

CRIME REGISTRATION INTERFACE

Identification and Justification of Problem

In the modern era of civilization, everything has turned online right from the purchase of groceries to trading stocks but, reporting a crime which is a major part for maintaining law and order in the society is still being run offline. In the current fast moving world, citizens may not have time and patience to report a crime offline. Moreover, digitalizing these crimes onto database which are reported on paper is a tedious task. Considering the above factors there is definitely a need for a change in the current crime reporting system.

Description of problem

In the current mode of crime investigation, preprocessing of the case such as filing an FIR, assigning the case to a concerned officer and status update of the report are slow moving processes because they are carried out offline. And also converting these offline reports into digital data is also a challenging task. To cope with such challenges, there is a need for improving the current system of reporting crime.

Brief description of innovative Solution

We provide a solution - Crime Registration Interface, an interactive web interface. The main objective of our model is to provide a 24x7 online crime-reporting provision. This interface allows victims and witnesses of a crime to report the incident at any time and any place. It eases the task of recording and digitalization of the crime hence removing the hectic task of paper work. It also enables easy file sharing and accessing. Our model is an easy to use interface built on client-server architecture. It is built with the capabilities of speech-to-text and text-to-speech. Apart from recording the crime, it also provides insights of the crimes for analysis purposes. One such characteristic in our model is a crime map which shows the density of crimes reported by location. Totally, our model is successful in registering the crime online, and providing crime analysis and awareness.

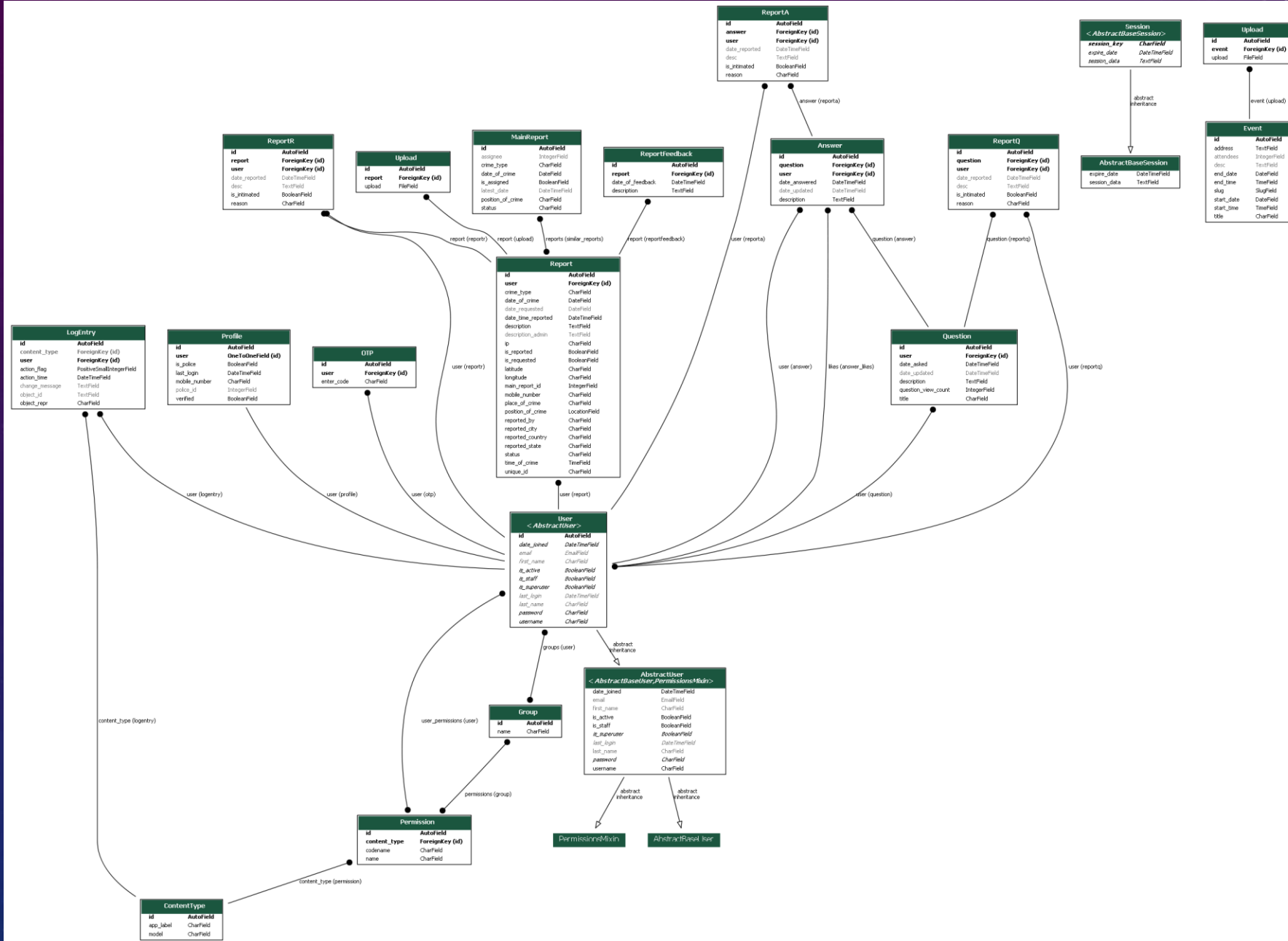
Description of the technology/management practices involved

