

18CSC303J
DATABASE MANAGEMENT SYSTEMS
PROJECT REPORT
SEMESTER VI

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CRIME MANAGEMENT SYSTEM



**DEPARTMENT OF NETWORKING AND
COMMUNICATIONS**

COLLEGE OF ENGINEERING AND TECHNOLOGY
SRM INSTITUTE OF SCIENCE AND
TECHNOLOGY
(Under SECTION 3 of the UGC Act, 1956)
S.R.M NAGAR, KATTANKULATHUR – 603203
CHENGALPATTU DISTRICT

PROJECT TITLE

CRIME RECORD MANAGEMENT SYSTEM

ABSTRACT

The purpose of the Crime Records Management System is to mechanize the existing manual system with computerized equipment and developed computer software, fulfilling the necessities of all policemen. Their valuable data/information can be stock up for a more extended period with easy access to the same. The required software and hardware are readily available and easy to work with.

This framework likewise keeps up electronic records of all the FIR documented against crime. The principle point of this venture is to tell every single police officer about the arrival of any lawbreaker, including his/her subtleties, for example, criminal's id, name, sort of discharge, etc. Furthermore, it likewise gives the subtleties of any new principle that has been presented or any occasion that is going to occur. It tends to be utilized as an application by the police division to deal with the records of various exercises identified with the First Information Report. In this framework every one of these exercises (like enlistment of the objection, refreshing data) is dealt with that spares time. This application is for the police headquarters that give offices to revealing violations, documenting FIR, and keeping up detainee records. It gives better forthcoming to the improvement of association concerning quality and straightforwardness.

The proposed framework can be utilized in police headquarters over a city where warnings are sent to the police when the criminal is discharged. The point is to slice through the chaos and the remaining burden by advancing the current framework. It advises every workforce with the application on his android telephone, about the arrival of a guilty party, including different subtleties

It kills the current issue where the branch of police of various zone of ward stays ignorant of the arrival of the crook and his/her additional subtleties by making a warning each time there is an arrival of a lawbreaker. This methodology can, in this manner, decrease the exertion of the police and spare their time, which might be utilized profitably.

OBJECTIVE OF THE PROJECT

To create the frontend and backend of a crime management system that fulfills the requirements of both the civilians and the police. The project has been planned to be having a centralized storage of database, which can be accessed using a web application by both civilians and police officers. The civilians have access to lodging complaints and viewing the status via a unique complaint id, and the police can view the complaints, make notes, set priority, dismiss the complaint or move it forward, etc.

INTRODUCTION

The Crime Management System project has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this current system. Moreover, this system is designed for the particular need of the police to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. No formal knowledge is needed for the user to use this system. It is a userfriendly online Crime Reporting System and as described above is error free, secure, reliable and a fast management system.

It also benefits the police as it will assist them to concentrate on their other activities rather than to concentrate on record keeping. Thus, it will help the organization in better utilization of resources.

The end goal of our project is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software so that the valuable information can be stored for a longer period with easy accessing and manipulation of the same.

SOFTWARE AND HARDWARE REQUIREMENTS

The frontend is created using HTML5 and CSS3, the backend database is in MYSQL (PhpMyAdmin). The server-side scripting is done using PHP and the web server is hosted on Xampp (Apache)

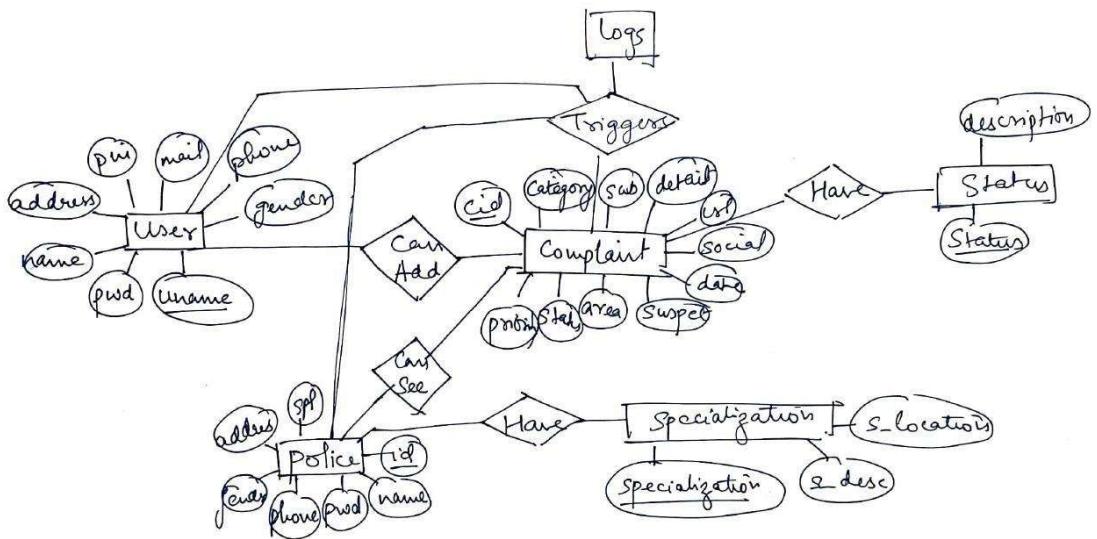
Bearing these things in mind, the software and hardware requirements are as follows:

Hardware Requirements:

