CSP 351

DATABASE MANAGEMENT SYSTEMS LAB

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CRIME REPORTING PORTAL

Submitted by:

Shivam Bindal BT19CSE008

Deepak Garg BT19CSE009

Sagar Prajapati BT19ECE007

Praveen Kumar Singh BT19ECE012

Sanyam Jain BT19ECE020

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DECLARATION

We hereby declare that the project report entitled CRIME REPORTING PORTAL was prepared by us during the 5th semester and was submitted to the National Institute of Technology, Uttarakhand, in partial fulfillment of the requirements for the award of the Degree in Bachelor of Technology . We also declare that this project report is original and genuine and it has not been submitted to any other University for the award of any degree, diploma or other similar titles or purposes.

Date: 24-Nov-2021

Signature of the Candidate:

Shivam Bindal BT19CSE008

Deepak Garg BT19CSE009

Sagar Prajapati BT19ECE007

Praveen Kumar Singh BT19ECE012

Sanyam Jain BT19ECE020

ABSTRACT

The main objective of the online crime reporting system is to manage the details of crime, criminal, public, solutions, department. It manages all the information about crime complaint, department, crime. The project is totally built at the both user and administrator end. The purpose of the project is to build and application program to reduce the manual work for managing the crime, criminal, complaint, public. It tracks all the details about the public, solutions, department.

The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

1. Introduction

The entire project has been developed keeping in view of the modern templating technology in mind .The specification have been normalized up to 3NF to eliminate all the anomalies that may arise due to the database transactions that are executed by the actual administration and users. The user interfaces are browser specific to give distributed accessibility for the overall system. The internal database has been selected as MySQL and PHPMYADMIN.

MySQL and PHPMYADMIN was a choice as it provides the constructs of high level reliability and security. The total front end was dominated using Flutter standards applied with the dynamism of Dart templates. The communication client was designed using Dart. At all proper levels high care was taken to check that the system manages the date consistency with proper validations. The database connectivity was planned using the MySQL, PHP ,DART Client Connectivity, the authorization was cross checked at all stages. The user level accessibility has been restricted into two zones: the administrative and the normal user zone. We have used webhostinger website for hosting our Website

3. Definitions and Acronyms.

HTTP- Hypertext transfer Protocol

PHP - Personal Home Page

GUI – Graphical user interface

RDBMS - Relational Database Management System

SQL - Structured Query Language

4. System Functionalities

The Automated system with distributed architecture can support issues like:

1) It provides the accessibility to any person to register a complain easily.
2) A victim can Login and view his/her registered complain an any time.
3) Admin (Headquarters) can add new Police officials and can allow them the access of this Portal
4) A Police official can view and manage the data of registered complain of every victim.
5) Headquarters can view the complains according to date and pin code vise.
6) There is no queues and delays in this Portal and this Portal is very responsive for Users .

5. Project Design Description

5.1 Purpose:

The purpose of system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work. The existing system has several disadvantages and many more difficulties to work well. The proposed system tries to eliminate or reduce these difficulties up to some extent. The proposed system will help the user to reduce the workload and mental conflict. The proposed system helps the user to work user friendly and he can easily do his jobs without time lagging.

5.2 Scope:

This Document plays a vital role in the development life cycle (SDLC) as it describes the complete requirement of the system. It is meant for use by the developers and will be the basic during the testing phase. Any changes made to the requirements in the future will have to go through a formal change approval process.

6. Scope of the development of project:

6.1 Database Tier:

The concentration is applied by adopting the MySQL. SQL is taken as the standard query language. The overall business rules are designed by using the power of Dart templating and PHP. It can work with whatever web framework and template engine you choose. It supports data validation, CSRF protection, internationalization (I18N), and more.

6.2 User Tier:

The user interface is developed in such a way that it can support all the platforms like browser, android or ios environment to have distributed architecture. The components are designed using DART standards for dynamic page design.

6.3 Database Connectivity Tier:

The communication architecture is designed by concentrating on the standards of MySQL, PHPMYADMIN and Dart connectivity. The database connectivity is established using MySQL dart client connectivity.

7. Software Requirement Specification

7.1 Minimum Required Hardware

o Pentium IV Processor.

o 512 MB RAM.

o 20 GB Hard Disk space.

o Ethernet card with an Internet and Internet zone.

7.2 Minimum Required Software

o Windows 8 operating system.

o Internet explorer 11 or similar browser.

