob.

## police\_station

The relation/table police\_station stores the information about various police station and there incharge based on location.

Attributes of the table user are shown in the snapshot attached below.

```
mysql> desc police_station;
```

| Field    | Type        | Null | Key | Default | Extra |
|----------|-------------|------|-----|---------|-------|
| i_id     | varchar(50) | NO   | PRI | NULL    |       |
| i_name   | varchar(50) | NO   |     | NULL    |       |
| location | varchar(50) | NO   | UNI | NULL    |       |
| i_pass   | varchar(50) | NO   |     | NULL    |       |

```
4 rows in set (0.01 sec)
```

The i\_id acts as the primary key for the table and unique constraint is applied on field location as for each location one police station is assigned.

## police

The relation/table police stores the information about various police assigned at a location.

Attributes of the table user are shown in the snapshot attached below.

```
mysql> desc police;
```

| Field    | Type        | Null | Key | Default | Extra |
|----------|-------------|------|-----|---------|-------|
| p_name   | varchar(50) | NO   |     | NULL    |       |
| p_id     | varchar(50) | NO   | PRI | NULL    |       |
| spec     | varchar(50) | NO   |     | NULL    |       |
| location | varchar(50) | NO   |     | NULL    |       |
| p_pass   | varchar(50) | NO   |     | NULL    |       |

```
5 rows in set (0.00 sec)
```

The p\_id acts as the primary key for the table and not null is selected for every attribute.

## head

The relation/table head stores the login info about the head

Attributes of the table user are shown in the snapshot attached below

```
mysql> desc head;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| h_id  | varchar(50)   | NO   |     | NULL    |       |
| h_pass| varchar(50)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

## complaint

The relation/table complaint stores the information about complaint made by user.

Attributes of the table user are shown in the snapshot attached below.

```
mysql> desc complaint;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default      | Extra      |
+-----+-----+-----+-----+-----+-----+
| c_id       | int           | NO   | PRI | NULL         | auto_increment |
| a_no       | bigint        | NO   |     | NULL         |               |
| location   | varchar(50)   | NO   |     | NULL         |               |
| type_crime | varchar(50)   | NO   |     | NULL         |               |
| d_o_c      | date          | NO   |     | NULL         |               |
| description| varchar(7000) | NO   |     | NULL         |               |
| inc_status | varchar(50)   | YES  |     | Unassigned   |               |
| pol_status | varchar(50)   | YES  |     | null         |               |
| p_id       | varchar(50)   | YES  |     | null         |               |
+-----+-----+-----+-----+-----+-----+
9 rows in set (0.02 sec)
```

Here the c\_id acts as primary key.



## update\_case

The relation/table update\_case stores the updates made by police on certain cases.

Attributes of the table user are shown in the snapshot attached below.

```
mysql> desc update_case;
```

| Field       | Type         | Null | Key | Default           | Extra             |
|-------------|--------------|------|-----|-------------------|-------------------|
| c_id        | int          | NO   |     | NULL              |                   |
| d_o_u       | timestamp    | NO   | PRI | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| case_update | varchar(200) | NO   |     | NULL              |                   |

3 rows in set (0.00 sec)

Here the d\_o\_u acts as primary key.

# 3. Project Requirements:

## Hardware Requirements for Use:

- Keyboard
- Mouse
- Screen solution of at least 1024\*768 required for proper and complete viewing of screen
- RAM 1GB
- Hard Disk 250 GB

## Requirement for software:

- PHP
- HTML
- CSS
- JAVASCRIPT
- BOOTSRAP

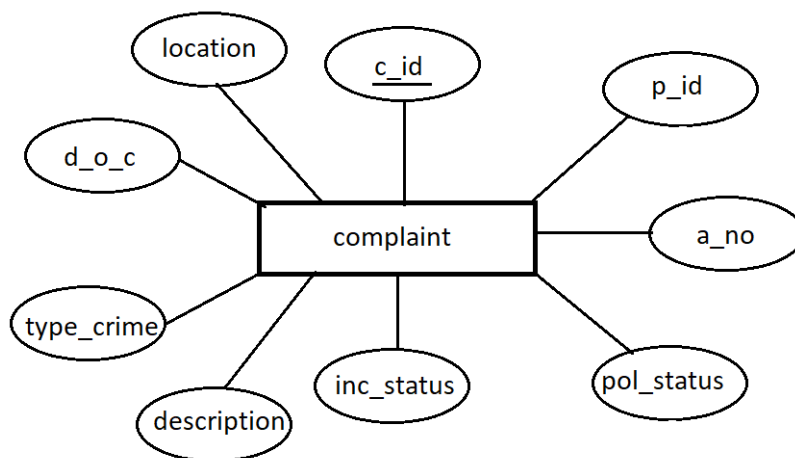
## Software Requirement for use:

- Operating system- Desktop and laptop-based OS
- Server XAMPP Control v3.3.2
- Application software: PHP, MYSQL, Java script
- Web browser like Chrome, Brave.

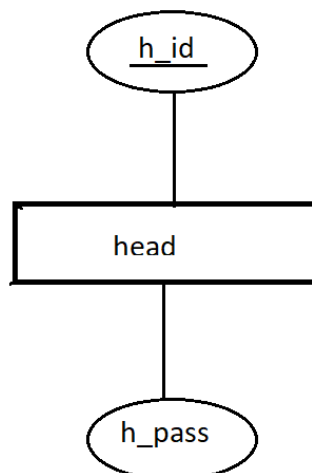
## 4. ER-Diagram

ER of all relations:

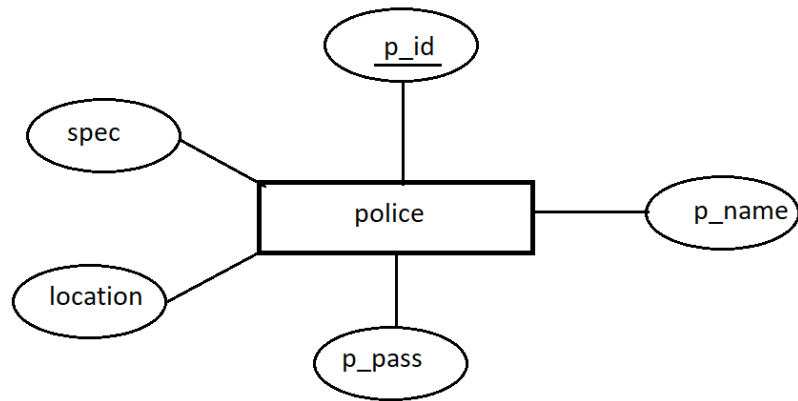
- complaint



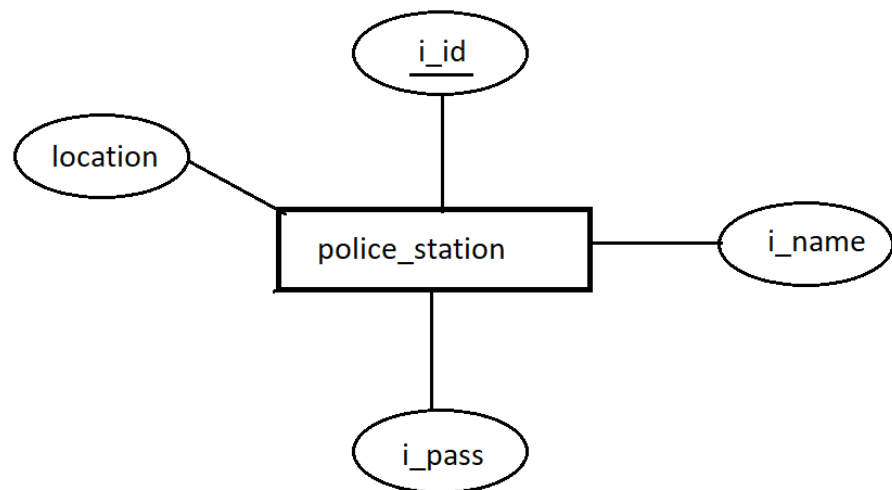
- head



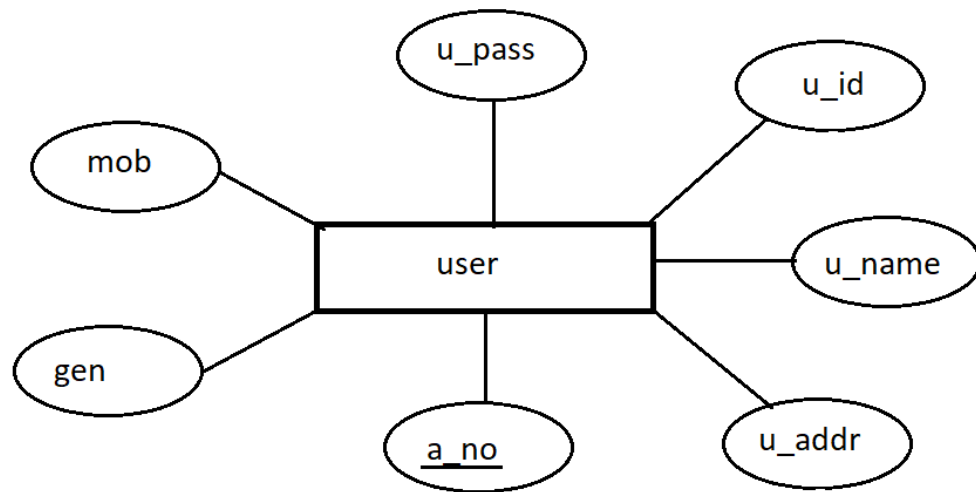
- police



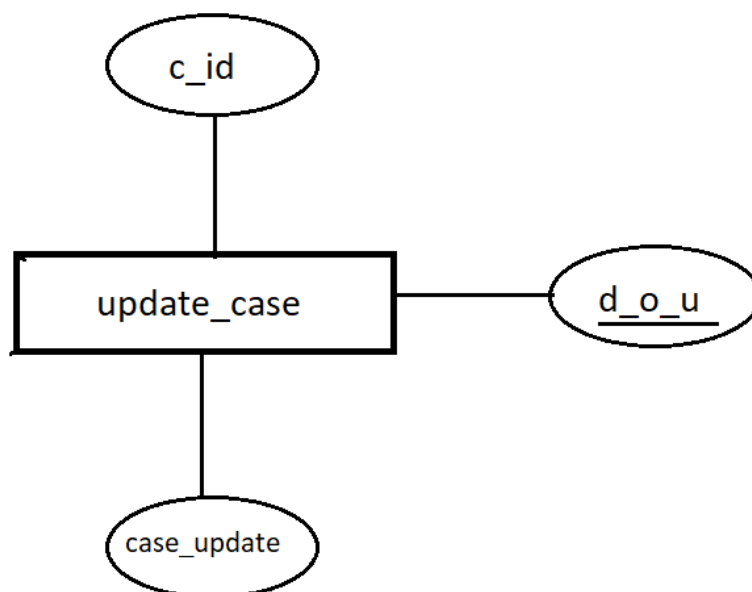
- police\_station



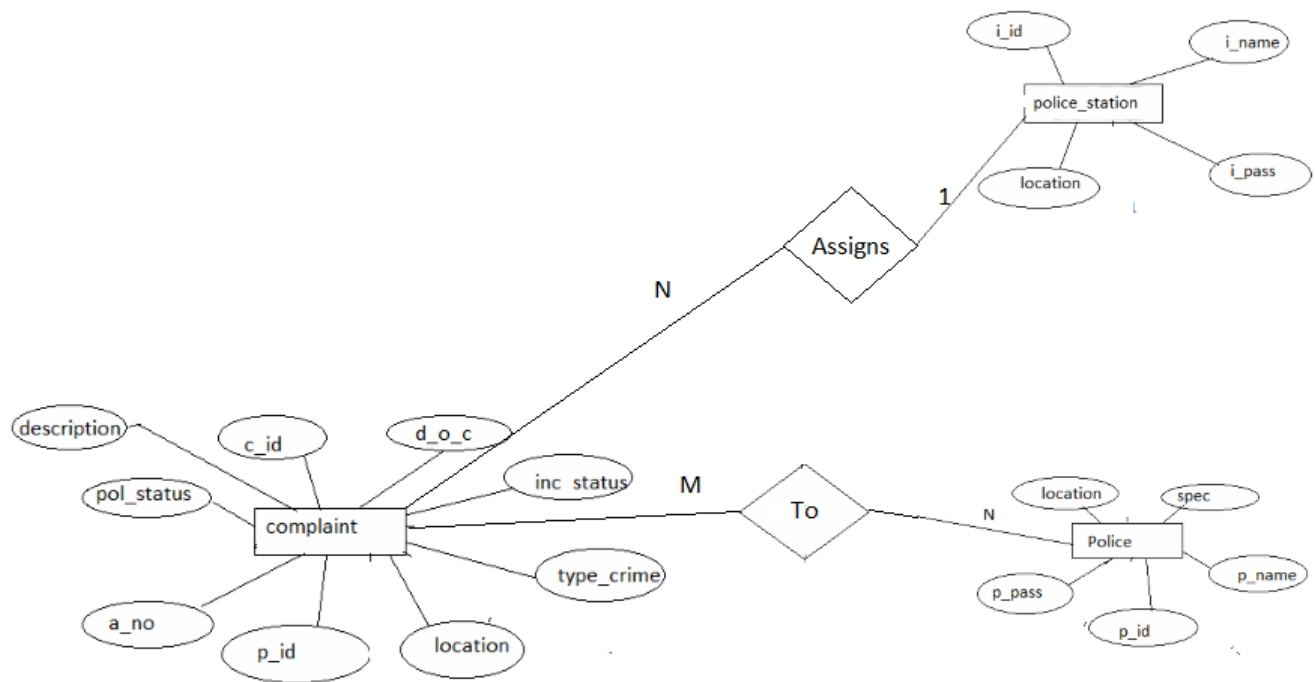
▪ user



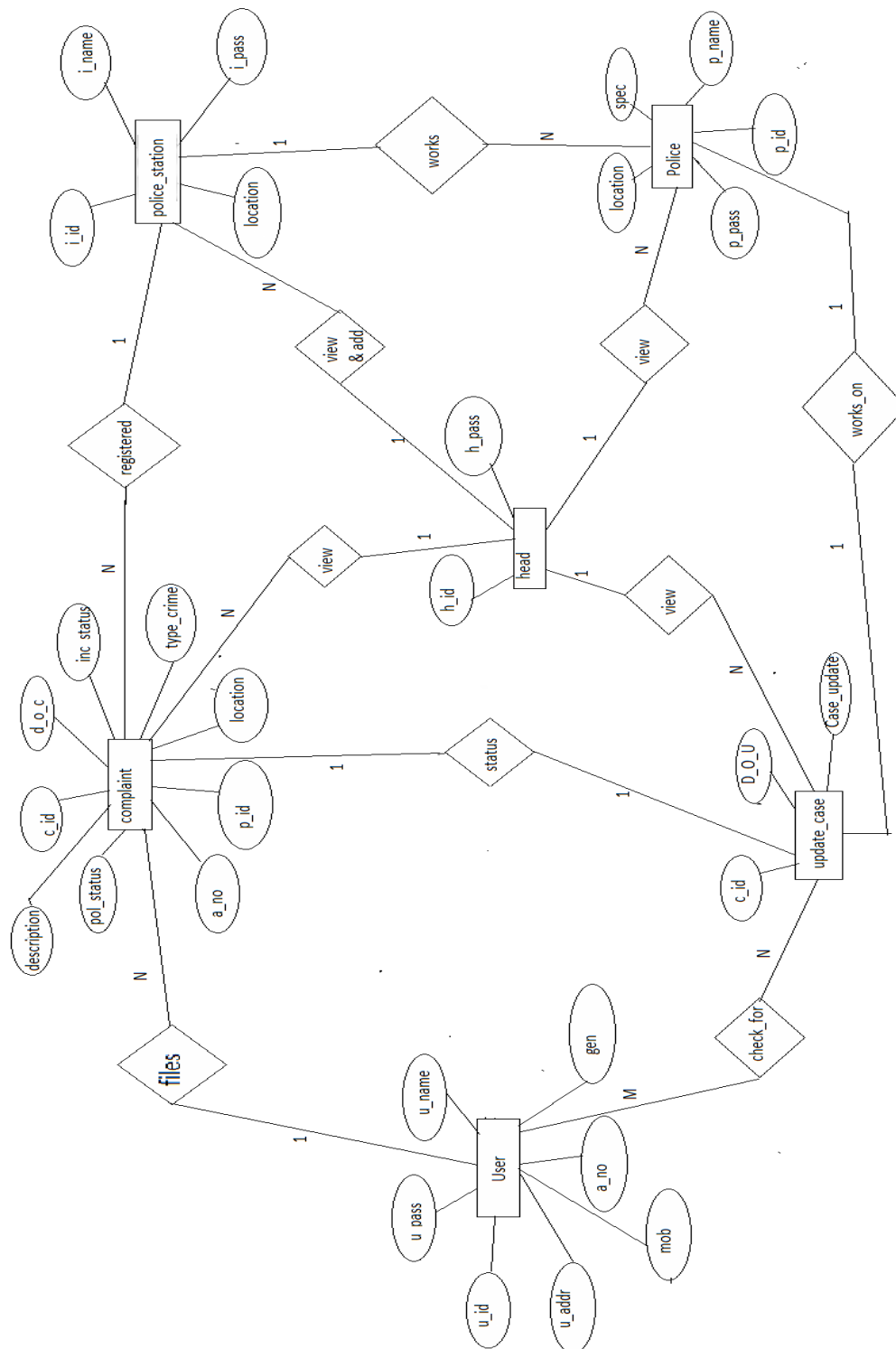
▪ update\_case



## ER of relation between police station, police and complaint



## ER of relation between all the relations in the database



## 5. SQL Query

