

# Online Complaint Logbook (OCL)

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**Abstract:- Online complaint Logbook (OCL) registers the information regarding the crime, zone of the police station associated with and respective information just a click away. As digitalization is asked everywhere and which is the need of future it is necessary to look after these critical sections too. Many times crime happens but it is not recorded, that is no official registry is done due to some reasons whose ratio can be decreased by making an application which submit report of incidence with information associated with and no need to visit Police Station. This not only reduces time but also help cops in investigation as the fields are designed in such a way that all information which is supposed to asked or required for investigation is already been available in database .**

## I. INTRODUCTION

There are many incidents which took place and had to be reported to police station but it doesn't act so due to several reasons. One of the main reason is communication gap or due to communal or family pressure. Police cannot be available everywhere or the place where the incident or likely crime scene took place. Also police department has to keep data record which is being stored in the hard copy format which once accidentally misplaced is nearly impossible to be retrieved. The new upcoming databases are completely digital as concepts like data recovery, privacy and security are achieved which is way better and the demand of future. OSCL does the same, it is fulfilling that communication gap that is one can easily report anything which is illegally found at that instant only. User or any individual who is reporting do not need to visit respectively to the police station. The main motivation of making this project is not only to register the crimes or certain misbehave in society but also to give power to each individual in the society to fight against the injustice.

## II. LITERATURE SURVEY

OCL is one of its kind as per the implementation is concerned. However it is inspired by the "VISITOR MANAGEMENT SYSTEM" an offline police complaint register which was implemented by our group while working as interns in a company and is successfully running in many

police stations. In current situation ,many of police stations are even now doing the hectic typing and handling of Excel sheets and do not have a centralised copy of the important documents. This problem can be solved by our proposed OCL. This will make their work easier than their early situation and allow them to focus more and even more time on patrolling and their other responsibilities.

## III. PROPOSED WORK

OCL being an android application it opens as a form which contains several fields which are likely to be asked or are required for the investigation or record particular. After filling the form buttons are provided which saves that data in database whose connectivity is done using PHP. For security reasons AES algorithm is used which will encrypt and decrypt the data using private key and hence data will be only available to right individual and no changes will be taken place which seems to be very unique and ideal. The AES encryption has been the most trusted algorithms used for implementing various VPN (Virtual Private Network) applications. The technology used for project is android, PHP for connectivity along with SQL for implementing various database implementations.