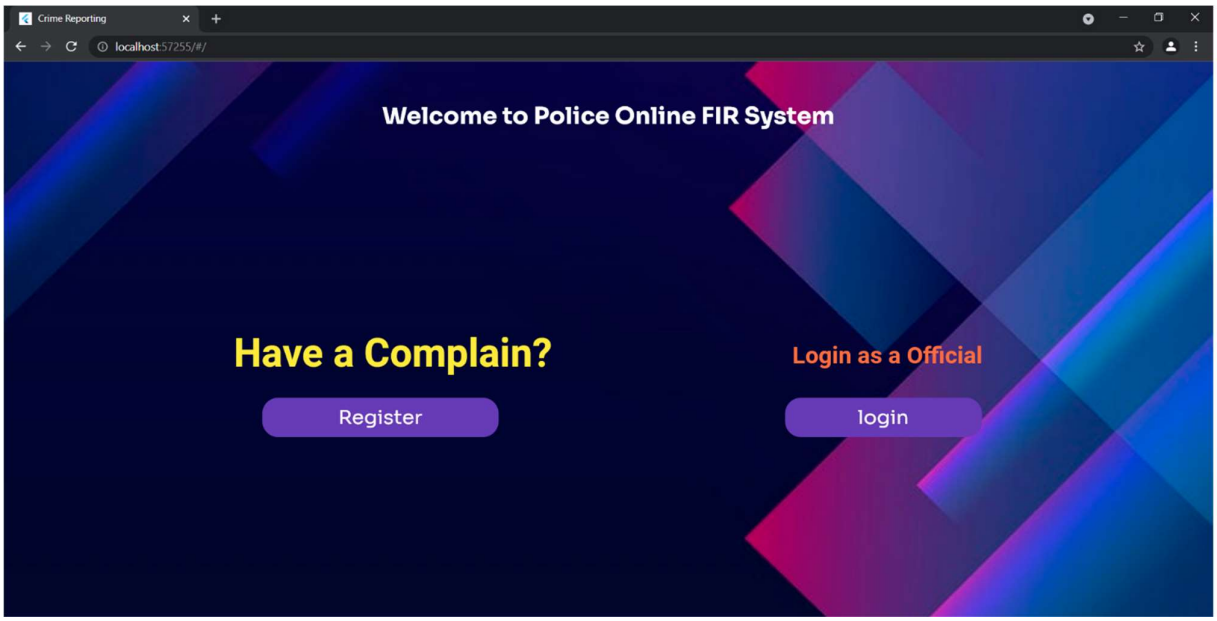
o MySQL and PHPMYADMIN

o Flutter and Dart

o TCP/IP Protocol suite.

8. NUMBER OF VIEWS

- **Administrative View**
- **User View**
- **Police Official view**



8.1 Administrative View

This view is designed for interacting with the absolute Metadata, which becomes the ultimate repository to maintain the consistency. This view is accessible only to registered administrators who are recognized by the Crime Reporting Portal.

This Module takes care of the responsibility of the major Table management for rooms data:

