



# Online Crime Reporting System Using Python Django

<sup>1</sup>Mrs.B.Sathayabama, <sup>2</sup>Ms.R.Savitha, <sup>3</sup>Ms.R.Iswarya

<sup>1</sup>Assistant professor, <sup>2</sup>Resreach Scholar, <sup>3</sup>Resreach Scholar

<sup>1</sup>PG And Research Department of Computer Applications,

<sup>1</sup>Hindusthan College of Arts And Science, Coimbatore, Tamilnadu, India.

**Abstract:** Online crime reporting system came up with the solution to replace the old manual complaint registration system. The victims can file the case and submit the evidence under the various sections on a single website. This project provides features like anonymous tip, alert systems, case status, crime notice board, cybercrime complaint registration, GPS tracking system, police contact details with the station address, and provide the safe storage for storing evidence and files and maintain a backup of every single data which helps the police to investigate the case and provide justice to victims in a meantime.

**KEYWORDS:** Anonymous tip, File Backup, Crime alert, Cyber complaint.

## I. INTRODUCTION:

The online crime reporting system is a web-based application. This software provides a facility for reporting online crimes, complaints, missing persons, showing most wanted person details mailing as well as chatting. Any Number of clients can connect to the server. Each user first makes their login to sever to show their availability. The server can be any Web Server. An SMTP Server must be maintained for the temporary storage of emails and chat jar files to enable the chatting facilities. The mobile-based application provides more flexible access for the user to use our website through android mobiles in an easy manner. The proposed system aims to develop a system of improved facilities. The proposed can overcome all the limitations of the existing system. The system provides proper security and reduces manual work. The existing system has several disadvantages and many more difficulties up to some extent. The proposed system helps the user to work user-friendly and he can easily do his jobs without time lagging. Our system is also developed as a mobile-based application to provide easy mobile access for the users

This project will be developed using **Python** as Front End and **MySQL** as the backend and the application can run on any Windows platform.

The "Online Crime Reporting System" has been developed to override the problems in the manual system. This project helps the people who are shy or scared to visit the police station and helps them to register the

complaint. In the manual system, it is hard to maintain the case files and evidence, when the case investigation grows managing the data will be difficult. So this project is very helpful to manage the files and case evidence properly with the backup and minimizing the manual errors, easy to use no advance level knowledge is required and identity safe features will encourage the public to support the police officials by providing anonymous tips, alerts about crimes and sharing shreds of evidence and proofs related to crimes. And cybercrime reporting, crime notice board, warnings and alerts, case status, file backup, and managing and many more features like this provide the robustness to this project, by this crime rate can be controlled easily.

**KEYWORDS:** Anonymous tip, File Backup, Crime alert, Cyber complaint.

## II. LITERATURE REVIEW:

The idea draws motivation from the people who hesitate to visit the police station and personal belief of weak investigation and corruption and limited spreading of crime information. The usage of the internet is increased in every sector, so people find it easier to register a complaint online rather than visiting the police station, it is secure and possible to hide their identity if they want. This application helps to create a bridge between normal people and the police department to share information and evidence. It is helpful to track and monitor the criminals around the state and country and maintain a complete record of criminal information. It helps to search and access a large amount of data in less amount of time and provides a language-independent search over a large amount of data collected from different sources. It provides online assistance and general information and creates awareness among the people. Helps the people to gather general information and valuable advice and crime control methods, along with case investigation status and “SOS” capability in which a person can press a button and their location is shared with the nearest police station

## III. EXISTING SYSTEM:

In the manual existing system, people need to visit personally to the police station to file a complaint, the case files and complaint records are still stored in files and kept them in a room, chances of data loss is high and evidence like CD, audio files, photos are stored without backup in old traditional methods when the investigation starts, the evidence and records of that case grow eventually, if the old case reopens after a long time then it will take an enormous amount of time, in the existing system it's hard to maintain a large amount of data and searching a particular data takes huge time. Some people are scared to visit the police station and file a complaint due to many reasons and corruption in some police stations won't let everyone file a complaint and they fail to bring justice to the people on time. Most of the victims are less known about the legal procedures and the process to file a complaint will result in most of the crimes will not come into notice, in this pandemic situation many victims will not visit police stations due to the fear of COVID-19 this makes the increase in crime rate.