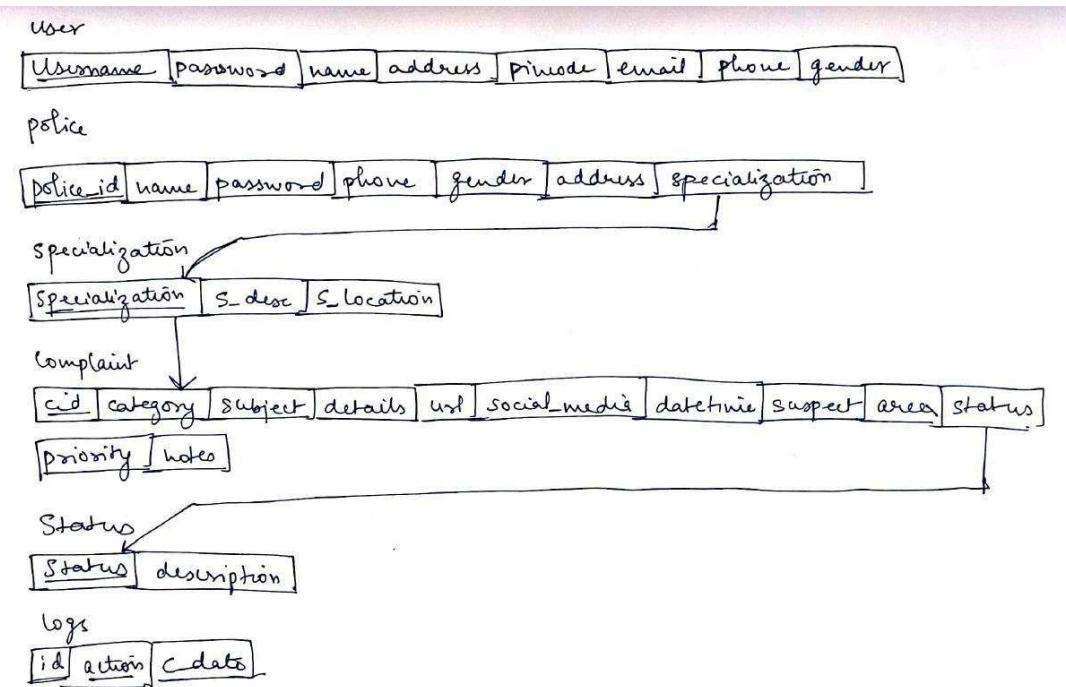
- PIV 2.8GHz Processor and above
 - RAM 512MB and above
 - HDD 20GB Hard disk space and above
- Software Requirements:
- Windows OS (XP / 2000 / 200 Server / 2003 Server)
 - Visual Studio .Net 2005 Enterprise Edition
 - Internet Information Server 5.0 (IIS)

DATABASE DESIGN

ER-DIAGRAM



SCHEMA



DBMS CONCEPTS MAPPED IN PROJECT

The project uses traditional SQL commands like select, insert and modify to manipulate the tables and providing data.

One concept used is Triggers. Trigger is a database object which fires when an event occurs in a database. We can execute a SQL query that will ‘do something’ in a database when a change occurs. In our project, whenever data is inserted or modified

in the Users table, Police table or the Complaint table, an SQL trigger is activated that modifies the log table, inserting a row that specifies what has been done and on which table.

FRONTEND AND BACKEND TECHNOLOGIES

As mentioned under the requirements heading, the frontend is created using HTML5 and CSS3, the backend database is in MYSQL (PhpMyAdmin). The server-side scripting is done using PHP and the web server is hosted on Xampp (Apache)

NORMALIZATION LEVEL

Database normalization is the process of structuring a database, usually a relational database, in accordance with a series of so-called normal forms in order to reduce data redundancy and improve data integrity.

Our database entities and their appropriate normalization forms are given below:

- User – 4NF
- Police – 4NF
- Complaint – 4NF
- Status – 5NF
- Specialization – 5NF

Modules and Description of Crime Record Management System Project:

Crime Module:

The main aim of this module is provide all the functionality related to crime. This Crime module is an important module in this project Crime Record Management System Project in dbms which has been developed on MySQL.

Features of Crime Module:

- Admin can add new crime
- Admin can see the list of crime details
- Only admin can edit and update the record of the crime
- Admin will be able to delete the records of the crime
- All crime forms are validated on client side.

Criminal Module:

The main aim of this module is to provide all the functionality related to criminals It tracks all the information and details of the criminal We have developed all type of

CRUD (Create Read update and delete) operations of the criminals. This is a role-based module where admin can perform each and every operation on data but the criminal will be able to view only her data access level restrictions been implemented on the project

Features of Criminal Module:

- Admin can add new criminals records
- Admin can see the list of criminals details
- Only admin can edit and update the record of the criminals
- Admin will be able to delete the records of the criminals
- All criminals forms are validated on client side
- criminal will be able to see his details
- criminal will be able to update his details

Functionality performed by admin user:

These are the functionality performed by the admin users.

- Login For Admin
- Forgot password for Admin
- Edit Profile For Admin
- Manage Crime
- Adding New Crime
- View Profile of the Crime
- Listing of all Crime
- Manage Criminal
- Manage System User
 - Edit the Existing Crime
 - Adding New System User
 - Edit the Existing System User
 - View Profile of the System User
 - Listing of all System User
 - Reports of the project Crime Record Management System
 - Report of all Crimes
 - Report of all Criminals
 - Report of all System Users

Static Pages and other sections:

These static pages will be available in project Crime Record Management System

- Home Page with good UI
- Home Page will contain an animated slider for images banner

- About us page will be available which will describe about the project

Contact us page will be available in the project

Technology Used in the project Crime Record Management System

We have developed this project using the below technology

- HTML Page layout has been designed in HTML
- CSS: CSS has been used for all the designining part
- JavaScript: All the validation task and animations has been developed by JavaScript
- MySQL MySQL database has been used as database for the project.
- Tomcat: Project will be run over the Tomcat server

Supported Operating System

We can configure this project on following operating system.

- Windows: This project can easily be configured on windows operating system. For running this project on Windows system, you will have to install Tomcat 7, JDK 7, MySQL 5.
- Linux: We can run this project also on all versions of Linux operating system
- Mac: We can also easily configure this project on Mac operating system.