```
-- phpMyAdmin SQL Dump
-- version 4.8.0.1
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Dec 17, 2018 at 04:19 PM
-- Server version: 10.1.32-MariaDB
-- PHP Version: 5.6.36

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
START TRANSACTION;
SET time_zone = "+00:00";

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

--
-- Database: `crime_portal`
--

--
-- -----
--
-- Table structure for table `complaint`
--

CREATE TABLE `complaint` (
  `c_id` int(11) NOT NULL,
  `a_no` bigint(12) NOT NULL,
  `location` varchar(50) NOT NULL,
  `type_crime` varchar(50) NOT NULL,
  `d_o_c` date NOT NULL,
  `description` varchar(7000) NOT NULL,
  `inc_status` varchar(50) DEFAULT 'Unassigned',
  `pol_status` varchar(50) DEFAULT 'null',
  `p_id` varchar(50) DEFAULT 'Null'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `complaint`
--

INSERT INTO `complaint` (`c_id`, `a_no`, `location`, `type_crime`,
`d_o_c`, `description`, `inc_status`, `pol_status`, `p_id`) VALUES
```



```

(4,987667895432, 'Gandhi Maidan', 'Pick Pocket', '2022-11-09',
'around 5:30 pm ', 'Assigned', 'In Process', 'p01ak');

-- -----

--
-- Table structure for table `head`
--

CREATE TABLE `head` (
  `h_id` varchar(50) NOT NULL,
  `h_pass` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `head`
--

INSERT INTO `head` (`h_id`, `h_pass`) VALUES
('bhaskarmondal@gmail.com', 'dbmscse1');

-- -----

--
-- Table structure for table `police`
--

CREATE TABLE `police` (
  `p_name` varchar(50) NOT NULL,
  `p_id` varchar(50) NOT NULL,
  `spec` varchar(50) NOT NULL,
  `location` varchar(50) NOT NULL,
  `p_pass` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `police`
--

INSERT INTO `police` (`p_name`, `p_id`, `spec`, `location`,
`p_pass`) VALUES ('Chandan Gupta', 'p16cg', 'All', 'Rajendra Nagar',
'chandanrn');

-- -----

--
-- Table structure for table `police_station`
--

CREATE TABLE `police_station` (
  `i_id` varchar(50) NOT NULL,
  `i_name` varchar(50) NOT NULL,
  `location` varchar(50) NOT NULL,
  `i_pass` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

--
-- Dumping data for table `police_station`
--
INSERT INTO `police_station` (`i_id`, `i_name`, `location`,
`i_pass`) VALUES ('pranavs@danapur', 'Pranav Shukla', 'Danapur',
'pranav');

INSERT INTO `police_station` (`i_id`, `i_name`, `location`,
`i_pass`) VALUES ('prateeks@gandhimaidan', 'Prateek Saurav', 'Gandhi
Maidan', 'prateek');