## **DRAWBACKS OF EXISTING SYSTEM**

- More manpower.
- Time-consuming.
- Consumes a large volume of paring work.
- Needs manual calculations.
- No direct role for the higher officials.
- Damage of machines due to lack of attention.
- To avoid all these limitations and make the working more accurate the system needs to be computerized.

## **IV. PROPOSED SYSTEM:**

The online crime reporting system helps the victim to file a complaint online under various sections, there is no need to visit the police station and the victim can file the complaint with evidences like photos, audio clips, or video clips attached to it. It helps to maintain and manage a large amount of data and any data can be searched easily, easy to register the cybercrime complaint and the user can hide his identity while filing a complaint or giving anonymous tip to the police and every data is stored safely with proper backup so there is no data loss. Police are having a criminal database and it helps them to alert everyone in emergencies, the admin of the police station can update the complaint status and inform the victim about the investigation state and take the necessary steps. Police and user are having their id and dashboard this helps them to manage the files and through this project, it helps to create a bridge between the police and normal people. Through this, the police can spread awareness about drugs, women's safety, child labor and cybercrimes, and many more things like this and help to reach a large number of people in less time. With feedback form and comment features help this project to interact with the people efficiently, this makes people contact police without hesitation and with hope and trust.

## **ADVANTAGES OF PROPOSED SYSTEM**

The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations. It has got following features

- Ensure data accuracies.
- Proper control of the higher officials.
- Reduce the damages to the machines.
- Minimize manual data entry.
- Minimum time needed for the various processing.

- Greater efficiency.
- Better service.
- User-friendliness and interaction.
- Minimum time required.

## V. SYSTEM ARCHITECTURE

### ADMIN

- ❖ Login
- ❖ View Complaints
- ❖ Update cases

### USER

- ❖ User Registration
- ❖ User Login
- ❖ Complaints
- ❖ Crimes
- ❖ Missing Persons
- ❖ Without Login

### MODULE DESCRIPTION

The system comprises 2 major modules with their sub-modules as follows:

#### ADMIN:

- **Login:** Admin can log in to his account user id and password
- **View Complaints:** Admin can view the complaints.
- **Update cases:** Admin can update the crime cases.