SAMPLE CODE

HTML HOME PAGE

```
<!DOCTYPE html>
<html>
    <head>
        <title>Cyber Crime Records Management System</title>
        <meta charset="UTF-8">
            <meta name="viewport" content="width=device-width,
initialscale=1.0">
                <style>
*{
    padding: 0px;
margin: 0px;
```



```
        }

    .nav{
background: black;
color: white;           height:
70px;                  font-family:
sans-serif;
display: flex;
flex-wrap:wrap;
align-items: center;
}

.nav-title{
width: 30%;
background: red;
padding: 16px 40px;
text-align: center;

}

.nav-menu{
width: 70%;
}

.nav-menu ul{
display: flex;
justify-content: flex-end;
}

.nav-menu ul li{
padding: 10px 20px;
color: #ccc;
font-size: 20px;
list-style-type: none;
cursor: pointer;
}

.nav-menu ul li:hover{
color: #fff;           font-weight:
bold;
}

/*style for responsive menu*/
@media screen and (max-width:1000px){

box-sizing: border-box;
```

```
        }
    .nav .nav-title{
text-align: left;           width:
100%;}
}

.nav .nav-menu{
width: 100%;}
}           .nav .nav-menu ul{
justify-content: space-around;
}

.nav .nav-menu ul li{
width: 20%; padding: 10px 0px; text-align: center; font-size: 16px;
}
}

.nav-fix {
position: fixed; td {
padding-right:100px;
}
</style>
</head>
<body>
<div class="nav-fix">
<div style="background-color: black;">
<h1 style="margin-left:50px;font-size: 50px; color:whiteSmoke; font:bold;">CYBER      CRIME      RECORDS      MANAGEMENT SYSTEM</h1>
</div>
<div class="nav">
<div class="nav-title">
<h1><a href="loginsel ect.html" style="textdecoration:none; color:white;">Login</a></h1>
</div>

<div class="nav-menu">
<ul>
<li><a href="mainpage.html#one" style="textdecoration:none; color:white;">Home</a></li>
height: auto;
```



```
</tr>
<tr>
    <td rowspan="2"></td>
        <td style="text-align: center; color: #228B22; font: bold;"><h2>CREDIT CARD FRAUD</h2></td>
    </tr>
    <tr>
        <td><p>Credit card fraud is a wide-ranging term for theft and fraud committed using or involving a payment card, such as a credit card or debit card, as a fraudulent source of funds in a transaction. The purpose may be to obtain goods without paying, or to obtain unauthorized funds from an account. Credit card fraud is also an adjunct to identity theft. According to the United States Federal Trade Commission, while the rate of identity theft had been holding steady during the mid 2000s, it increased by 21 percent in 2008. However, credit card fraud, that crime which most people associate with ID theft, decreased as a percentage of all ID theft complaints for the sixth year in a row.<br><br><ul><li>BIN Attack: Credit cards are produced in BIN ranges. Where an issuer does not use random generation of the card number, it is possible for an attacker to obtain one good card number and generate valid card numbers by changing the last four numbers using a generator.</li><li>Account Takeover: An account takeover occurs when a criminal poses as a genuine customer, gains control of an account and then makes unauthorized transactions.</li></ul></p></td>
    </tr>
    <tr>
        <td></td>
        <td></td>
    </tr>
    <tr>
        <td style="text-align: center; color: #228B22; font: bold;"><h2>CYBER STALKING AND BULLYING</h2></td>
        <td rowspan="2"></td>
    </tr>
    <tr>
```

<td><p>Cyberstalking is the use of the Internet or other electronic means to stalk or harass an individual, group, or organization. It may include false accusations, defamation, slander and libel. It may also include monitoring, identity theft, threats, vandalism, solicitation for sex, or gathering information that may be used to threaten, embarrass or harass.

Cyberstalking is a criminal offense under various state anti-stalking, slander and harassment laws. A conviction can result in a restraining order, probation, or criminal penalties against the assailant, including jail.</p></td>

</tr>

<tr>
 <td></td>
 <td></td>
 </tr>
 <tr>
 <td rowspan="2"></td>
 <td style="text-align: center; color: #228B22; font: bold;"><h2>PHISHING</h2></td>
 </tr>
 <tr>
 <td><p>Phishing is a cybercrime in which a target or targets are contacted by email, telephone or text message by someone posing as a legitimate institution to lure individuals into providing sensitive data such as personally identifiable information, banking and credit card details, and passwords.

Spear phishing: Phishing attempts directed at specific individuals or companies have been termed spear phishing. Attackers may gather personal information about their target to increase their probability of success.Clone phishing: Clone phishing is a type of phishing attack whereby a legitimate, and previously delivered, email containing an attachment or link has had its content and recipient address(es) taken and used to create an almost identical or cloned email.Phone phishing: Not all phishing attacks require a fake website. Messages that claimed to be from a bank told users to dial a phone number regarding problems with their bank accounts.</p></td>
 </tr>
 <tr><td></td><td></td></td></tr><tr><td></td><td></td></td></tr><tr><td></td><td></td></td></tr>

</table>

</div>

</div>

</section>

<section id="three">

 <div>
 <div>
 <div>

 <h3 style="text-align: center; font: bold 25px/30px Georgia, serif;">IMPORTANT LINKS</h3>
 </div>
 </div>
 </div>

```
        </div>
    </div><br><br>
<div>
    <table style="border-spacing: 15px;">
        <tr>
            <td style="text-align: center; font: bold;