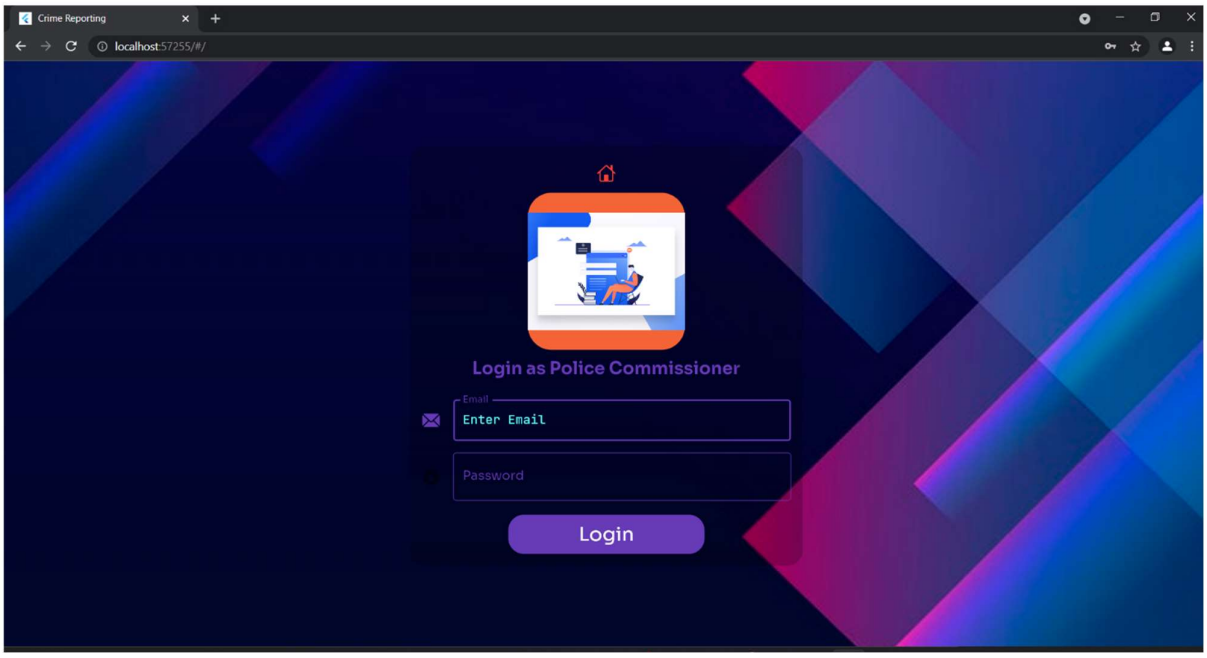
o Data Insertion

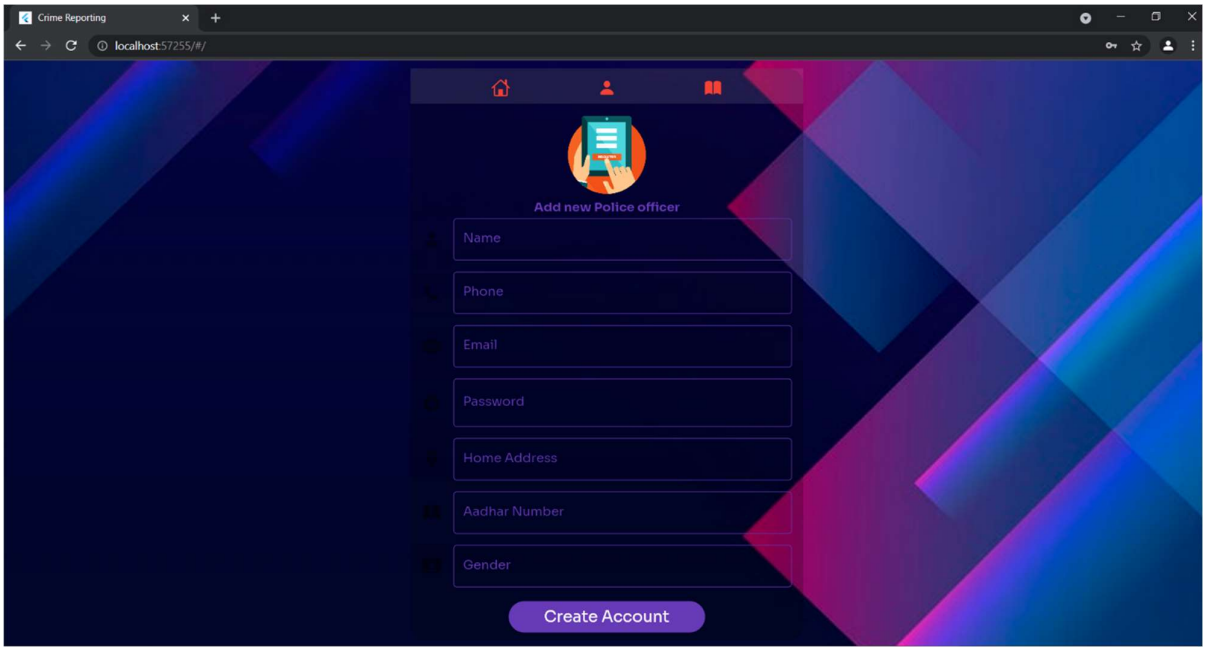
o Data Deletion