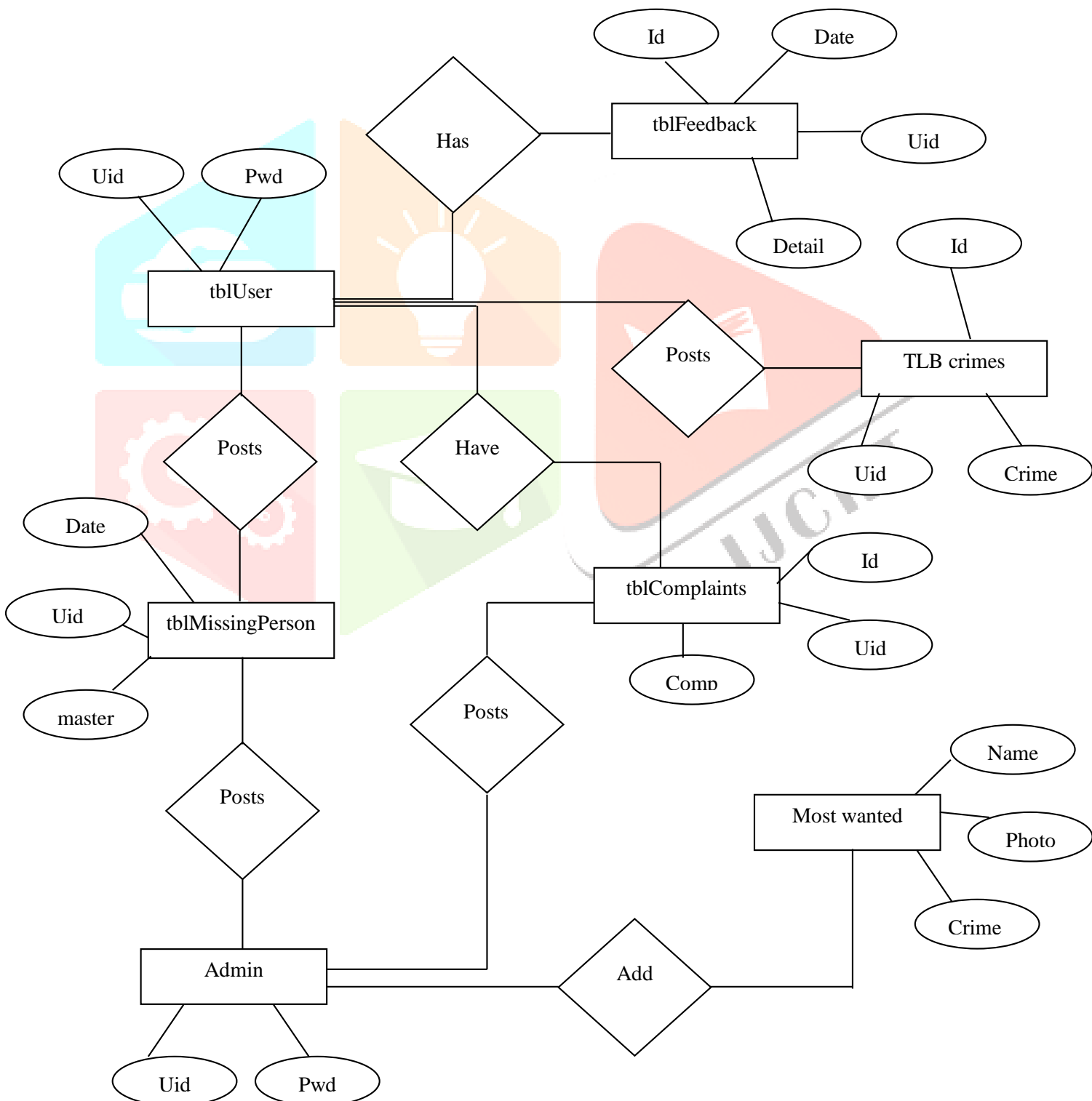
#### USER:

- **User Registration:** The user has to register to file complaints, crimes, or missing reports.
- **User Login:** The user can log in to the system to file and check the status of his complaints or missing reports.
- **Complaints:** Complaints consist of basic details the system asks and the user has to fill in to register a complaint and check the status of his complaints.

- **Crimes:** Crimes consist of all the details that the user has to fill in to register a complaint and provide a picture, if he has one related to the crime, also can check the status of the crimes he has filed.
- **Missing Persons:** The System asks the user to enter all the details of the person with a photograph. The system also allows the user to check the status of his previous filed cases.

**Without Login:** The System allows the user to check for crimes against the pin code provided by the user. The User can also check for missing people.

**ER DIAGRAM**



## VI. OBJECTIVES:

Through the Online crime reporting system, its main goal is to control crime and bring justice to the people on time. Every crime should be registered and the culprit should be arrested and sent to jail, and this project helps the police to detect and prevent the crime easily, and manage a large amount of data and prevent data loss due to old traditional data storing methods, and helps to create a bond between people and the police this encourages to reach the common goals and fight against the common enemies and works for the welfare of the society.

## VII. CONCLUSION:

The system has been designed and developed flexibly according to the current requirement of the user. As the information required may still increase shortly. Further such development can be attempted. Several areas are to be developed in the future, so the application must be upgraded for the new once required and it is possible to the modification according to the new requirement and specification. When the organization grows and if its plan is on the increase this system can also be future modified. This project helps the concern to a very good extend. Thus the E-Crime File System" helps in future development and the existing needs. The application can be extended for effective communication between the user and the system designer it provides easier data communication and it is valuable. The basis of the project is well analyzed and prepared so that any changes in the future can be updated to the project.

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