```

```
color: #228B22;"><h1>MUMBAI POLICE</h1></td>
                                         <td style="text-align: center; font: bold; color: #228B22;"><h1>BENGALURU POLICE</h1></td>
                                         <td style="text-align: center; font: bold; color: #228B22;"><h1>DELHI POLICE</h1></td>
                                     </tr>
                                     <tr>
                                         <td style="text-align: center;"><a href="https://mumbaipolice.maharashtra.gov.in/" target="_blank" style="textdecoration:none;">https://mumbaipolice.maharashtra.gov.in</a></td>
                                         <td style="text-align: center;"><a href="https://www.karnataka.com/govt/online-fir-bangalore-and-e-lostreport-app/" target="_blank" style="textdecoration:none;">https://www.karnataka.com</a></td>
                                         <td style="text-align: center;"><a href="http://www.delhipolice.nic.in/" target="_blank" style="textdecoration:none;">http://www.delhipolice.nic.in</a></td>
                                     </tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr>
                                     <tr>
                                         <td style="text-align: center; font: bold; color: #228B22;"><h1>MINISTRY OF HOME AFFAIRS</h1></td>
                                         <td style="text-align: center; font: bold; color: #228B22;"><h1>NATIONAL INFORMATICS CENTRE</h1></td>
                                         <td style="text-align: center; font: bold; color: #228B22;"><h1>CENTRAL BUREAU OF
INVESTIGATION</h1></td>
                                     </tr>
                                     <tr>
                                         <td style="text-align: center;"><a href="https://mha.gov.in/" target="_blank" style="textdecoration:none;">https://mha.gov.in</a></td>
                                         <td style="text-align: center;"><a href="https://www.nic.in/" target="_blank" style="textdecoration:none;">https://www.nic.in</a></td>
                                         <td style="text-align: center;"><a href="http://cbi.gov.in/" target="_blank" style="textdecoration:none;">http://cbi.gov.in</a></td>
                                     </tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr>
                                     <tr>
                                         <td style="text-align: center; font: bold; color: #228B22;"><h1>CENTRAL ECONOMIC INTELLIGENCE BUREAU</h1></td>
                                         <td style="text-align: center; font: bold;">
                                         <td style="text-align: center; font: bold;
                                         
```



```
color: #228B22;"><h1>NATIONAL CRIME RECORDS BUREAU</h1></td>
<td style="text-align: center; font: bold; color:
#228B22;"><h1>SECURITY SITE INFO TECH
INDIA</h1></td>
</tr>
<tr>
    <td style="text-align: center;"><a
href="https://www.nic.in/ceib" target="_blank"
style="textdecoration:none;">https://www.nic.in/ceib</a></td>
        <td style="text-align: center;"><a
href="https://www.ncrbindia.org/" target="_blank"
style="textdecoration:none;">https://www.ncrbindia.org/</a></td>
<td style="text-align: center;"><a
href="https://www.itsecurity.gov.in/" target="_blank"
style="textdecoration:none;">https://www.itsecurity.gov.in/</a></td>
>
    </tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr>
    </table>
</div>
</div>
</section>
<section id="four">
    <div>
        <div><br><br>
            <h3 style="text-align: center; font: bold 25px/30px
Georgia, serif;">GENERAL TIPS</h3>
        </div>
    </div>
    <div>
        <table style="border-spacing: 15px;">
            <tr>
                <td style="text-align: center; font:
bold;"><h1>1</h1></td>
                <td style="text-align: center; font:
bold;"><h1>2</h1></td>
            </tr>
            <tr>
                <td style="text-align: center; color:
#228B22;"><h2>Preventing credit/debit card fraud</h2></td>
                <td style="text-align: center; color:
#228B22;"><h2>Choose strong passwords and keep them safe.</h2></td>
            </tr>
            <tr bgcolor="#D3D3D3">
                <td style="text-align: center;"><p>In today's
information age, your credit card information is pretty much always at
```

risk for theft. Fortunately, you can try to avoid credit card fraud by keeping your credit card information extra safe. Always be on guard for scammers who may try to trick you into giving up your credit card details.</p></td>

Keep your passwords in a safe place and try not to use the same password for every service you use online.

Change passwords on a regular basis, at least every 90 days.</p></td>

<tr>	<td></td>	<td></td>
</tr>		
<tr>	<td style="text-align: center; font: bold;"><h1>3</h1></td>	<td style="text-align: center; font: bold;"><h1>4</h1></td>
</tr>		
<tr>	<td style="text-align: center; color: #228B22;"><h2>Protect your computer with security software.</h2></td>	<td style="text-align: center; color: #228B22;"><h2>Protect your personal information.</h2></td>
</tr>		
<tr bgcolor="#D3D3D3">	<td style="text-align: center;"><p>Several types of security software are necessary for basic online security. Security software essentials include firewall and antivirus programs. A firewall is usually your computer's first line of defense-it controls who and what can communicate with your computer online.</p></td>	
</tr>		
<tr>	<td></td>	<td></td>
</tr>		
<tr>	<td style="text-align: center; font: bold;"><h1>5</h1></td>	<td style="text-align: center; font: bold;"><h1>6</h1></td>
</tr>		

```

        </tr>
        <tr>
            <td style="text-align: center; color: #228B22;"><h2>Avoid being scammed</h2></td>
            <td style="text-align: center; color: #228B22;"><h2>Secure mobile devices</h2></td>
        </tr>
        <tr bgcolor="#D3D3D3">
            <td style="text-align: center;"><p>Always think before you click on a link or file of unknown origin. Don't feel pressured by any emails. Check the source of the message. When in doubt, verify the source. Never reply to emails that ask you to verify your information or confirm your user ID or password.</p></td>
            <td style="text-align: center;"><p>More often than not, we leave our mobile devices unattended. By activating the built-in security features you can avoid any access to personal details. Never store passwords, pin numbers and even your own address on any mobile device.</p></td>
        </tr>
        <tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr>
    </table>
</div>
</div>
</section>
<div class="footer" style="position: fixed; left: 0; bottom: 0; width: 100%; background-color: gray; color: white; text-align: center;">
    <p>&copy; 2022 Cyber Crime Records Management System</p>
</div>
</body>
</html>