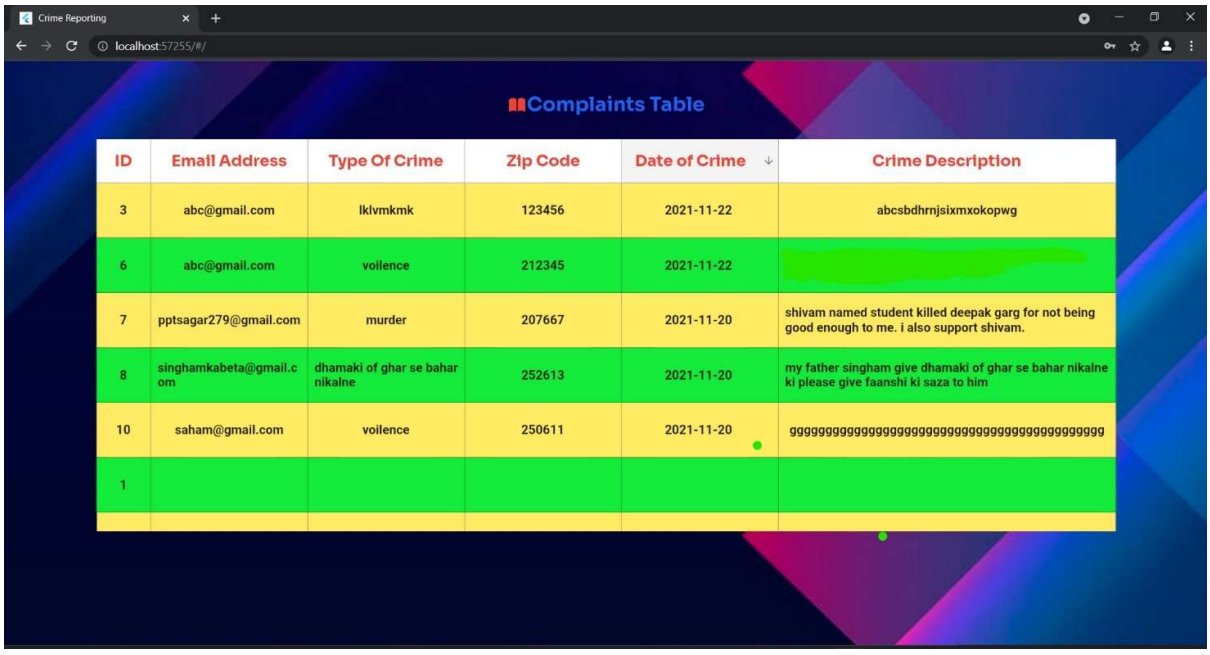
o Data Updating

o Data Selection

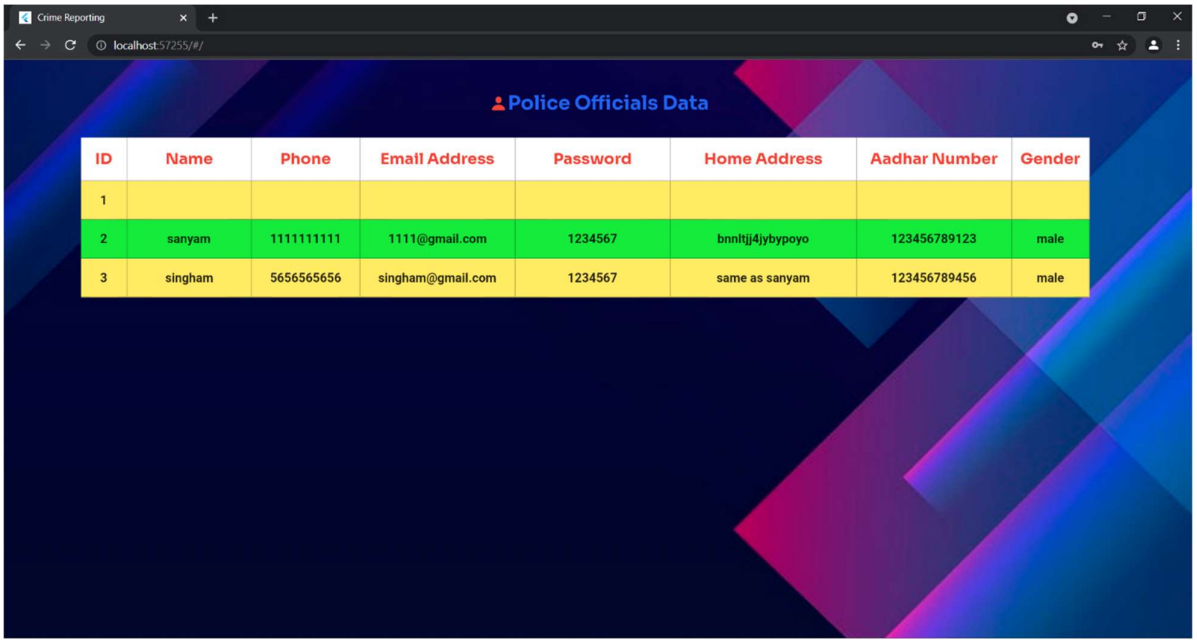
All the activities are validated and authenticated to proper profile to avoid unauthorized access.





