

Crime Tracking System

Pallvi , Rahul Kapoor

School of computer science and Engineering

Lovely Professional University, Phagwara, Punjab, India

Abstract:- Crime tracking system is an online mobile-based system which gives a platform for the police to interact with each other and, Tracking Crime in the city and sending alerts. It not only sending as alerts but Can send detailed report with photos and get real time notifications. Act according to the alert, they can also update case reports that Can see nearby police stations and check posts with real time updating. The system gives information regarding the crime, police stations and check post in the city. The policemen involved in the same case can communicate with each other on real time and get instant update on that time.

Keywords:- Crime tracking, real time, policeman, Criminal.

Introduction

Crime tracking system is a system in which user can make connection with the policeman via the mobile phone. This portal is a private professional networking open platform for policemen and their data management. That helps police department to bring their policemen in one platform, organize them and communicate with each other for sharing their investigation updates on particular crime. It will be also open platform for dealing with crimes. Policemen involved in a same crime can interact with each other on real time and get instant update on that. It will make them more productive on work.

Scope of the System

- Information regarding crime, police stations and check post in the city.
- Enhancing sharing experience.
- Crimes get cleared without much complication and confusion.
- Policemen involved in a same crime can interact with each other on real time and get instant update on that.

This system does not include statistics for the crime happening in a particular area or city. It is used when a person see or witness of the crime can share the image of crime on this system and this automatically send to nearby police station or check post. Location of the crime also be send to the police station. It is real time alert application.

The application will facilitate the alert option and investigating option between the connected users. A user will have their own profile sections where they can add their details. The details will include their personal details, work experiences, department they have belong to, belt number designation they have. Only admin can add a particular user in this for verified purposes. The system also contains a relational database containing a list of users and their type, notification list, crime list, number of check post on daily basis, investigation details.

Literature Review:

[1.1] In this the author specifically taking about the Nigeria challenges of security. A crime statistics information gadget(CRIS) is suggested by the author to reduce and control the crime. The CRIS need some information i.e. Name, Kind of crime done, Mode of operation, prison term, Date of left crime and many more. This tools will give the Nigerian police a clear cut information regarding the Criminals and places where the criminal commit the crime last. This provide assist to the police to solve the crime cases timely and get the useful information about the criminal, But this CRIS is lacking in some cases. For example, the criminal record is not available with the police and not save in CRIS or may be criminal first time commit

crime. So, there are many situations where this system waste the time of police and does not give clear about the crime and criminal.

[1.2] In this the writer discussed about the importance of identifying the crime records. All the records are added in this system. In this police department highlights the importance of saving crime records and then design a system that complete the task as per the user requirement. In this system all the records are not save. Before saving of record we are not able to use it appropriate. No real time data and alert are send.

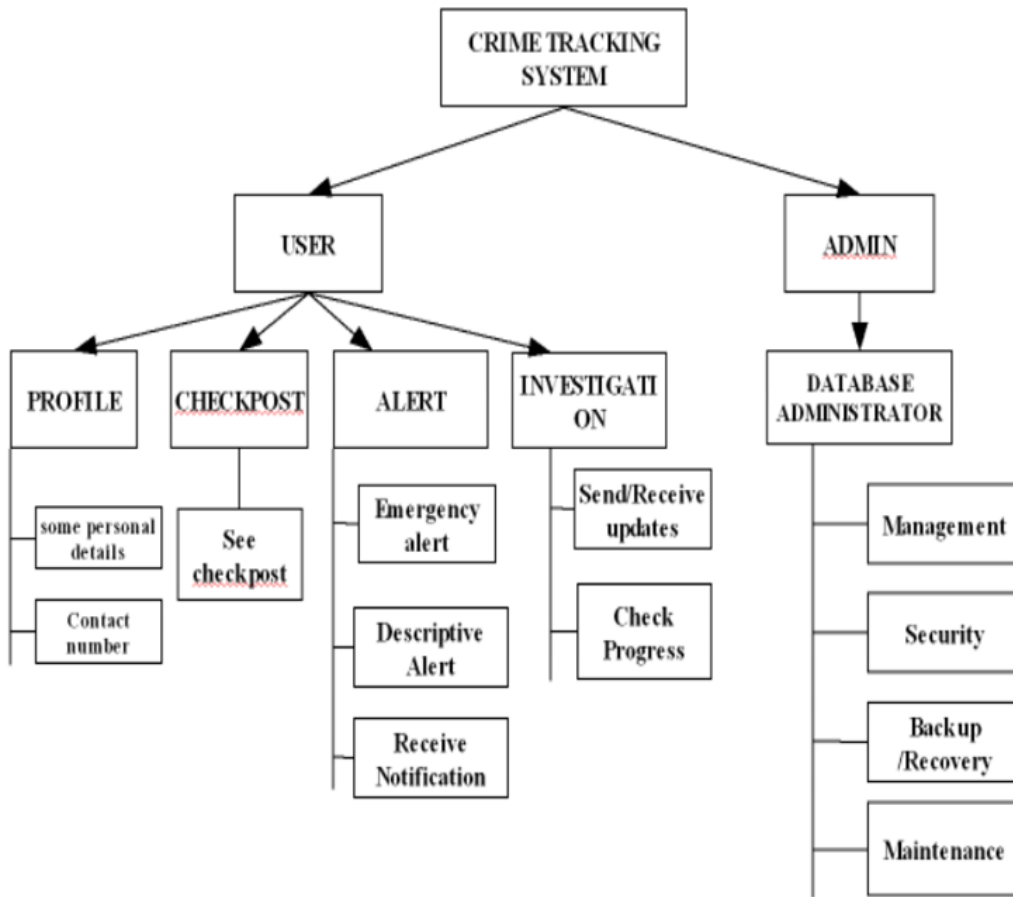
[1.4] The author discussed about the computer software role in police department to give attention towards the crime analysis and for the investigation purpose. In this the author create a difference between the Major crime and volume crime. The major crime involves the (murder , rape etc.) whereas minor crime include burglary. In this system the investigating officers not only analyses the crime patterns but also crime trends , identification of links between the crimes and producing packages which targets the person or group with them the crime link. In this again data must be save in the system to find the pattern of crimes.