```

HTML LOGIN PAGE

```

<!DOCTYPE html>
<html>
    <head>
        <title>Cyber Crime Records Management System</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body>

```

```

        <div style="background-color: black;">                               <h1
style="margin-left:50px;font-size: 50px;
color:whiteSmoke;font:bold;">CYBER CRIME RECORDS MANAGEMENT
SYSTEM</h1>
        </div>
        <div>
            <h3 style="margin-left:490px;font:bold;font-size:45px;">
Select Your Login </h3>
        </div>
        <div>
            <h2><a href="userloginregister.php">Civilian</a></h2><br>
            <h2><a href="policeloginregister.php">Cyber Crime
Bureau</a></h2>
        </div>
        <div class="footer" style="position: fixed; left: 0; bottom: 0;
width: 100%; background-color: gray; color: white; text-align:
center;">
            <p>&copy; 2022&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp Cyber Crime Records
Management System</p>
        </div>
    </body>
</html>

```

SQL DATABASE

```

-- phpMyAdmin SQL Dump
-- version 4.8.3
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Dec 04, 2019 at 05:22 PM
-- Server version: 10.1.36-MariaDB
-- PHP Version: 7.2.11

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: `cybercrimedatabase`  
--  
  
DELIMITER $$  
--
```

```
-- Procedures
-- 
CREATE DEFINER=`root`@`localhost` PROCEDURE `getOpenComplaints`()
    SELECT * FROM complaint WHERE status IN ('NEW', 'INPROGRESS', 'VERIFICATION') ORDER BY datetime$$
DELIMITER ;

-- -----
-- 

-- Table structure for table `complaint`
-- 

CREATE TABLE `complaint` (
    `c_id` varchar(10) NOT NULL,
    `category` varchar(36) NOT NULL,
    `subject` varchar(100) NOT NULL,
    `details` varchar(500) NOT NULL,
    `url` varchar(100) NOT NULL,
    `social_media` varchar(40) NOT NULL,
    `datetime` date NOT NULL,
    `suspect` varchar(100) NOT NULL,
    `area` varchar(50) NOT NULL,
    `status` varchar(20) NOT NULL DEFAULT 'NEW',
    `priority` varchar(20) NOT NULL DEFAULT 'MEDIUM',
    `bureau_notes` varchar(400) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

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

INSERT INTO `complaint` (`c_id`, `category`, `subject`, `details`,
`url`, `social_media`, `datetime`, `suspect`, `area`, `status`,
`priority`, `bureau_notes`) VALUES
('C006', 'E-Commerce Scam', 'Amazon Refund', 'Refund is not processed
but website says it is processed.', 'www.amazon.in', '', '2021-12-23',
```

```

'Identity theft', 'Nasik', 'NEW', '', ''), ('C118', 'Identity Theft',
'My username/password stolen for bank', 'I have seen an unauthorized
login in my Citibank online account.',

'www.citibank.co.in', '', '2021-11-23', 'Chinese hackers', 'Mysore',
'CLOSED', 'HIGH', 'Getting in touch with the bank Citibank.'), ('C246',
'Bank Account Fraud', 'credits frauds', 'someone is using my account',
'www.icic.com', 'gmail', '1999-08-21', 'michael', 'kanpur',
'INPROGRESS', 'LOW', 'checking your account details'),
('C253', 'Identity Theft', 'missuse of my picture', 'someone is using
my pictures', 'www.facebook.com', 'facebook', '2000-04-18', 'michael',
'delhi', 'VERIFICATION', 'HIGH', 'i am checking the id of the
suspect.'),

('C381', 'Bank Account Fraud', 'sbi', 'my account is hacked',
'www.sbi.com', 'facebook', '2021-12-05', 'michael', 'kanpur',
'INPROGRESS', 'MEDIUM', 'WE ARE CHECKING YOUR ACCOUNT DETAILS'),
('C764', 'Bank Account Fraud', 'dwsdwdw', 'wdw', 'www.facebook.com',
'facebook', '2021-12-07', 'sd', 'kanpur', 'NEW', '', ''),
('C853', 'Email or Phone Call Scam', 'Phone call', 'Phone call asking
for bank account details from no. 123456789', 'www.account.com', '',
'2021-11-25', '', 'Faridabad', 'INVALID', 'LOW', 'complaint not
valid'),
('C898', 'Hacking and Viruses', 'My computer is hacked', 'Got an email
from someone to download a file.', 'www.gmail.com', 'Gmail',
'2021-1124', 'Russian hackers', 'Nashik', 'INPROGRESS', 'MEDIUM',
'Checking the email.');

-- 
-- Triggers `complaint` 

-- 
DELIMITER $$ 
CREATE TRIGGER `insertLogComplaint` AFTER INSERT ON `complaint` FOR
EACH ROW INSERT INTO logs VALUES (null, "Complaint Entry Inserted",
NOW())
$$
DELIMITER ;
DELIMITER $$ 
CREATE TRIGGER `updateLogComplaint` AFTER UPDATE ON `complaint` FOR
EACH ROW INSERT INTO logs VALUES (null, "Complaint Entry Updated",
NOW())
$$
DELIMITER ;

-----
```

```
--  
-- Table structure for table `logs`  
  
--  
  
CREATE TABLE `logs` (  
    `id` int(11) NOT NULL,  
    `action` varchar(20) NOT NULL,  
    `cdate` datetime NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;  
  
--
```

```
-- Dumping data for table `logs`  
--  
  
INSERT INTO `logs` (`id`, `action`, `cdate`) VALUES  
(3, 'User Entry Inserted', '2021-11-25 13:30:49'),  
(4, 'User Entry Updated', '2021-11-25 13:31:26'),  
(5, 'Complaint Entry Upda', '2021-11-25 13:32:17'),  
(6, 'User Entry Inserted', '2021-11-25 16:27:05'),  
(7, 'User Entry Updated', '2021-11-25 16:28:47'),  
(8, 'Complaint Entry Inse', '2021-11-25 16:31:18'),  
(9, 'Police Entry Inserte', '2021-11-25 16:34:11'),  
(10, 'Complaint Entry Upda', '2021-11-25 16:37:28'),  
(11, 'Complaint Entry Upda', '2021-11-25 16:43:29'),  
(12, 'Complaint Entry Upda', '2021-11-25 16:43:37'),  
(24, 'Complaint Entry Upda', '2021-11-27 15:19:58'),  
(25, 'User Entry Inserted', '2021-11-28 15:08:07'),  
(26, 'User Entry Updated', '2021-11-28 15:08:57'),  
(27, 'Complaint Entry Inse', '2021-11-28 15:11:04'),  
(28, 'Police Entry Inserte', '2021-11-28 15:12:54'),  
(29, 'Complaint Entry Upda', '2021-11-28 15:14:50'),  
(30, 'User Entry Inserted', '2021-11-29 16:39:04'),  
(31, 'Complaint Entry Upda', '2021-11-29 16:41:42'),  
(32, 'Complaint Entry Upda', '2021-12-04 14:52:19'),  
(33, 'Complaint Entry Upda', '2021-12-04 14:52:51'),  
(34, 'User Entry Inserted', '2021-12-05 15:45:00'),  
(35, 'Complaint Entry Inse', '2021-12-05 15:48:32'),  
(36, 'Complaint Entry Inse', '2021-12-05 15:49:27'),  
(37, 'Police Entry Inserte', '2021-12-05 15:50:52'),  
(38, 'Complaint Entry Upda', '2021-12-05 15:52:06'),  
(39, 'Police Entry Updated', '2020-11-11 23:01:32'),  
(40, 'Police Entry Updated', '2020-11-11 23:03:24');
```