-- -----

--
-- Table structure for table `update_case`
--

CREATE TABLE `update_case` (
  `c_id` int(11) NOT NULL,
  `d_o_u` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
  `case_update` varchar(200) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `update_case`
--

INSERT INTO `update_case` (`c_id`, `d_o_u`, `case_update`) VALUES
('value-1', 'value-2', 'value-3')
-- -----

--
-- Table structure for table `user`
--

CREATE TABLE `user` (
  `u_name` varchar(50) NOT NULL,
  `u_id` varchar(50) NOT NULL,
  `u_pass` varchar(50) NOT NULL,
  `u_addr` varchar(100) NOT NULL,
  `a_no` bigint(12) NOT NULL,
  `gen` varchar(15) NOT NULL,
  `mob` bigint(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `user`
--

INSERT INTO `user` (`u_name`, `u_id`, `u_pass`, `u_addr`, `a_no`,
`gen`, `mob`) VALUES ('Aditi Sinha', 'aditis@gmail.com', 'sinhaa',
'Jabalpur', '765434568213', 'female', '8765345689');

--
-- Indexes for dumped tables

```

```

--

--
-- Indexes for table `complaint`
--
ALTER TABLE `complaint`
  ADD PRIMARY KEY (`c_id`);

--
-- Indexes for table `police`
--
ALTER TABLE `police`
  ADD PRIMARY KEY (`p_id`);

--
-- Indexes for table `police_station`
--
ALTER TABLE `police_station`
  ADD PRIMARY KEY (`i_id`),
  ADD UNIQUE KEY `location` (`location`);

--
-- Indexes for table `update_case`
--
ALTER TABLE `update_case`
  ADD UNIQUE KEY `d_o_u` (`d_o_u`);

--
-- Indexes for table `user`
--
ALTER TABLE `user`
  ADD PRIMARY KEY (`a_no`),
  ADD UNIQUE KEY `u_id` (`u_id`),
  ADD UNIQUE KEY `mob` (`mob`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `complaint`
--
ALTER TABLE `complaint`
  MODIFY `c_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;

```

## SQL QUERY INCLUDED IN PHP FILES

```
$query="select c_id,description,inc_status,pol_status from  
complaint natural join user where c_id='$c_id' and  
u_id='$u_id'";
```

```
$result=mysqli_query($conn,$query);
```

```
$res2=mysqli_query($conn,"select d_o_u,case_update from  
update_case where c_id='$c_id'");
```

```
$result1=mysqli_query($conn,"SELECT a_no FROM user  
where u_id='$u_id'");
```

```
$q2=mysqli_fetch_assoc($result1);
```

```
$a_no=$q2['a_no'];
```

```
$resu=mysqli_query($conn,"SELECT a_no FROM complaint  
where c_id='$cid'");
```

```
$qn=mysqli_fetch_assoc($resu);
```

```
$result=mysqli_query($conn,"SELECT a_no FROM user  
where u_id='$u_id' ");
```

```
$q2=mysqli_fetch_assoc($result);
```

```
$a_no=$q2['a_no'];
```

```
$result1=mysqli_query($conn,"SELECT u_name FROM  
user where u_id='$u_id' ");
```

```
$q2=mysqli_fetch_assoc($result1);
```

```
$u_name=$q2['u_name'];
```

```
$comp="INSERT into  
complaint(a_no,location,type_crime,d_o_c,description)  
values('$a_no','$location','$type_crime','$d_o_c','$description'  
)";
```

```
mysqli_select_db($conn,"crime_portal");
```

```
$res=mysqli_query($conn,$comp);
```

```
$query="select c_id,description,inc_status,pol_status,location  
from complaint where c_id='$c_id'";
```

```
$result=mysqli_query($conn,$query);
```

```
$res2=mysqli_query($conn,"select d_o_u,case_update  
from update_case where c_id='$c_id'");
```

```
$query="select i_id,i_name,location from police_station";
```

```
$result=mysqli_query($conn,$query);
```

```
$query="select c_id,type_crime,d_o_c,location from  
complaint where location='$loc' order by c_id desc";
```

```
$result=mysqli_query($conn,$query);
```

```

$name=$_POST['email'];

$pass=$_POST['password'];

$result=mysqli_query($conn,"SELECT h_id,h_pass
FROM head where h_id='$name' and h_pass='$pass' ");


$result1 = mysqli_query($conn, "SELECT location FROM
police_station where i_id='$i_id'");

$q2 = mysqli_fetch_assoc($result1);

//$status = $q2['inc_status'];

$loc=$q2['location'];

$query = "select c_id,type_crime,d_o_c,description from
complaint where inc_status='Unassigned'and location='$loc'
order by c_id desc";

$result = mysqli_query($conn, $query);


$res1=mysqli_query($conn,"SELECT p_id FROM police
where p_name='$pname'");

$q3=mysqli_fetch_assoc($res1);

$pid=$q3['p_id'];

$res=mysqli_query($conn,"update complaint set
inc_status='Assigned',pol_status='In Process',p_id='$pid'
where c_id='$cid'");

```

```
$query="select c_id,type_crime,d_o_c,description from  
complaint where c_id='$cid' and location='$location'";
```

```
$result=mysqli_query($conn,$query);
```

```
$query="select c_id,type_crime,d_o_c,description from  
complaint where c_id='$cid' and location='$location' order by  
c_id desc";
```

```
$result=mysqli_query($conn,$query);
```

```
$i_id=$_SESSION['email'];
```

```
$result1=mysqli_query($conn,"SELECT location FROM  
police_station where i_id='$i_id'");
```

```
$q2=mysqli_fetch_assoc($result1);
```

```
$qu=mysqli_query($conn,"select inc_status,location from  
complaint where c_id='$cid'");
```

```
$q=mysqli_fetch_assoc($qu);
```

```
$inc_st=$q['inc_status'];
```

```
$query="select  
c_id,type_crime,d_o_c,location,inc_status,p_id from  
complaint where location='$location' order by c_id desc";
```

```
$result=mysqli_query($conn,$query);
```

```
$result1=mysqli_query($conn,"SELECT location FROM  
police_station where i_id='$i_id'");
```

```
$q1=mysqli_query($conn,"delete from police where  
p_id='$pid'");
```

```
    $q3=mysqli_query($conn,"update complaint set  
pol_status='null',inc_status='Unassigned',p_id='Null' where  
p_id='$pid'");
```

```
$result=mysqli_query($conn,"select  
p_id,p_name,spec,location from police where  
location='$location'");
```

```
$result=mysqli_query($conn,"SELECT i_id,i_pass FROM  
police_station where i_id='$name' and i_pass='$pass' ");
```

```
$result1=mysqli_query($con,"SELECT location FROM  
police_station where i_id='$i_id'");
```

```
    $q2=mysqli_fetch_assoc($result1);
```

```
    $location=$q2['location'];
```

```
$query="select  
c_id,type_crime,d_o_c,description,mob,u_addr from  
complaint natural join user where c_id='$cid' and  
p_id='$p_id'";
```

```
    $result=mysqli_query($conn,$query);
```



```
$sql=mysqli_query($conn,"insert into
update_case(c_id,case_update) values('$cid','$upd')");

$res2=mysqli_query($conn,"select d_o_u,case_update from
update_case where c_id='$cid'");

$result=mysqli_query($conn,"SELECT
c_id,type_crime,d_o_c,location,mob,u_addr FROM complaint
natural join user where p_id='$p_id' and
pol_status='ChargeSheet Filed' order by c_id desc");

?>
```

```
$cid=$_POST['cid'];

$_SESSION['cid']=$cid;

$alok=mysqli_query($conn,"SELECT p_id FROM
complaint WHERE c_id='$cid'");

$row = mysqli_fetch_assoc($alok);

$p_id=$_SESSION['pol'];
```

```
$result=mysqli_query($conn,"SELECT
c_id,type_crime,d_o_c,location FROM complaint where
p_id='$p_id' and pol_status='In Process' order by c_id desc");

?>
```

```
$reg="insert into police_station
values('$i_id','$i_name','$loc','$u_pass')";
```

```
$name=$_POST['email'];
```

```
$pass=$_POST['password'];
```

```
$result=mysqli_query($conn,"SELECT p_id,p_pass  
FROM police where p_id='$name' and p_pass='$pass' ");
```

```
$reg="insert into user  
values('$u_name','$u_id','$u_pass','$u_addr','$a_no','$gen','$m  
ob')";
```

```
mysqli_select_db($con,"crime_portal");
```

```
$res=mysqli_query($con,$reg);
```

```
$result=mysqli_query($conn,"SELECT u_id,u_pass FROM  
user where u_id='$name' and u_pass='$pass' ");
```

# Updated table snapshots after performing the queries

## user

```
mysql> select * from user;
```

| u_name         | u_id                | u_pass  | u_addr     | a_no         | gen    | mob        |
|----------------|---------------------|---------|------------|--------------|--------|------------|
| Aditi Sinha    | aditis@gmail.com    | sinhaa  | Jabalpur   | 765434568213 | Female | 8765345689 |
| Nitish Kumar   | nitishk@gmail.com   | kumarn  | Gaya       | 789065432456 | Male   | 7896432156 |
| Shikha Singh   | shikhas@gmail.com   | singhs  | Patna      | 943256789123 | Female | 9508667891 |
| Abhijeet Kumar | abhijeetk@gmail.com | kumara  | Aurangabad | 987634561289 | Male   | 8790654361 |
| Prince Pranav  | princep@gmail.com   | pranavp | Bhagalpur  | 987667895432 | Male   | 9876578645 |

```
5 rows in set (0.01 sec)
```

## police

```
mysql> select * from police;
```

| p_name         | p_id  | spec    | location       | p_pass    |
|----------------|-------|---------|----------------|-----------|
| Alok Kumar     | p01ak | All     | Gandhi Maidan  | alokgm    |
| Sahil Kumar    | p01sk | All     | Gandhi Maidan  | shahilgm  |
| Jay Singh      | p12js | All     | Danapur        | jayda     |
| Manish Singh   | p12ms | Murder  | Danapur        | manishda  |
| Chandan Gupta  | p16cg | All     | Rajendra Nagar | chandanrn |
| Suvendu Ghosh  | p16sg | Robbery | Rajendra Nagar | suvendurn |
| Chetan Lal     | p20cl | All     | Kankarbagh     | chetank   |
| Nishant Singh  | p20ns | All     | Kankarbagh     | nishantk  |
| Rajeev Verma   | p24rv | All     | Rajeev Nagar   | rajra     |
| Shobhit Ranjan | p24sr | All     | Rajeev Nagar   | shobhitra |