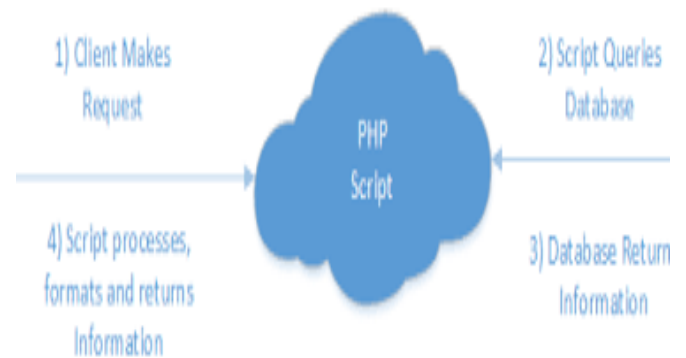


Fig 1:- User Interaction With Server

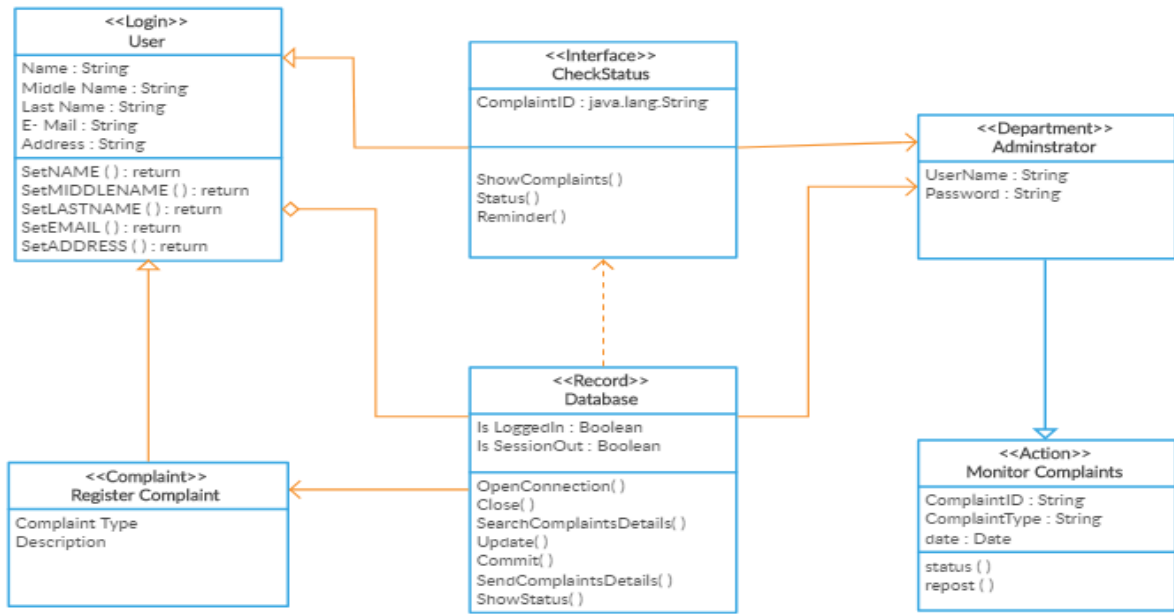


Fig 2:- Class diagram of OCL

**IV. ALGORITHM**

- Start.
- Enter the personal details.
- Enter the complaint to be registered.
- If all details filled correctly then go to 4 else go to 1 and 2.
- Press the encrypted message button if it is to be encrypted else go to 5.
- Press the submit button.
- Finish.

**V. ARCHITECTURE DESIGN**

- Presentation: The First layer is the presentation layer which mainly contains the interface which is done in android and more specific in XML and JAVA.
- Business Logic: The Second layer is the Business Logic which contains all the server side implementation. This layer is most crucial layer which has code to interact with Database and manipulate data which has been inputted from the user interface.
- Database: This layer represents actual data which is stored and manipulated through SQL which is stored or represented relationally that is in the tabular form.

**VI. RESULTS**

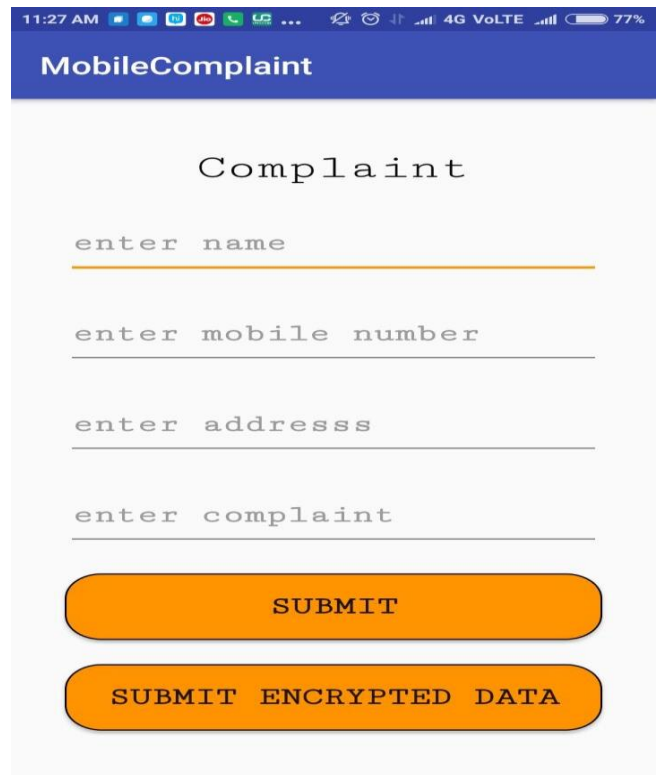


Fig 3:- OCL user interface

ID	Full Name	Mobile Number	Address	Complaint
1	ined	9570885376	gan	ed
2	shruti	9424583269	nagpur	khairi
3	shruti	9424583269	nagpur	khairi
81	akshay	643248322	amabari	not publish research paper
4	yashika	279654887	irabarna	puong tojorp ni ssolisu
5	yashika	279654887	irabarna	puong tojorp ni ssolisu
71	akshay	643248322	amabari	not publish research paper
81	akshay	583214886	jatata	attempt to suicide

Fig 4:- data saved in database

## VII. ADVANTAGES OF OCL

- Communication gap is fulfilled between the reporter and the investigation team that is police department.
- Instant reporting of any kind of incident happened concerned with police.
- Data security and data privacy is achieved.
- Advanced step towards digital tomorrow.
- Eco friendly (paper less solution).
- Decreasing the amount of hectic procedures followed by police officials as compared to their traditional approach.
- Complainants will now complain their problems without any fear because, there is a provision for encrypting the reports that means only authorized official can view the report and take action accordingly.

## VIII. CONCLUSION

OCL is a solution that caters to the needs of police department regarding registration of complaints as well as reduces lot of time as compared to their tedious traditional jobs handled by them (like maintaining excel sheets, maintaining a traditional register) .OCL is not only going to be very beneficial to fulfil the communication gap between cops and society but also will give power to each individual in the society to fight against injustice.

## IX. ACKNOWLEDGMENT

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