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

```
CREATE TABLE `police` (  
  `police_id` varchar(8) NOT NULL,
```

```

`name` varchar(36) NOT NULL,
`password` varchar(36) NOT NULL,
`phone` varchar(14) NOT NULL,
`gender` varchar(10) NOT NULL,
`address` varchar(100) NOT NULL,
`specialization` varchar(36) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

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

INSERT INTO `police` (`police_id`, `name`, `password`, `phone`,
`gender`, `address`, `specialization`) VALUES
('alex', 'alex', '1234', '1111', 'female', 'london', 'Cyberbullying'),
('amit', 'amit', '1234', '9971531', 'male', 'Nagpur', 'Hacking and
Viruses'),
('ashwini', 'ashwini', '1234', '123456789', 'female', 'hyderabad',
'Email or Phone Call Scam'),
('MOHIT', 'MOHIT', '1234', '123456789', 'male', 'nashik', 'Bank Account
Fraud'),
('sachin', 'sachin', '1234', '1234567', 'male', 'Mumbai', 'Social Media
Crime'),
('shinde', 'shinde', '1234', '88079719', 'female', 'Chandigarh',
'Identity Theft'),
('shivam', 'shivam', '1234', '123456789', 'male', 'up', 'Bank Account
Fraud');

-- 
-- Triggers `police`
-- 

DELIMITER $$ 
CREATE TRIGGER `insertLogPolice` AFTER INSERT ON `police` FOR EACH ROW
INSERT INTO logs VALUES (null, "Police Entry Inserted", NOW())
$$
DELIMITER ;
DELIMITER $$ 
CREATE TRIGGER `updateLogPolice` AFTER UPDATE ON `police` FOR EACH ROW
INSERT INTO logs VALUES (null, "Police Entry Updated", NOW()) $$ 
DELIMITER ;

-- -----
-- 

-- Table structure for table `specializations`


-- 