As it is a web interface, we use the most widely used web technologies for developing the same. Django: a python based web framework, is for coordinating the frontend and backend of the website. The static web technologies include HTML, CSS, JavaScript, AJAX, Bootstrap for designing the frontend functionalities. PostgreSQL is a relational database which goes to and fro with Django and used for storing the static and dynamic data. We use a dedicated server for mailing and messaging. We use some third party services for mobile verification, user location tracking and some map tools. There is a superior user called admin who looks after the management of the website. There are moderator users who assure smooth running of the website.

Brief description of implementation of delivery and business model

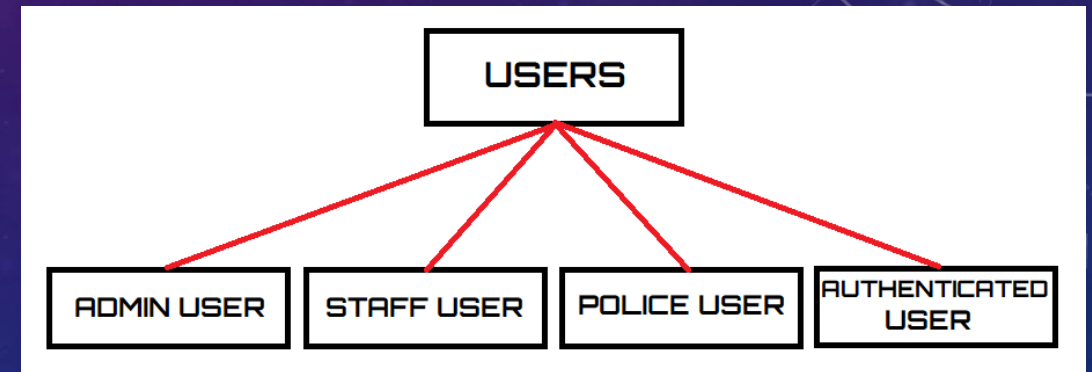
After the development of alpha version and acquiring the required permissions from the government, the website is then hosted online and opened for public use. This interface has a feedback module which enables users to provide suggestions and report bugs in the website. This is a non-profitable service and doesn't focus on generating revenue.

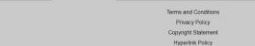
UML DESIGN




STRUCTURE

- User has to be authenticated to report a crime.
- “**Admin User**” can add a “**Staff User**” and also a “**Police User**”.
- “**Authenticated User**” can report the crime any time through the web interface.
- The “**Staff User**” gets notified and assigns a case to the available “**Police User**”.
- The “**Police User**” can start the investigation and update the status of the crime.
- The updated status will reflect to the User who has reported the crime.
- The “**Police User**” can close the case after the crime has been solved.
- The User who has reported the crime can give feedback to the police.



