

Android Based Crime Reporting System Using Firebase

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ABSTRACT

Android based Crime Reporting System is an online crime reporting system to engage public. In our society, usually people have to go to police station to complain about their reports, however here we design an online crime reporting system for the benefit of public. It facilitates report crime, check the status of reported crime, etc. So the crime report is researched and refreshed to people in general with the short span of time. During the police investigation this system would speed-up the entire process of tracking down the criminals. Hence a mobile application is made available to the common people for suddenly report the crime.

Keywords:-Authenticated, crime report, android application, firebase.

INTRODUCTION

In computer world, mobile technology is one of the boons for the users and it can be used in many other arenas and applications such as Gaming, Maps, E-mail, Messaging, Photography and so on. Among numerous different fields and applications, Crime reporting is one of the propelled useful applications for recording criminal records. This is engaged to report and file minor crimes, facilitates many ideas to police, stay updated on crimes in progress, etc. As the criminal information is not accessible remotely there is a communication gap between the police authorities investigating any case. It helps the general population to report crime whenever during any basic circumstances and it may help the users to get convenient in their difficult states. The crime is enrolled in the useful application to get speedy access of the report.

SCOPE

The main scope of this project is to develop an android based crime reporting system which is effectively open to the

individuals and the police utilizing in their own android mobiles. This framework gives appropriate safety and diminishes the manual works of record based framework. As a general the scope of this software is as follows:

- Ensure data's accuracy.
- Overall population can enroll crime to the police.
- Predominant ability and speedy courtesies.
- User agreeable and intuitive.
- Minimum time required.
- Generates crime reports.
- More advantageous correspondence among public and police.
- Reducing crime in a town.

EXISTING SYSTEM

In India individuals are usually reluctant to give a protest in police headquarters since they are loaded up with a spurious fear about the police division.

- Time consuming.
- More man power.
- It requires more records and manual and does not afford all the data from one source.

PROPOSED SYSTEM

An online complaint enrollment framework will illuminate the dread of the general population and which additionally helps police division getting hoodlums and making fitting move. This crime reporting mobile application helps to reduce the greater part of the work which is annoyed to the police men. This web system will provide great advantage for the crime department such as,

- It can benefit public as well as police.
- Report is asserted in the application and it guarantees exactness.
- It encourages fast and formal Communication.

MODULES

The Android Based Crime Reporting System Using Firebase has two main applications. They are listed below

- User application
- Police application

User Application

This module assists with bearing the necessities of the overall population. Above all else, the clients should do one

time enrollment before utilizing the application. After registration, user will be provided with the facilities like report crime, check the status etc.

Police Application

This module will be prompting the advancement of police android application which would fill in as follows. As a matter of first importance, the police needs to login with the username and the password gave to him, as this application isn't freely accessible for the general clients.

MODULE DESCRIPTION

The user application consists of

- Register complaints
- View complaints
- Check status
- Profile
- Forum
- Sign up
- Sign in

Register Complaints

In the post complaint module user can report a new complaint to the police.



Fig.1:-Register Complaints

View Complaints

In the view complaints module user can view all the registered complaints



Fig.2:-View Complaints

Check Status

In the check status module user can check the status of posted complaints



Fig.3:-Check Status

Profile

In the profile module user can view their profile details

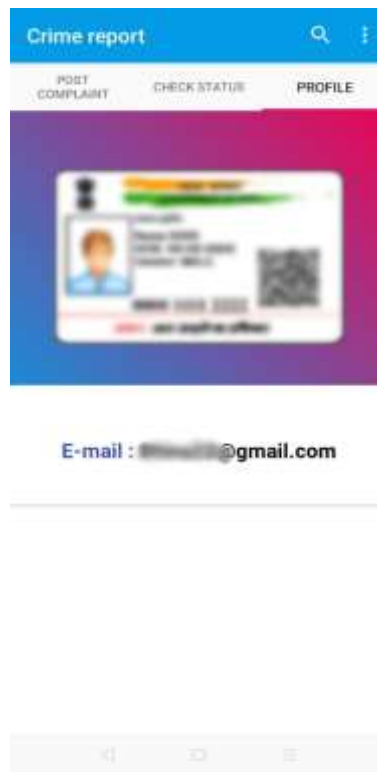


Fig.4:-Profile

Forum

In the forum module users can put their queries.

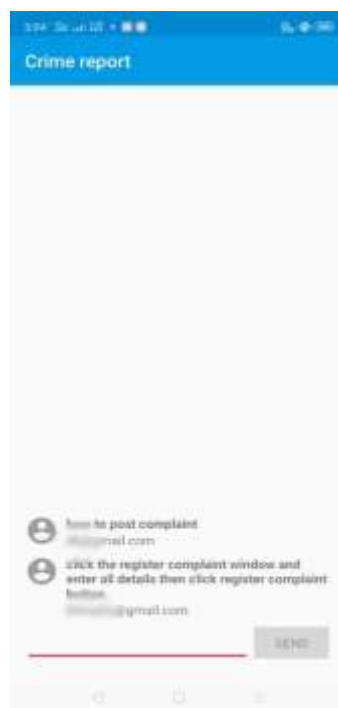


Fig.5:-Forum

Sign Up

First and foremost, the users must sign

up and register in the mobile application by providing their proper data.



Fig.6:-Sign Up

Sign In

This system offers quick response for their sign in users and the users can login and

register their Complaints in the application.



Fig.7:-Sign In.

The Police Application Consists of

- View complaints
- Update status
- Profile
- Sign in

- Sign up

View Complaints

In the view complaints module, police can view all the complaints registered by users.



Fig.8:-View Complaints.

Update Status

In the update status module, police can update the current status of the complaints registered by users.

Profile

In this module police can able to view their profile information.

Sign up

In the sign up module police can register into the application by providing their essential details.

Sign in

Police can sign in to the application by entering their correct log in id and password.

Cloud Database

In this application, Firebase will be utilized for putting away the database to provide the facility of remote access. As referenced in the police client application, the username and the secret key utilized by the police will be cross-confirmed with the ones put away in the database.

Future Enhancement

- In future, I planned to develop this application in flutter using dart language.

- In future, some other validation can be utilized to give better safety efforts to the criminal database.

CONCLUSION

Right now we have beaten the issue of correspondence hole between the police during their examination. We likewise give answer for connect the correspondence hole among police and general client. Additionally, the criminal data will be promptly open to the police authorities as it is put away on the cloud.

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