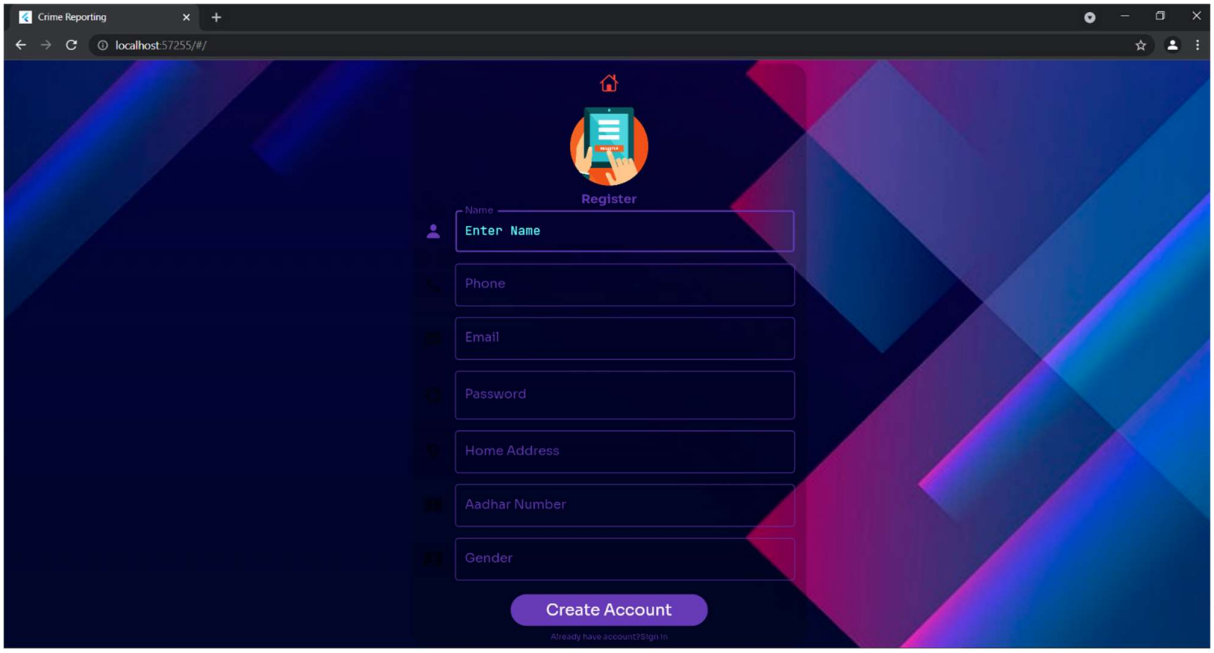


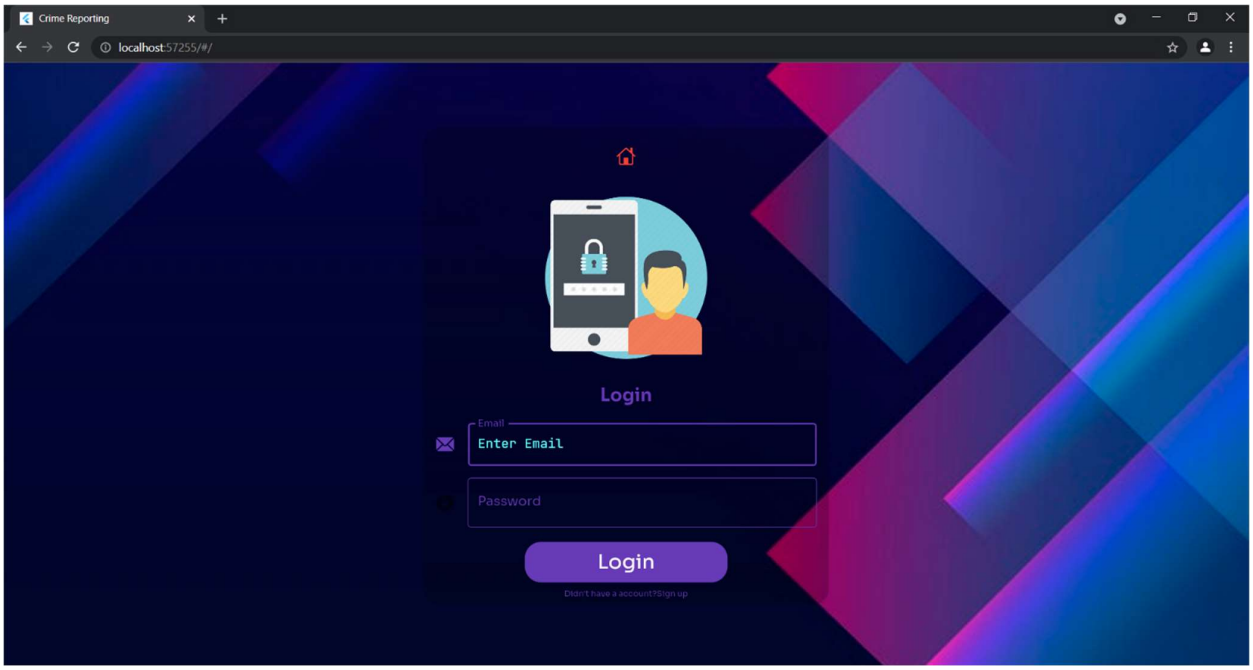
ID	Email Address	Type Of Crime	Zip Code	Date of Crime	Crime Description
3	abc@gmail.com	lklvmkmk	123456	2021-11-22	abcsbdhrnjsixmxokopwg
6	abc@gmail.com	voilence	212345	2021-11-22	
7	pptsagar279@gmail.com	murder	207667	2021-11-20	shivam named student killed deepak garg for not being good enough to me. i also support shivam.
8	singhamkabeta@gmail.com	dhamaki of ghar se bahar nikalne	252613	2021-11-20	my father singham give dhamaki of ghar se bahar nikalne ki please give faanshi ki saza to him
10	saham@gmail.com	voilence	250611	2021-11-20	gggggggggggggggggggggggggggggggggggggggggggg
1					