[1.5] In this the author discussed about the problem face by the police department and way to solve this. In this the police department can track the criminal and his/her activities. After matching the pattern the next action can be predict and we can stop the crime before happening but there are number of issues that system can face. For example, we cannot predict the mind of an individual. The crime some time depend on the situation which we cannot predict. Record must be with us while use this system then only we can predict the pattern.

NEED OF SYSTEM

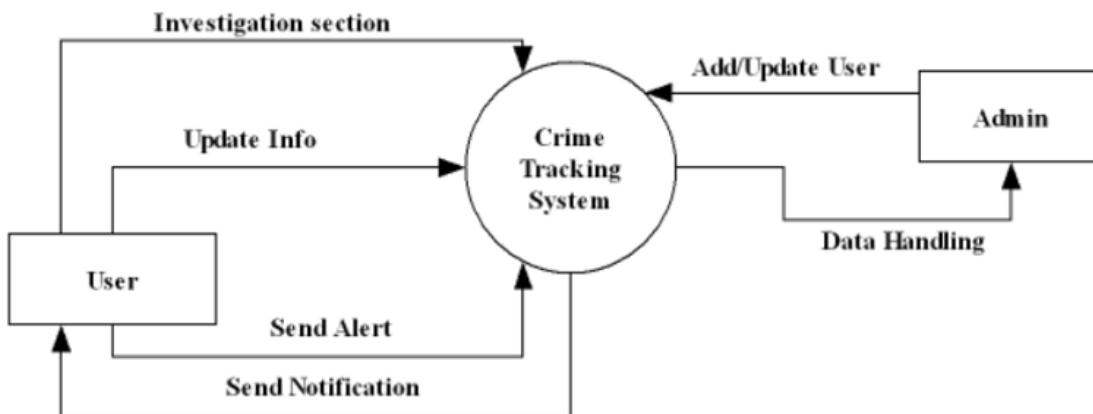
1. Crime is increasing day by day. So, it is difficult for the officer to keep track everywhere. The witness also face difficulties to communicate with the police. So one alert with location will be send to police.
2. It is not possible for the general public to visit the police station frequently to get information about the criminals and communicate with the police. They can get the information from the app.