```
10 rows in set (0.00 sec)
```

## police\_station

```
mysql> select * from police_station;
```

| i_id                  | i_name          | location       | i_pass  |
|-----------------------|-----------------|----------------|---------|
| pranavs@danapur       | Pranav Shukla   | Danapur        | pranav  |
| prateeks@gandhimaidan | Prateek Saurav  | Gandhi Maidan  | prateek |
| ravis@rajendranagar   | Ravi Shrivastav | Rajendra Nagar | ravi    |
| shivamp@kankarbagh    | Shivam Pandey   | Kankarbagh     | shivam  |
| shivs@rajeevnagar     | Shiv Sharma     | Rajeev Nagar   | shiv    |

```
5 rows in set (0.01 sec)
```

## complaint

```
mysql> select * from complaint;
```

| c_id | a_no         | location      | type_crime  | d_o_c      | description    | inc_status | pol_status | p_id  |
|------|--------------|---------------|-------------|------------|----------------|------------|------------|-------|
| 4    | 987667895432 | Gandhi Maidan | Pick Pocket | 2022-11-09 | around 5:30 pm | Assigned   | In Process | p01ak |

```
1 row in set (0.00 sec)
```

## head

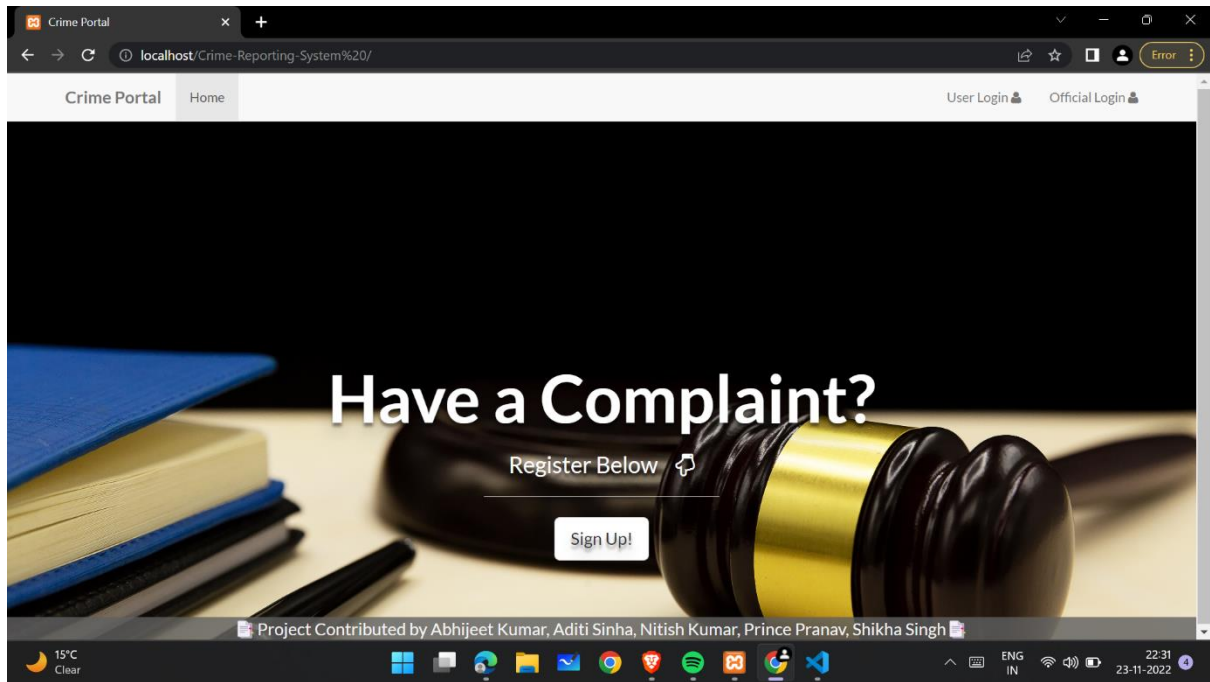
```
mysql> select * from head;
```

| h_id                    | h_pass   |
|-------------------------|----------|
| bhaskarmondal@gmail.com | dbmscse1 |

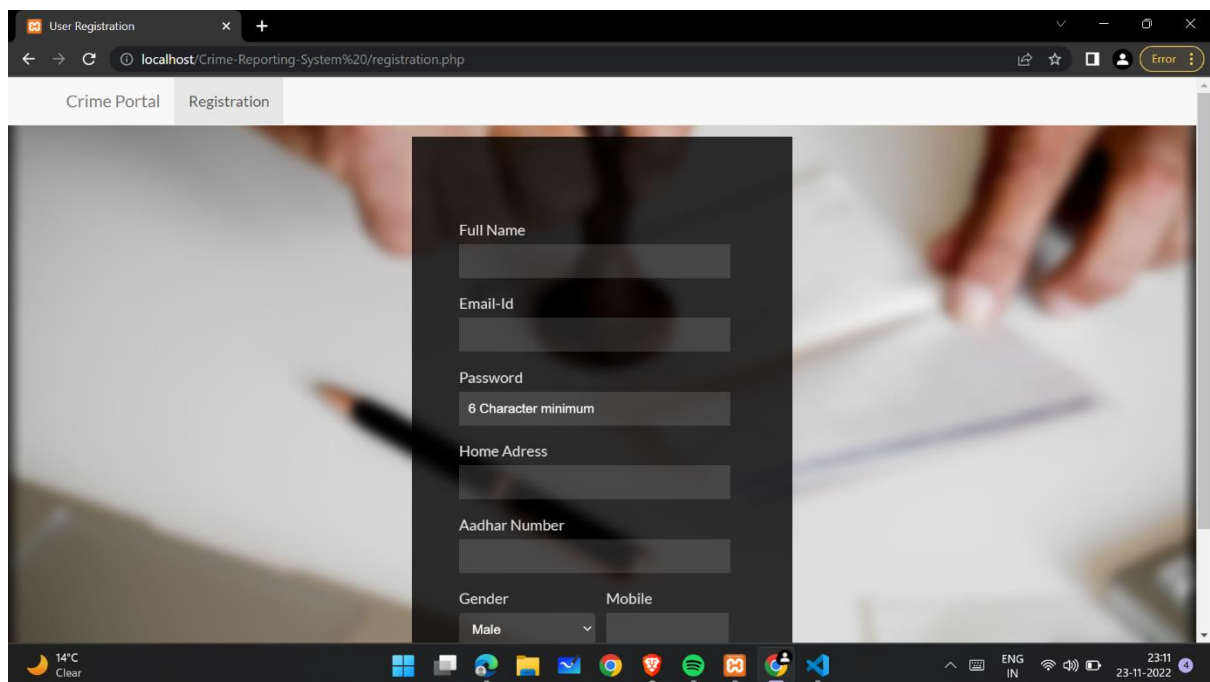
```
1 row in set (0.01 sec)
```

# 6. Interface of App

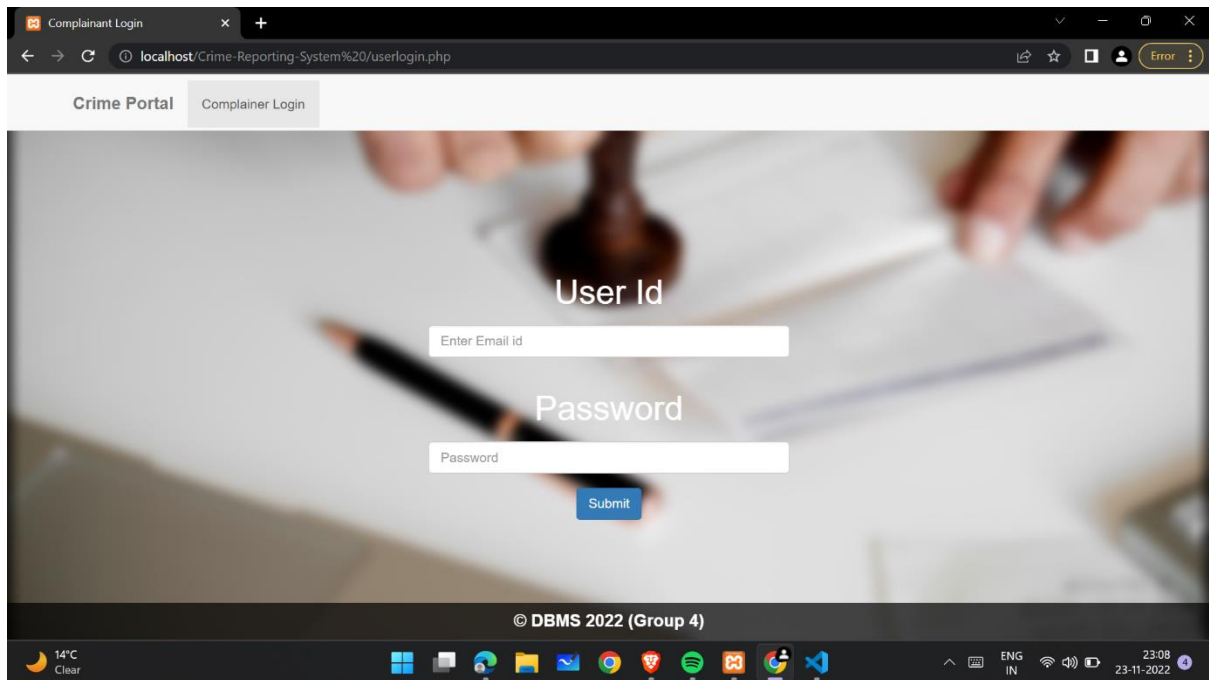
## Home Page



## New User Registration Page

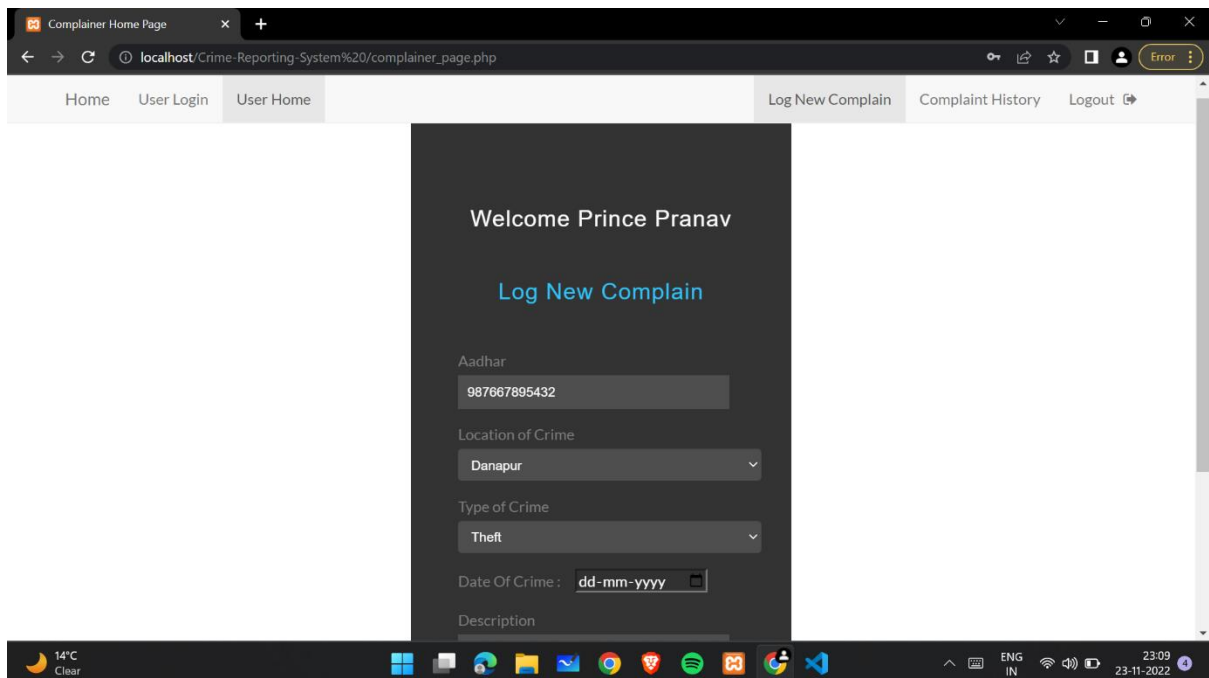


## Old User Login Page



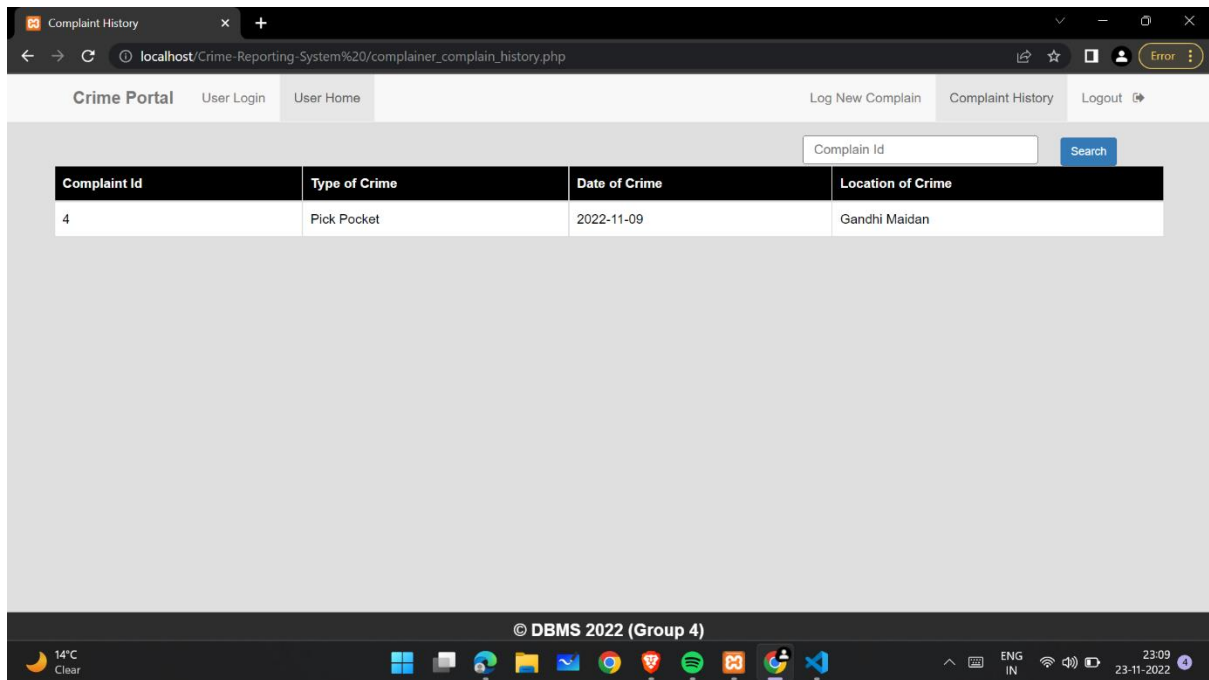
A screenshot of a web browser showing the 'Complainant Login' page. The browser's address bar displays 'localhost/Crime-Reporting-System%20/userlogin.php'. The page has a header with 'Crime Portal' and 'Complainer Login'. The main content area features a background image of hands writing on a document. Overlaid on this is a login form with the following elements: a 'User Id' label above an input field containing 'Enter Email id'; a 'Password' label above an input field containing 'Password'; and a blue 'Submit' button. At the bottom of the page, there is a footer with '© DBMS 2022 (Group 4)' and a Windows taskbar showing the date as 23-11-2022 and time as 23:08.

## Old User register new complaint page



A screenshot of a web browser showing the 'Complainer Home Page'. The browser's address bar displays 'localhost/Crime-Reporting-System%20/complainer\_page.php'. The page has a header with 'Home', 'User Login', 'User Home', 'Log New Complain', 'Complaint History', and 'Logout'. The main content area features a dark grey overlay with the following elements: a 'Welcome Prince Pranav' message; a blue 'Log New Complain' link; an 'Aadhar' input field containing '987667895432'; a 'Location of Crime' dropdown menu with 'Danapur' selected; a 'Type of Crime' dropdown menu with 'Theft' selected; a 'Date Of Crime' input field with 'dd-mm-yyyy' and a calendar icon; and a 'Description' input field. At the bottom of the page, there is a footer with '© DBMS 2022 (Group 4)' and a Windows taskbar showing the date as 23-11-2022 and time as 23:09.