```

```

CREATE TABLE `specializations` (
  `specialization` varchar(40) NOT NULL,
  `s_desc` varchar(200) NOT NULL,
  `s_location` varchar(40) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-- 
-- Dumping data for table `specializations`
-- 

INSERT INTO `specializations` (`specialization`, `s_desc`, `s_location`) VALUES
('Bank Account Fraud', 'Bank account fraud has occurred if transactions you haven\'t made show up on your bank statement.', 'Mumbai'),
('Child Pornography', 'Child pornography is pornography that exploits children for sexual stimulation.', 'Chennai'),
('Cyberbullying', 'Cyberbullying is when someone, typically teens, bully or harass others on social media sites.', 'Bengaluru'),
('E-Commerce Scam', 'E-Commerce fraud includes credit card, refund, merchant, authenticity and friendly fraud.', 'Kolkata'),
('Email or Phone Call Scam', 'A fraud company or person emails or calls up a victim to get personal or bank information for financial benefits.', 'Pune'),
('Hacking and Viruses', 'Computer hacking involves violation on the privacy of others by invading their network security and causing damage to the software.', 'Jaipur'),
('Identity Theft', 'Identity theft is the deliberate use of someone else identity, usually as a method to gain a financial advantage or obtain credit and other benefits in the other persons name.', 'Hyderabad'),
('Social Media Crime', 'Crime that happens on social media platforms such as facebook, twitter to send offensive messages, videos or pictures.', 'Delhi');

-- 
-- Table structure for table `status`
-- 

CREATE TABLE `status` (
  `status` varchar(20) NOT NULL,
  `description` varchar(100) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```
-- Dumping data for table `status`
--


INSERT INTO `status` (`status`, `description`) VALUES
('CLOSED', 'Complaint has been closed with appropriate details.'),
('INPROGRESS', 'Complaint has been assigned to someone and is in progress.'),
('INVALID', 'Complaint does not comply with the minimum cyber crime standards.'),
('NEW', 'New complaint raised and is yet to be processed.'),
('VERIFICATION', 'Complaint has been solved but yet to be closed and is in scrutinization.');


-----


-- Table structure for table `user`


CREATE TABLE `user` (
  `username` varchar(36) NOT NULL,
  `password` varchar(36) NOT NULL,
  `name` varchar(36) NOT NULL,
  `address` varchar(100) NOT NULL,
  `pincode` varchar(8) NOT NULL,
  `email` varchar(36) NOT NULL,
  `phone` varchar(14) DEFAULT NULL,
  `gender` varchar(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-- Dumping data for table `user`


INSERT INTO `user` (`username`, `password`, `name`, `address`,
`pincode`, `email`, `phone`, `gender`) VALUES
('akhil', '1234', 'akhil', 'pune', '560089', 'akhil@gmail.com',
'123456789', 'male'),
('david', '1234', 'David', 'Bhopal', '123456', 'david@outlook.com',
'123456787', 'male'),
('hemd', '1234', 'hemd', 'mumbai', '422221', 'hemd@gmail.com', '44444',
'female'),
('michael', '1234', 'michael', 'Indore', '456789',
'michael1234@gmail.com', '99715', 'male'),
('schmidt', '1234', 'schmidt', 'kolkata', '123456', 'sk@gmail.com',
'123456789', 'male'),
```

```
('muller', '1234', 'muller', 'bangalore', '560048', 'sb@gmail.com',
'1234', 'Male'),
('sid', '1234', 'sid', 'chennai', '560048', 'sid1234@gmail.com',
'123456781', 'male');

-- Triggers `user`
--

DELIMITER $$
CREATE TRIGGER `insertLogUser` AFTER INSERT ON `user` FOR EACH ROW
INSERT INTO logs VALUES (null,"User Entry Inserted", NOW())
$$
DELIMITER ;
DELIMITER $$
CREATE TRIGGER `updateLogUser` AFTER UPDATE ON `user` FOR EACH ROW
INSERT INTO logs VALUES (null, "User Entry Updated", NOW())
$$
DELIMITER ;

-- Indexes for dumped tables
--

-- Indexes for table `complaint`
--

ALTER TABLE `complaint`
  ADD PRIMARY KEY (`c_id`);

-- Indexes for table `logs`
--
ALTER TABLE `logs`
  ADD PRIMARY KEY (`id`);

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

-- Indexes for table `specializations`
--
ALTER TABLE `specializations`
  ADD PRIMARY KEY (`specialization`);
```

```

-- 
-- Indexes for table `status` 
-- 

ALTER TABLE `status` 
    ADD PRIMARY KEY (`status`); 

-- 
-- Indexes for table `user` 
-- 

ALTER TABLE `user` 
    ADD PRIMARY KEY (`username`); 

-- 
-- AUTO_INCREMENT for dumped tables 
-- 

-- 
-- AUTO_INCREMENT for table `logs` 
-- 

ALTER TABLE `logs` 
    MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=41; 
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 */;

```

SCREENSHOT OF THE PROJECT



The screenshot shows the homepage of the "CYBER CRIME RECORDS MANAGEMENT SYSTEM". The header features the system's name in large white letters on a black background. Below the header is a red navigation bar with the word "Login" in white. To the right of the login button are links for "Home", "Online Awareness", "Links", and "General Tips". The main content area has a white background. At the top of this area, the text "ONLINE AWARENESS" is centered. Below it, there is a section titled "HACKING" with a sub-section titled "HACKING". It contains a brief definition of hacking and a bulleted list of techniques. To the right of this text is a cartoon illustration of a person wearing a hooded sweatshirt and a mask, sitting at a computer. Further down the page, there is another section titled "CREDIT CARD FRAUD" with a sub-section titled "CREDIT CARD FRAUD". It includes a small image of a credit card with a chain wrapped around it, and a detailed paragraph about credit card fraud.

CYBER CRIME RECORDS MANAGEMENT SYSTEM

Select Your Login

[Civilian](#)

[Cyber Crime Bureau](#)

CYBER CRIME RECORDS MANAGEMENT SYSTEM

[Back](#)

LOGIN	
Username:	<input type="text" value="Enter Your User Name"/>
Password:	<input type="password" value="Enter Your Password"/>
<input type="button" value="Submit"/>	New User? Register here!!!

CYBER CRIME RECORDS MANAGEMENT SYSTEM

[Back](#)

LOGIN	
Username-Police ID:	<input type="text" value="Enter Your User Name"/>
Password:	<input type="password" value="Enter Your Password"/>
<input type="button" value="Submit"/>	New Bureau Member? Register here!!!

CYBER CRIME RECORDS MANAGEMENT SYSTEM

View and Update My Details

Username:	akhil
Name:	akhil
Gender:	male
Address:	pune *
Pincode:	560089 *
Email ID:	akhil@gmail.com *
Phone No:	123456789
<input type="button" value="Update"/>	<input type="button" value="Back"/>

CYBER CRIME RECORDS MANAGEMENT SYSTEM

New Complaint Form

Category:	Please Select *
Subject:	*
Details:	*
Website URL:	*
Social Media:	
Suspect Details:	*
Date:	dd-mm-yyyy *
Area:	*
<input type="button" value="Submit"/>	<input type="button" value="Back"/>

CYBER CRIME RECORDS MANAGEMENT SYSTEM

Complaint Status

Enter Complaint Id:	Format of ID: CXXX
<input type="button" value="Submit"/>	<input type="button" value="Back"/>
Please find the status of the given Complaint ID below	

Complaint ID	Category	Category Description	Bureau Location	Subject	Details	URL	Date	Crime Location	Status	Status Description	Priority	Bureau Notes
C006	E-Commerce Scam	E-Commerce fraud includes credit card, refund, merchant, authenticity and friendly fraud.	Kolkata	Amazon Refund	Refund is not processed but website says it is processed.	www.amazon.in	2018-12-23	Nasik	NEW	New complaint raised and is yet to be processed.		