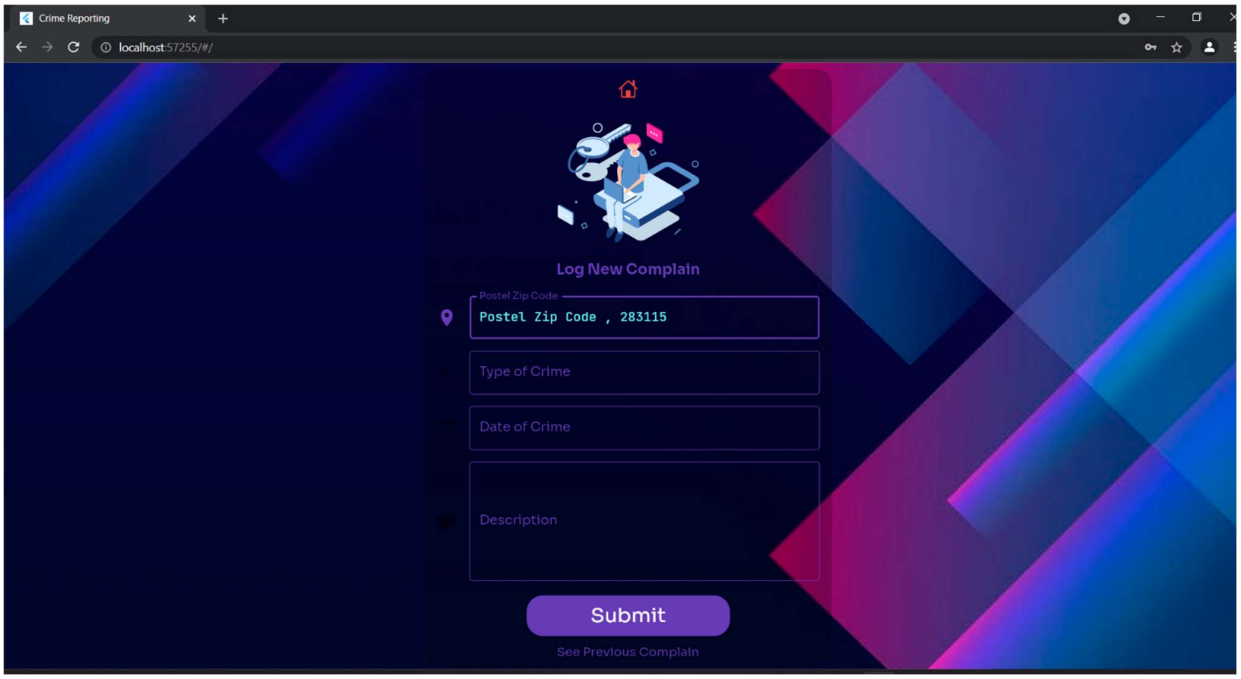


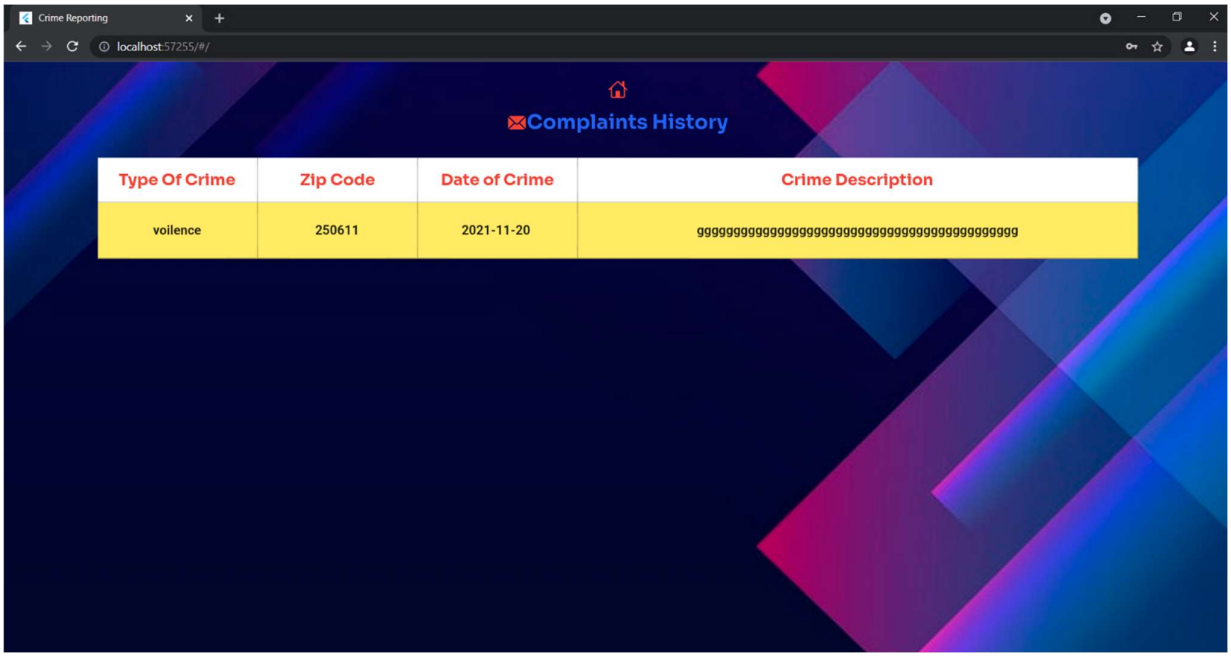
8.2 User View

In this view, victim can register complain about any crime and see the record of the previous complains registered by his/her.