## Old User Complain History Page

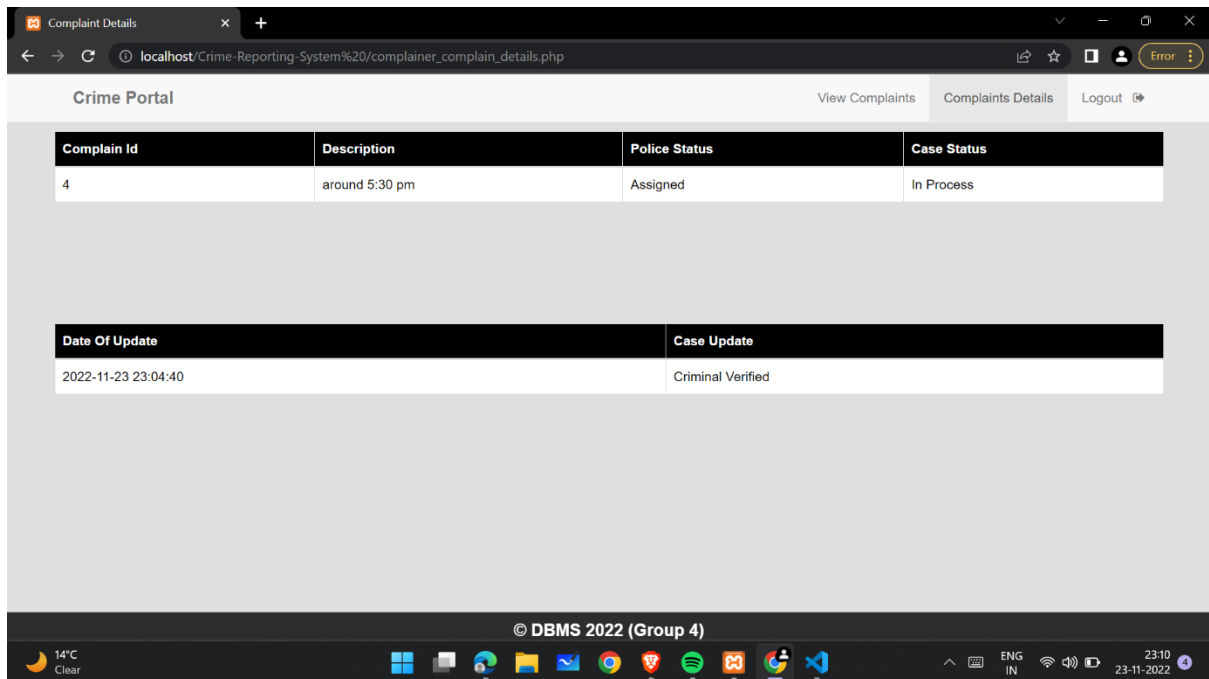


The screenshot shows a web browser window with the title "Complaint History". The address bar displays "localhost/Crime-Reporting-System%20/complainer\_complain\_history.php". The page has a navigation bar with "Crime Portal", "User Login", "User Home", "Log New Complain", "Complaint History", and "Logout". Below the navigation bar, there is a search bar labeled "Complain Id" with a "Search" button. The main content area displays a table with the following data:

| Complaint Id | Type of Crime | Date of Crime | Location of Crime |
|--------------|---------------|---------------|-------------------|
| 4            | Pick Pocket   | 2022-11-09    | Gandhi Maidan     |

The footer of the page shows "© DBMS 2022 (Group 4)" and a system tray with weather information (14°C Clear) and the date/time (23:09 23-11-2022).

## Old User Complaint Detail Page



The screenshot shows a web browser window with the title "Complaint Details". The address bar displays "localhost/Crime-Reporting-System%20/complainer\_complain\_details.php". The page has a navigation bar with "Crime Portal", "View Complaints", "Complaints Details", and "Logout". Below the navigation bar, there is a table with the following data:

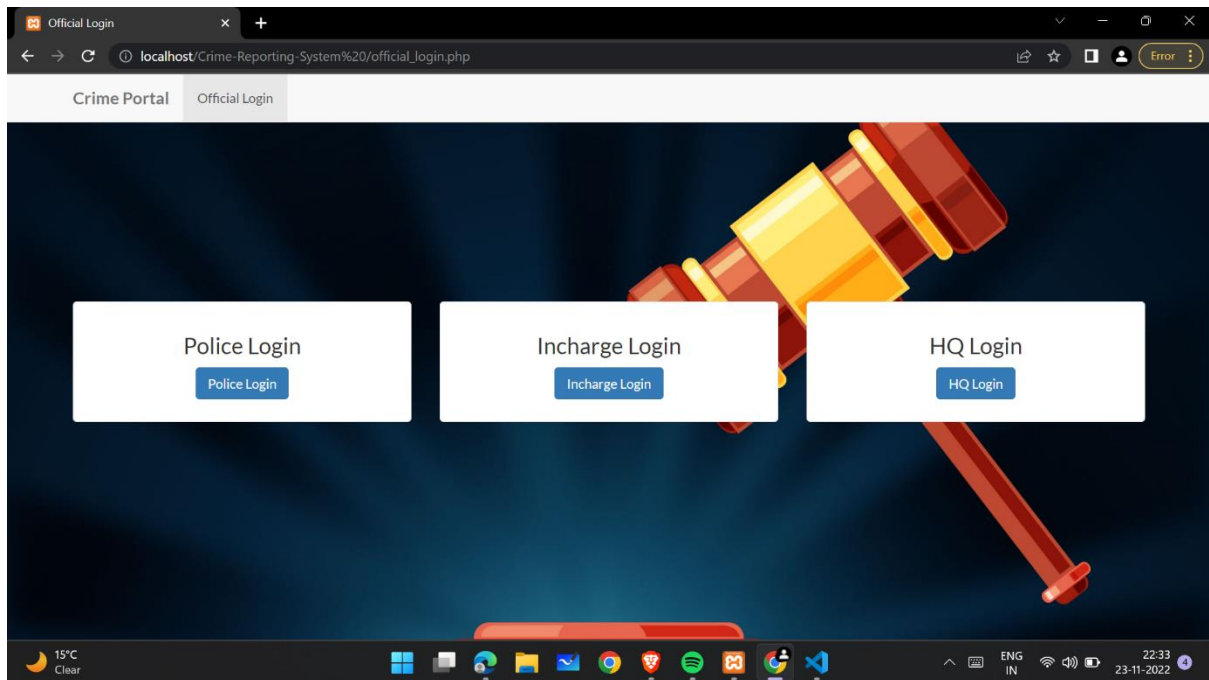
| Complain Id | Description    | Police Status | Case Status |
|-------------|----------------|---------------|-------------|
| 4           | around 5:30 pm | Assigned      | In Process  |

Below this table, there is another table with the following data:

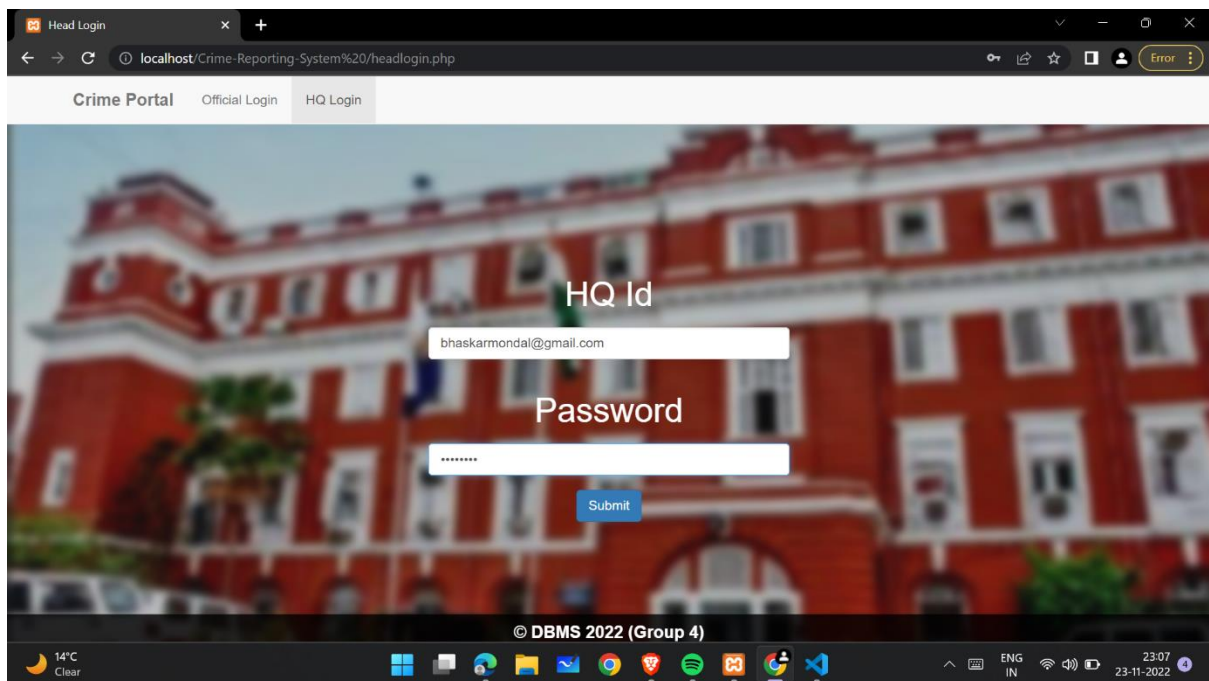
| Date Of Update      | Case Update       |
|---------------------|-------------------|
| 2022-11-23 23:04:40 | Criminal Verified |

The footer of the page shows "© DBMS 2022 (Group 4)" and a system tray with weather information (14°C Clear) and the date/time (23:10 23-11-2022).

# Official Login Page



# Head Login Page





## Head View Complain Page

Complaint Id

Search

Gandhi Maidan

Search

© DBMS 2022 (Group 4)

## Head search complain using location Page

| Complain Id | Type of Crime | Date Of Crime | Location of Crime |
|-------------|---------------|---------------|-------------------|
| 4           | Pick Pocket   | 2022-11-09    | Gandhi Maidan     |

## Head View Complain using Complain ID Page

The screenshot shows a web browser window with the address bar displaying 'localhost/Crime-Reporting-System%20/head\_case\_details.php'. The page title is 'Case Details'. The main content area has a header 'Crime Portal' on the left and navigation links 'View Complaints', 'Complaints Details', and 'Logout' on the right. Below the header is a table with the following data:

| Complain Id | Description    | Police Status | Case Status | Location of Crime |
|-------------|----------------|---------------|-------------|-------------------|
| 4           | around 5:30 pm | Assigned      | In Process  | Gandhi Maidan     |

Below this table is another table with the following data:

| Date Of Update      | Case Update       |
