ONLINE CRIME INFORMATION MANAGEMENT SOFTWARE

**By:**

**Mohit**

**Nishant Gupta**

**Sandeep Samatam**

**Ranu Vikram**

**Abhinav Mittal**

1. **OVERVIEW**

The purpose of this project is to design an online crime information management system. This crime information management system will aim toward centralization of various crime related data across all police stations for efficient communication and sharing of data. This system will store various kinds of data, such as modus operandi of crimes for identification of serial killing and organized crimes.

1. **VARIABLES USED**

Various variables used in different forms:

**login:**

This is the main form user sees once started the software. Here user will need to provide user type, user name and corresponding password.

1. **Labels:**

user\_type, user\_name, password: will display the label headers.

1. **Buttons:**
2. log\_in: will take user to Form1 if the typed credentials match.
3. button\_exit: allows to exit from the application.
4. **ComboBoxes:**

User\_type\_select: allows to select between Regular user or Admin.

1. **TextBoxes:**
2. user\_id: allows to type the username here.
3. pass: allows to type the password here.
4. **PictureBox:**

pictureBox1: to display the image.

**Form1:**

This is the second main form user will see once logged in.

**a) Labels:**

1. label\_welcomeuser: will display the user name of the person logged in.

2. label\_welcome,label\_search,lable\_keyword: displays the texts.

**b) Buttons:**

1. button\_logout: will be used to logout from the existing user.

2. button\_add: will be used to add more new contents to the Crime Information Database.

3. button\_viewall: to view all records given/stored so far.

4. button\_search: to search once the fields are filled.

**c) Combo-boxes:**

1. comboBox\_search: by the text in the options of this combo-box, user can search by category of the crime, suspects, evidences or some keywords of the description.

**d) TextBoxes:**

1. textBox\_keyword: to type the keyword to search.

**Form\_Add:**

In this form, user can add various details of the criminal activity.

**a) Labels:**

label\_category, label\_date, label\_time, label\_location, label\_description, label\_evidence, label\_suspect: These labels only used to display the text headings.

**b) Buttons:**

1. button\_addevidence: to add another evidences.

2. button\_upload: to upload some file as an evidence.

3. button\_addsuspect: to add another suspect.

4. button\_addmore: to add more databases.

5. button\_done: to check if all the filling is done.

6. button\_cancel: if user want to cancel all the data written into the fields and close this form without adding any database.

**c) Combo-boxes:**

1. comboBox\_category: to select which category of the crime.

**d) TextBoxes:**

1. textBox\_place: to store the location of the crime.

2. textBox\_description: to store the description of the crime.

3. textBox\_evidence: to store the evidences.

4. textBox\_suspect: to store the suspect’s name.

**e) Datepickers:**

1. datePicker: data is selected through the calendar.

2. timePicker: to set time.

**Form\_viewall:**

This form is used to display all the records of different criminal activities.

1. **Labels:**

label\_allrecords, label\_sno, label\_dateplace, label\_category, label\_description, label\_status: all these display simply the text.

1. **Button:**

Button\_back: to get back to Form1.

1. **DataGridView:**

dataGridView\_records: to display all the records of different crime activities.

**WORKING:**

Once software is started, user will be asked to select usertype- whether Regular user or Admin. Then type in the username and password accordingly. Then these credentials are matched with the database’s enteries of usernames and passwords. If it matches, user is logged in and Form1 is opened. Operations for Regular and Admin users are different.

For Regular User:

There are various operations for the regular users. He/she can search from the records, can add new crime information/record, view all the records in the database so far.

In case of searching, user can select by which type of crime related information he/she wants to search. User can search from the database according to category, status of the crime investigation, date-location and suspects. So, accordingly, search operation is performed from the database and shown in the form Form\_viewall.

User can also add new record. On clicking on add button, a new form is opened where various details are to be provided like category of the crime, date, location, time, description, evidences-both names or files can be given and suspect’s names can also be given. Among these details, Category of the crime, location, date-time and description are necessary fields to be filled.

Once user adds all the details, he/she can click on done button. If he/she wants to add another record of the crime activity, click on add another button, which will clear all the fields and can input all the fields again. If user wants to cancel, he/she cancel button which will take user to another form, Form1.

When the done or add another button is selected, all the filled fields are put into the database.