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 **CRI**
Crime Registration Interface

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[pavan](#)

Report Detail

FILED

ASSIGNED

INVESTIGATION

CLOSED

Update Status


Report

Locate on map

Go to Main Report

REPORT ID	:	56D02D9E
NAME	:	Sushanth Reddy
MOBILE NUMBER	:	+919999999999
EMAIL	:	enukondasushanthreddy21@gmail.com
TYPE	:	Cyber Crime
DATE OF CRIME	:	Nov. 14, 2020
TIME OF CRIME	:	9:16 p.m.
PLACE OF CRIME	:	Bowenpally, Secunderabad, Hyderabad, Telangana, India
REPORTED AS	:	Witness
DATE REPORTED	:	Nov. 17, 2020
TIME REPORTED	:	12:47 p.m.
REPORTED FROM	:	Hyderabad, Telangana, India
DESCRIPTION	:	desc
STATUS	:	Under Investigation
DESCRIPTION BY POLICE	:	Case under investigation
FILE UPLOADS	:	FooterIdea_UCvBOT4.PNG

Download Report

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Events

Past Events

Current Events

Future Events

Event Name contains

Search an event

Search

Clear

Event Demo


Date : Nov. 18, 2020 9:53 p.m.

Event Demo Event Demo Event Demo Event Demo Event...

Event Calendar

November 2020

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

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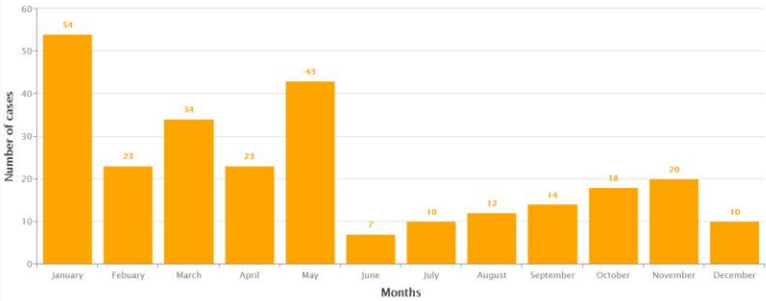
DashboardCrime MapAll ReportsReportEventsSupportSelect Language▼

pavan▼

Admin Dashboard

Add an eventAdd SuperuserAdd StaffAdd PoliceQuestions ReportedAnswers ReportedReports ReportedRequests for update

Monthly Report for year 2019




Main Reports

StatusCase Type

SearchClear

CASE TYPE	REG. DATE & TIME	LOCATION	STATUS
Cyber Crime	Nov. 17, 2020, 6:20 p.m.	17.47611,78.48278	Under Investigation →
Accident	Nov. 16, 2020, 5:50 p.m.	17.36667,78.46667	Filed →
Burglary	Nov. 16, 2020, 5:46 p.m.	18.433502389821413,79.14972062784578	Closed →



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DashboardReportEventsSupportSelect Language▼

bhanu▼

Police Dashboard

All ReportsRequests for updateFeedbacks

Total Reports4Solved Reports1Unsolved Reports3

StatusCase Type


SearchClear

Unsolved Reports

CASE TYPE	REG. DATE & TIME	LOCATION	STATUS
Arson	Nov. 26, 2020, 12:21 p.m.	23.82201444752,88.0386772435548	On Hold →
Accident	Nov. 26, 2020, 12:18 p.m.	28.66667,77.21667	Filed →
Cyber Crime	Nov. 17, 2020, 6:20 p.m.	17.47611,78.48278	Under Investigation →

Solved Reports

CASE TYPE	REG. DATE & TIME	LOCATION	STATUS
Burglary	Nov. 16, 2020, 5:46 p.m.	18.433502389821413,79.14972062784578	Closed →



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Crime Map

Cluster Crime Map

Case Type

Date after

Date before

dd-mm-yyyy

dd-mm-yyyy

Search

Clear


Filed

Under Investigation

On Hold

Closed

Search



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Status

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Date after

dd-mm-yyyy

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