|---------------------|-------------------|
| 2022-11-23 23:04:40 | Criminal Verified |

The Windows taskbar at the bottom shows the date and time as 23:08 on 23-11-2022, along with various system icons.

## Head View Police Station Page

The screenshot shows a web browser window with the address bar displaying 'localhost/Crime-Reporting-System%20/head\_view\_police\_station.php'. The page title is 'Head View Police Station'. The main content area has a header 'Crime Portal' on the left and navigation links 'Official Login', 'Head Login', 'HQ Home', 'View Complaints', 'Police Station', and 'Logout' on the right. Below the header is a blue button labeled 'Add Police Station'. Below the button is a table with the following data:

| Incharge Id           | Incharge Name   | Location of Police Station |
|-----------------------|-----------------|----------------------------|
| pranavs@danapur       | Pranav Shukla   | Danapur                    |
| prateeks@gandhimaidan | Prateek Saurav  | Gandhi Maidan              |
| ravis@rajendranagar   | Ravi Shrivastav | Rajendra Nagar             |
| shivamp@kankarbagh    | Shivam Pandey   | Kankarbagh                 |
| shivs@rajeevnagar     | Shiv Sharma     | Rajeev Nagar               |

The Windows taskbar at the bottom shows the date and time as 23:08 on 23-11-2022, along with various system icons.

## Head Add Police Station Page

police station log

localhost/Crime-Reporting-System%20/police\_station\_add.php

Home HQ Login HQ Home Log Police Station Logout

### Log Police Station

Police Station Location

Station Location

Incharge Name

Incharge Name

Incharge Id

Incharge Id

Password

Password

Submit

14°C Clear

23:08 23-11-2022

## Incharge Login Page

Incharge Login

localhost/Crime-Reporting-System%20/inchargelogin.php

Crime Portal Official Login Incharge Login

Incharge Id

prateeks@gandhimaidan

Password

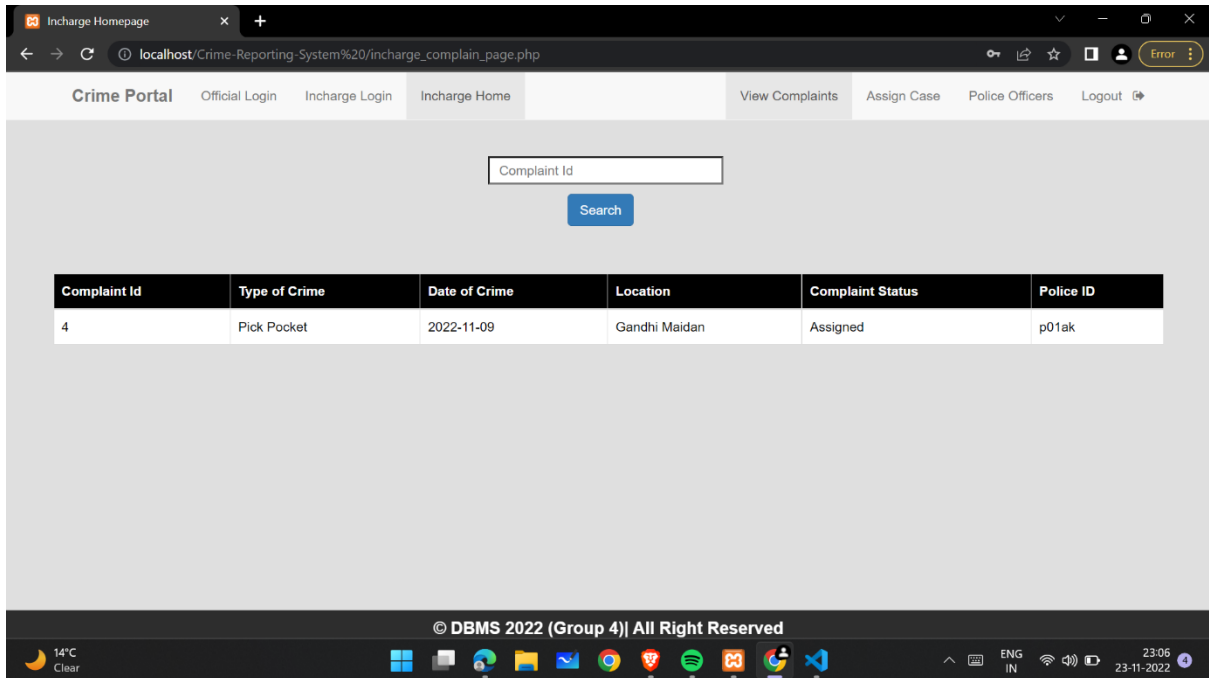
Submit

© DBMS 2022 (Group 4)

14°C Clear

23:06 23-11-2022

## Incharge View Complain Page

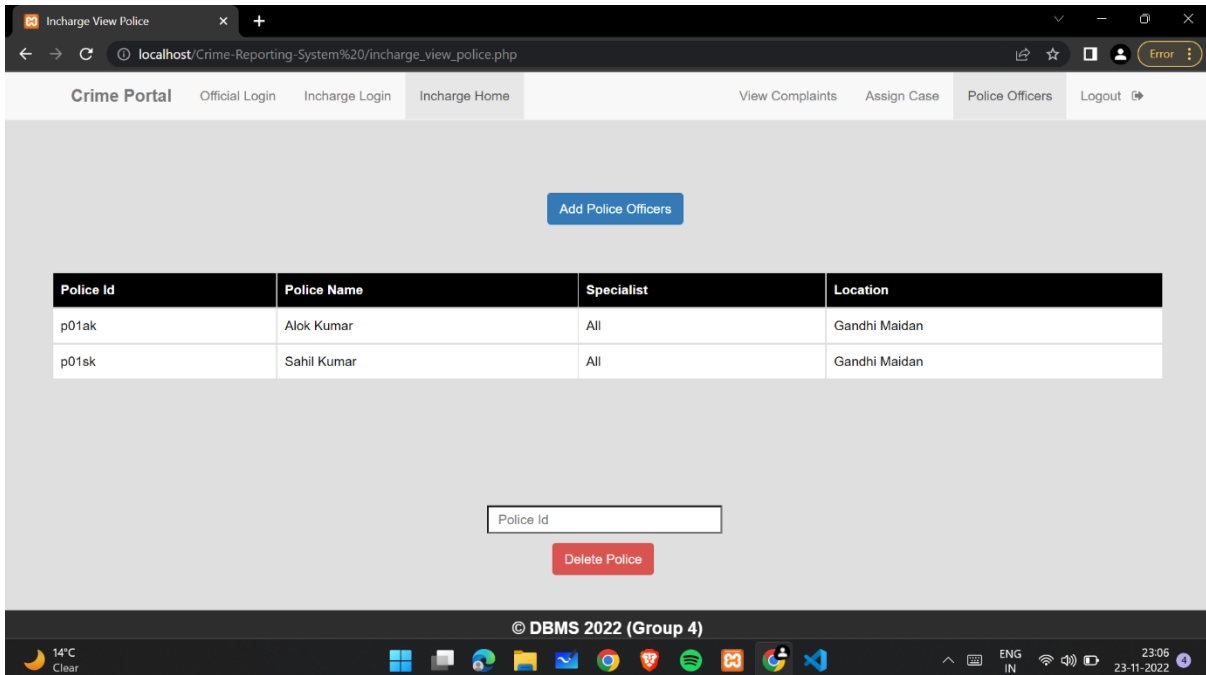


The screenshot shows a web browser window with the title 'Incharge Homepage'. The address bar displays 'localhost/Crime-Reporting-System%20/incharge\_complain\_page.php'. The navigation bar includes 'Crime Portal', 'Official Login', 'Incharge Login', 'Incharge Home', 'View Complaints', 'Assign Case', 'Police Officers', and 'Logout'. The main content area features a 'Complaint Id' input field and a 'Search' button. Below this is a table with the following data:

| Complaint Id | Type of Crime | Date of Crime | Location      | Complaint Status | Police ID |
|--------------|---------------|---------------|---------------|------------------|-----------|
| 4            | Pick Pocket   | 2022-11-09    | Gandhi Maidan | Assigned         | p01ak     |

The footer displays '© DBMS 2022 (Group 4)| All Right Reserved', a weather widget showing '14°C Clear', and system icons for Windows, taskbar, and date/time (23:06, 23-11-2022).

## Incharge Police Officer Page

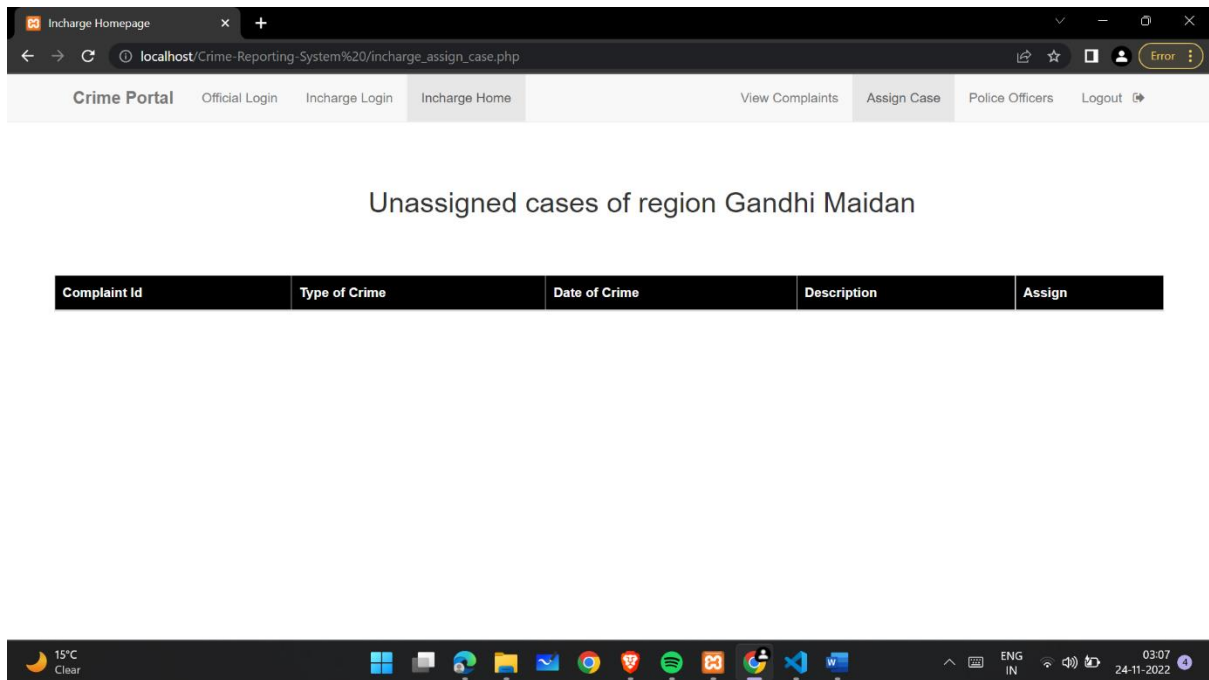