CYBER CRIME RECORDS MANAGEMENT SYSTEM

New Complaint Form

Category:	Please Select
Subject:	Online Harrassment
Details:	Online players harrass me because they are noob and blame me
Website/URL:	www.valorant.com
Social Media:	twitch
Suspect Details:	Online userid Ultra_noobbbbs
Date:	21-04-2022
Area:	Chennai
<input type="button" value="Back"/> <input type="button" value="Submit"/> <small>Complaint submitted successfully. Complaint ID is C799 (Please take a note of it)</small> <small>Click on BACK button to Check Status.</small>	

CYBER CRIME RECORDS MANAGEMENT SYSTEM

[Back](#)

All Open Complaints

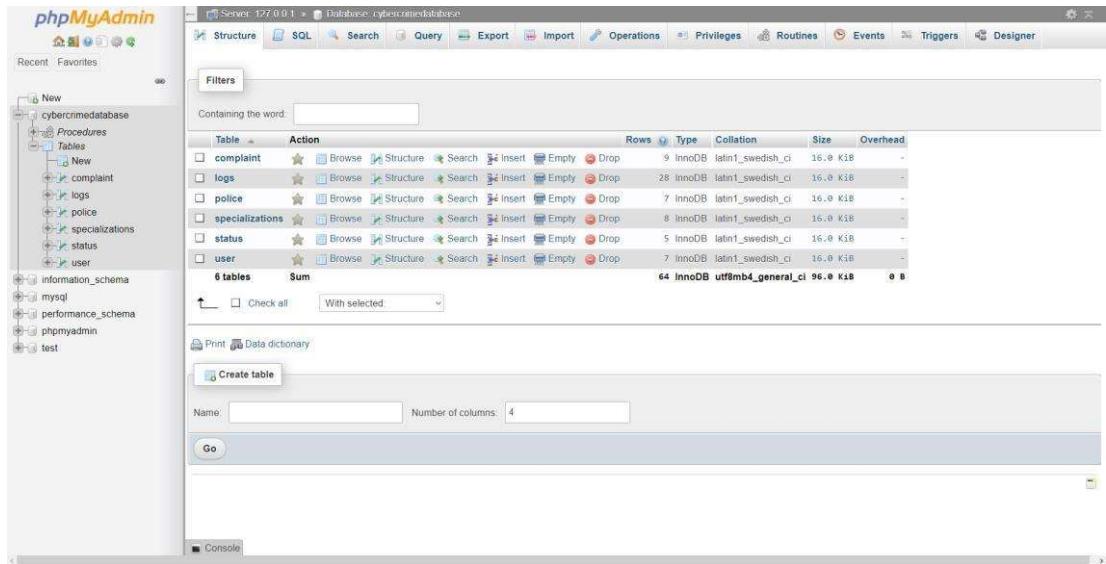
Complaint ID	Category	Category Description	Bureau Location	Subject	Details	URL	Date	Crime Location	Social Media	Suspect Details	Status	Priority	Bureau Notes
C246	Bank Account Fraud	Bank account fraud has occurred if transactions you haven't made show up on your bank statement.	Mumbai	credits frauds	someone is using my account	www.icic.com	1999-08-21	kanpur	gmail	michael	INPROGRESS	LOW	checking your account details
C253	Identity Theft	Identity theft is the deliberate use of someone else's identity, usually as a method to gain a financial advantage or obtain credit and other benefits in the other person's name.	Hyderabad	missuse of my picture	someone is using my pictures	www.facebook.com	2000-04-18	delhi	facebook	michael	VERIFICATION	HIGH	i am checking the id of the suspect.
C898	Hacking and Viruses	Computer hacking involves violation on the privacy of others by invading their network security and causing damage to the software.	Jaipur	My computer is hacked	Got an email from someone to download a file.	www.gmail.com	2018-11-24	Nashik	Gmail	Russian hackers	INPROGRESS	MEDIUM	Checking the email.
C381	Bank Account Fraud	Bank account fraud has occurred if transactions you haven't made show up on your bank statement.	Mumbai	sbi	my account is hacked	www.sbi.com	2018-12-05	kanpur	facebook	michael	INPROGRESS	MEDIUM	WE ARE CHECKING YOUR ACCOUNT DETAILS
C764	Bank Account Fraud	Bank account fraud has occurred if transactions you haven't made show up on your bank statement.	Mumbai	dwsdwdw	wdw	www.facebook.com	2018-12-07	kanpur	facebook	sd	NEW		

CYBER CRIME RECORDS MANAGEMENT SYSTEM

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Cyberbullying Complaints

Complaint ID	Category	Subject	Details		URL	Date	Crime Location	Social Media	Suspect Details	Status	Priority	Bureau Notes	Action
C799	Cyberbullying	Online Harrassment	Online players harrass me because they are noob and blame me		www.valorant.com	2022-04-21	Chennai	twitch	Online userid Ultra_noobbbbs	NEW			View and Update



GITHUB SCREENSHOTS

CONCLUSION

The crime management system is a web-based application for primarily providing training to the employees who provide customized solutions to meet organizational needs.

The application has been computed successfully and was also tested by taking test cases. It is user friendly, and has required options which can be utilized by the use to perform the desired operations.

FUTURE ENHANCEMENTS

This system being web-based and an undertaking of crime management division of the government, needs to be thoroughly tested to find out any security gaps that may have been missed upon.

Also, a further system that includes more features and integrates other domains of crime management like prison management or police station details like personnel available, etc, can be integrated withing the project.

REFERENCES

- <https://github.com/amirhamza05/Student-Management-System>
- <https://github.com/topics/student-management-system>
- <https://github.com/Viththiyakaran/prison-management-system>
- <https://github.com/JashUpatel/project>
- <https://github.com/ShardulDave/Online-FIR-Management-System>