Logical View of the System



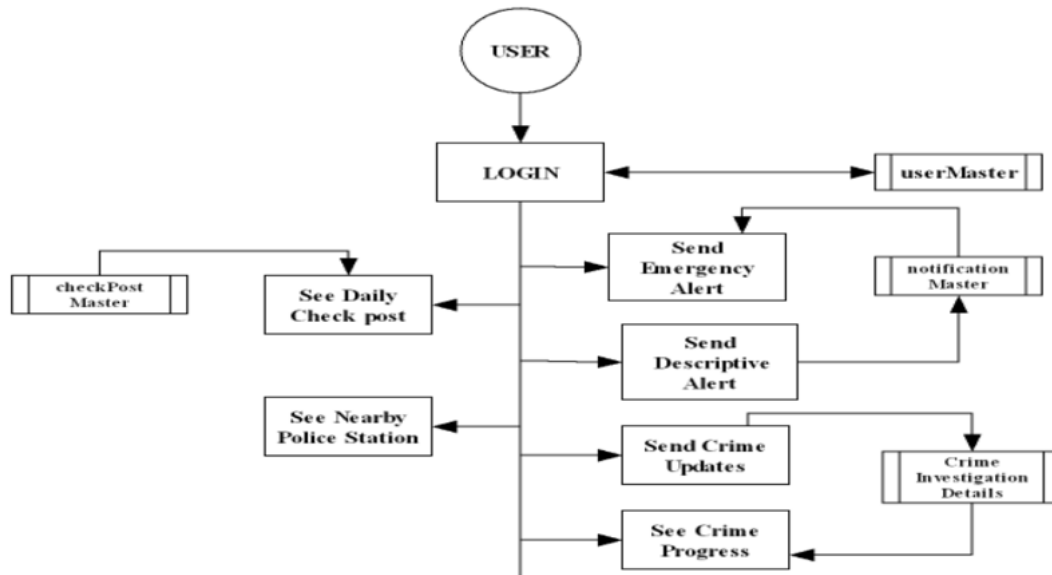
Data Flow Diagram of the system

The flow of the data in Level 0 Of crime Tracking system.



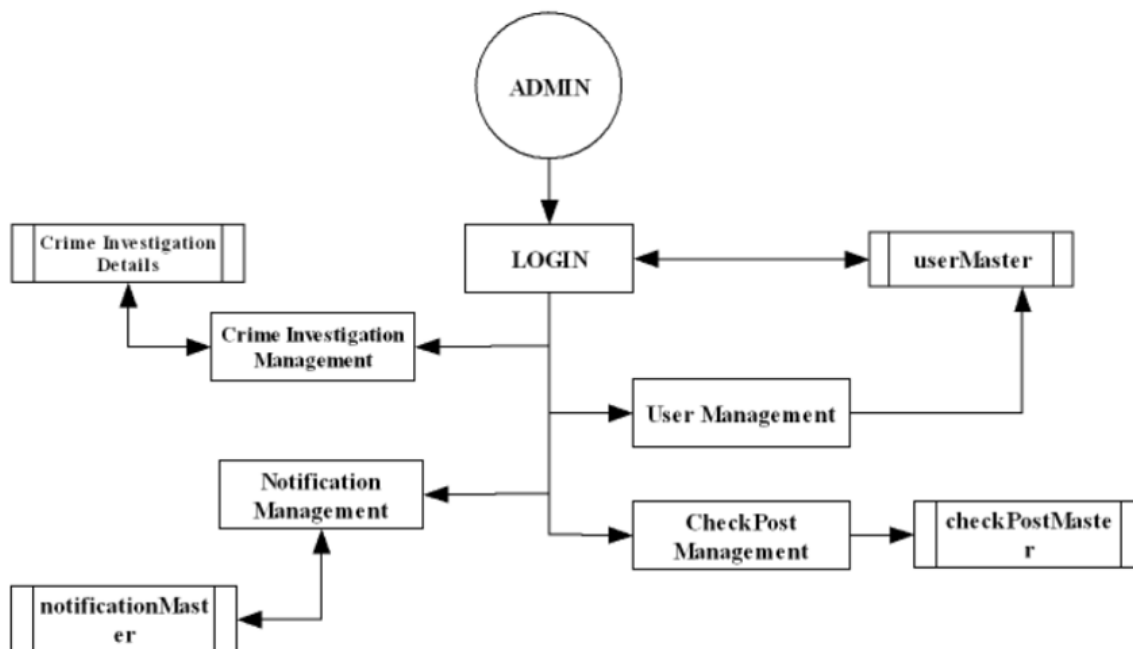
Level 1 of User

User can perform number of task like send as alert message. See the crime progress for which he/she is complaint about, nearby police station.



Level 1 of Admin

In the Level 1 of Admin firstly it is mandatory for the admin to login. After login the Admin can check the notification of any crime happening nearby and give the detail of the crime as well.



Conclusion

In this system till the time real time notification can be send of crime with location can be send to the nearby police station and check post. The individual can check the status of his/her complaint. This system solve the trouble of police department, because nearest police station get the detail of crime. Policemen can give his/her comment to the crime after investigating it.

Future Enhancement

In future we can add many more thing. Right now this system is totally statistic free. In future when an individual complaint against any person then that data will be save and that save data can be used to predict the criminal by using previous data. Data prediction and Data analysis can be added with this in future by using machine Learning and Artificial intelligence.

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