The screenshot shows a web browser window with the title 'Incharge View Police'. The address bar displays 'localhost/Crime-Reporting-System%20/incharge\_view\_police.php'. The navigation bar includes 'Crime Portal', 'Official Login', 'Incharge Login', 'Incharge Home', 'View Complaints', 'Assign Case', 'Police Officers', and 'Logout'. The main content area features an 'Add Police Officers' button. Below this is a table with the following data:

| Police Id | Police Name | Specialist | Location      |
|-----------|-------------|------------|---------------|
| p01ak     | Alok Kumar  | All        | Gandhi Maidan |
| p01sk     | Sahil Kumar | All        | Gandhi Maidan |

Below the table is a 'Police Id' input field and a 'Delete Police' button. The footer displays '© DBMS 2022 (Group 4)', a weather widget showing '14°C Clear', and system icons for Windows, taskbar, and date/time (23:06, 23-11-2022).

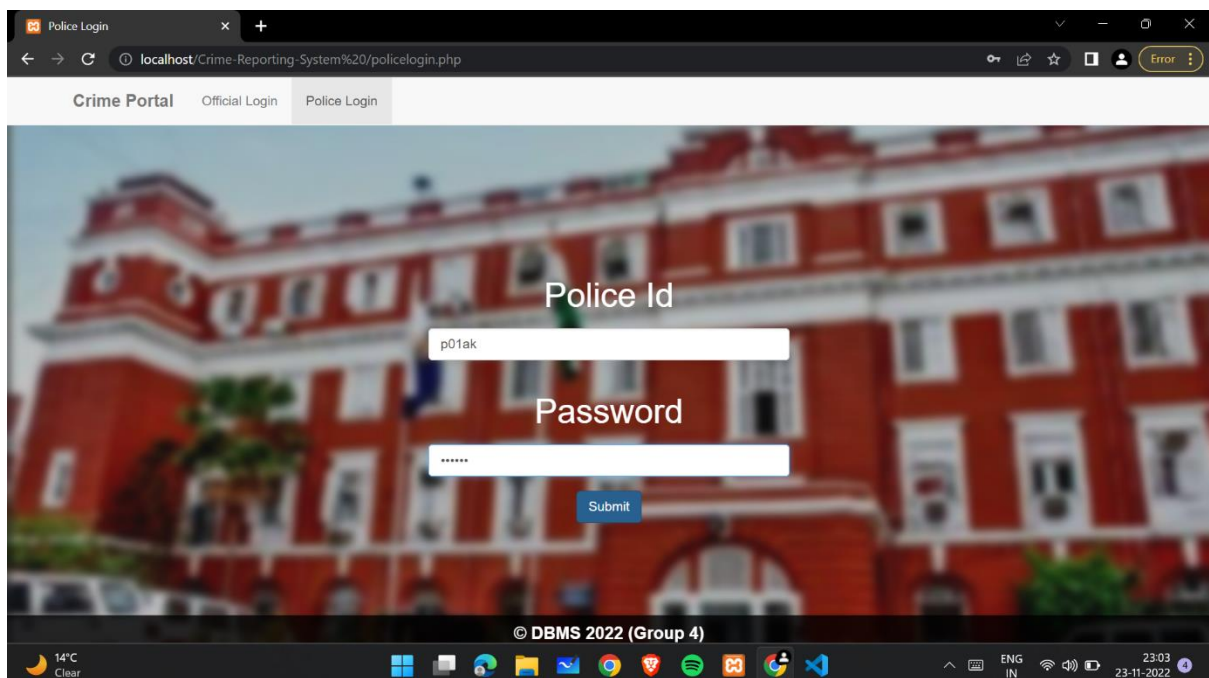
## Incharge Assign Complain Page



The screenshot shows a web browser window with the title "Incharge Homepage". The address bar displays "localhost/Crime-Reporting-System%20/incharge\_assign\_case.php". The navigation menu includes "Crime Portal", "Official Login", "Incharge Login", "Incharge Home", "View Complaints", "Assign Case", "Police Officers", and "Logout". The main content area is titled "Unassigned cases of region Gandhi Maidan". Below this title is a table with the following columns: "Complaint Id", "Type of Crime", "Date of Crime", "Description", and "Assign". The table is currently empty. The Windows taskbar at the bottom shows the date and time as 03:07 on 24-11-2022.

| Complaint Id | Type of Crime | Date of Crime | Description | Assign |
|--------------|---------------|---------------|-------------|--------|
|--------------|---------------|---------------|-------------|--------|

## Police Login Page



The screenshot shows a web browser window with the title "Police Login". The address bar displays "localhost/Crime-Reporting-System%20/policelogin.php". The navigation menu includes "Crime Portal", "Official Login", and "Police Login". The main content area features a login form with a background image of a red building. The form includes labels for "Police Id" and "Password", input fields for "p01ak" and "\*\*\*\*\*", and a "Submit" button. The Windows taskbar at the bottom shows the date and time as 23:03 on 23-11-2022.

Police Id

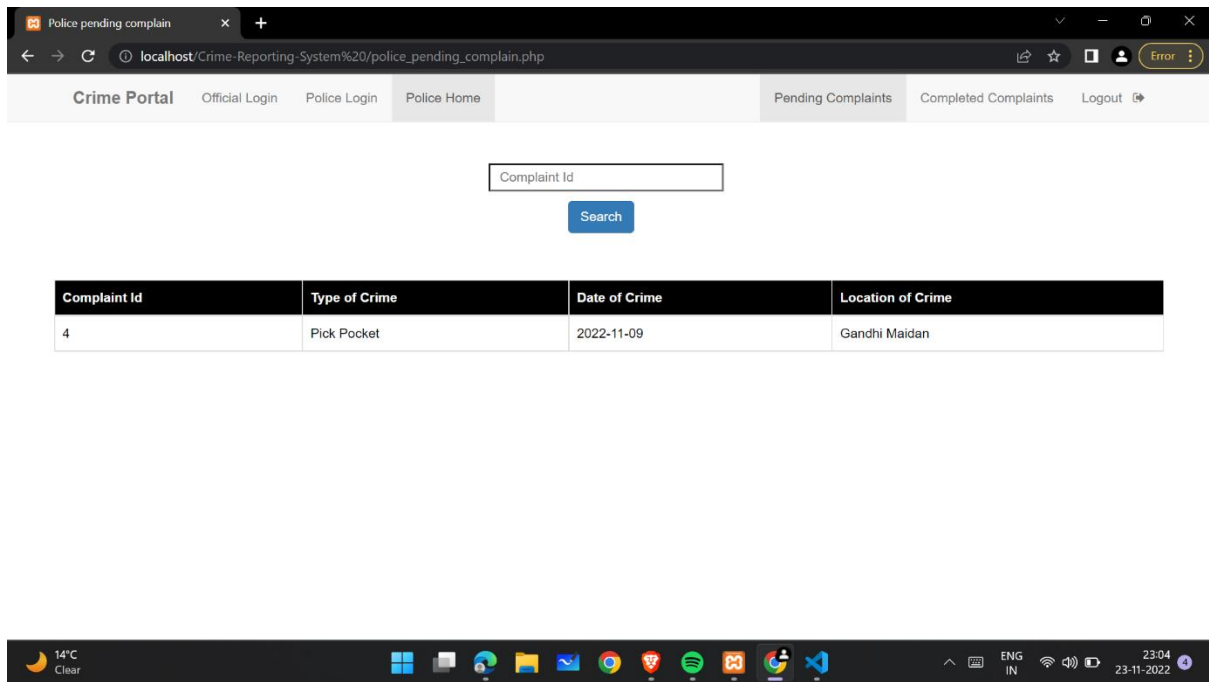
p01ak

Password

\*\*\*\*\*

Submit

# Police Complain Detail Page

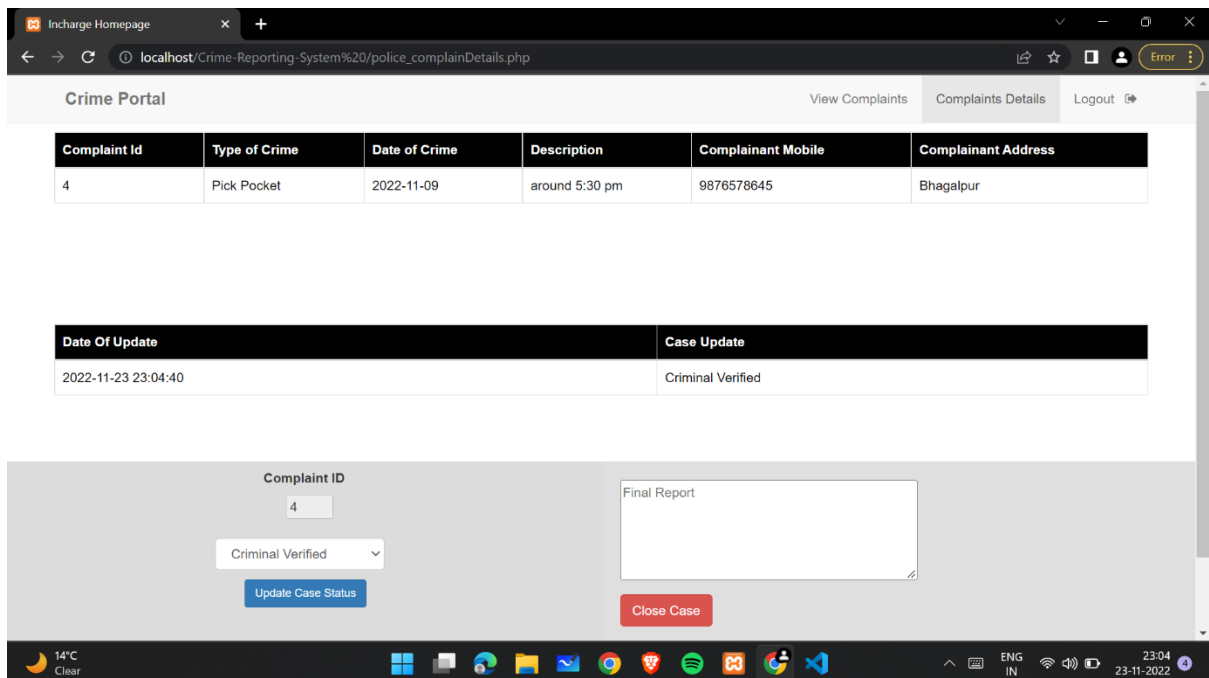


The screenshot shows a web browser window with the title "Police pending complain". The address bar shows the URL "localhost/Crime-Reporting-System%20/police\_pending\_complain.php". The page has a navigation bar with links: "Crime Portal", "Official Login", "Police Login", "Police Home", "Pending Complaints", "Completed Complaints", and "Logout". Below the navigation bar, there is a search form with a text input labeled "Complaint Id" and a "Search" button. Below the search form, there is a table with the following data:

| Complaint Id | Type of Crime | Date of Crime | Location of Crime |
|--------------|---------------|---------------|-------------------|
| 4            | Pick Pocket   | 2022-11-09    | Gandhi Maidan     |

The Windows taskbar at the bottom shows the date and time as 23:04 on 23-11-2022, and the temperature as 14°C Clear.

# Police Update Case Page



The screenshot shows a web browser window with the title "Incharge Homepage". The address bar shows the URL "localhost/Crime-Reporting-System%20/police\_complainDetails.php". The page has a navigation bar with links: "Crime Portal", "View Complaints", "Complaints Details", and "Logout". Below the navigation bar, there is a table with the following data:

| Complaint Id | Type of Crime | Date of Crime | Description    | Complainant Mobile | Complainant Address |
|--------------|---------------|---------------|----------------|--------------------|---------------------|
| 4            | Pick Pocket   | 2022-11-09    | around 5:30 pm | 9876578645         | Bhagalpur           |

Below the table, there is a form with the following fields:

- Date Of Update**: 2022-11-23 23:04:40
- Case Update**: Criminal Verified

Below the form, there is a section with the following fields:

- Complaint ID**: 4
- Criminal Verified**: A dropdown menu with "Criminal Verified" selected.
- Update Case Status**: A blue button.
- Final Report**: A text area.
- Close Case**: A red button.

The Windows taskbar at the bottom shows the date and time as 23:04 on 23-11-2022, and the temperature as 14°C Clear.

## 7. Future Scope

- We can store fingerprints of criminal in database
- Security can be extended to higher level of security
- This project can be enhanced that we can search criminals by matching face and finger prints.
- We can also generate the report of all cases associated to a particular criminal.

## 8. Summary

Nowadays, technology is increasing day by day for making the work of human being easier. Day by day crimes are increasing in our society. New techniques have been used during crimes. Well, we developed this website to help the police and other officers and security appointed at different places.

They can easily find out any criminal's full description which will help them in investigating several cases much faster and easier.

**POLICE DATABASE MANAGEMENT SYSTEM** initiates the objective of providing the user with customized and powerful complaint registration and process management system side software. The software is built with all options such as complaint registration, case updation, and investing officer assignment, etc.

All the requirements specified during the analysis and design phase are fully met, thus resulting in the formation of good software. The interface provided is very user friendly and flexible for all times.



## 9. Reference

- <https://projectsinventory.com/functional-and-non-functional-requirements-of-crime-reporting-system/>
- <https://projectsinventory.com/online-crime-reporting-system-in-php/>
- <https://projectsinventory.com/use-case-diagram-of-crime-reporting-system/>
- <https://projectsinventory.com/class-diagram-of-crime-reporting-system/>