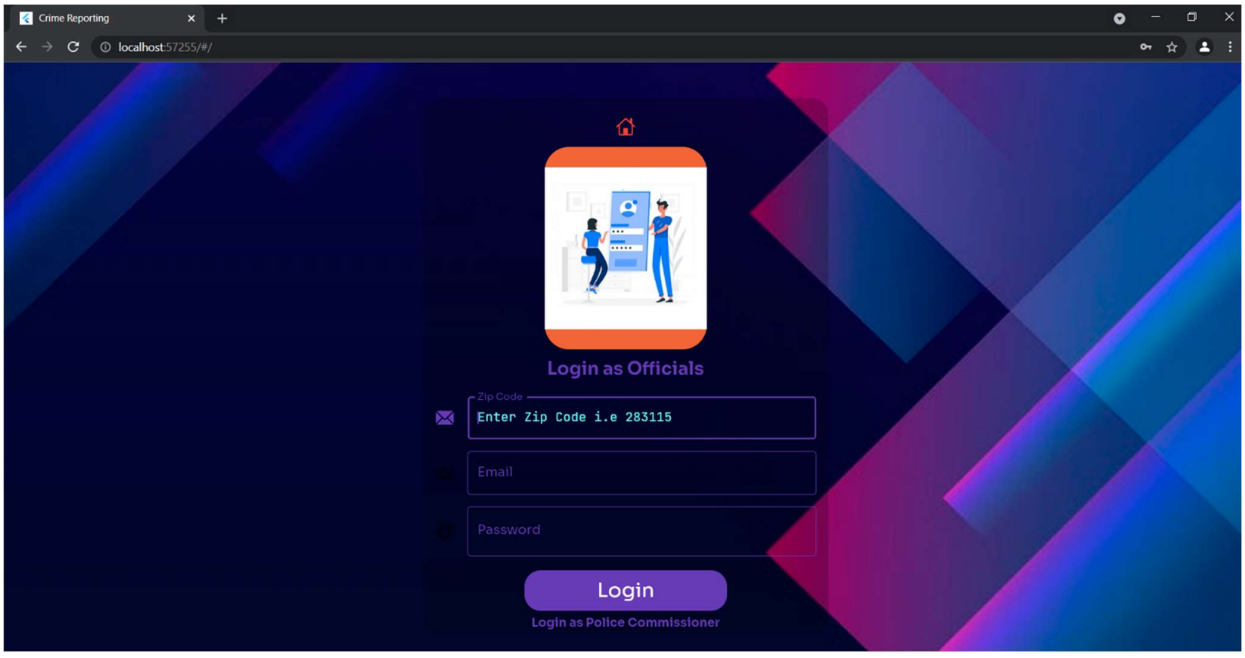

Crime Reporting
localhost:57255/#/
Login
Email
Enter Email
Password
Login
Didn't have a account?Sign up

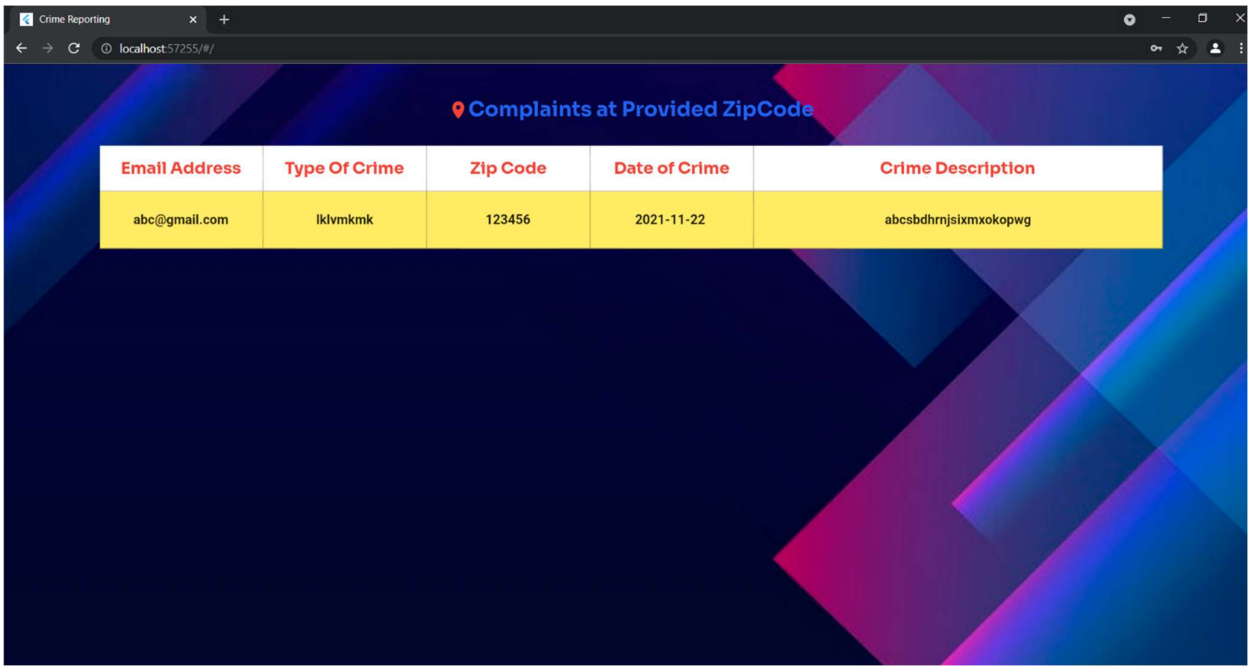

Crime Reporting
localhost:57255/#/
Log New Complain
Postel Zip Code
Postel Zip Code , 283115
Type of Crime
Date of Crime
Description
Submit
See Previous Complain



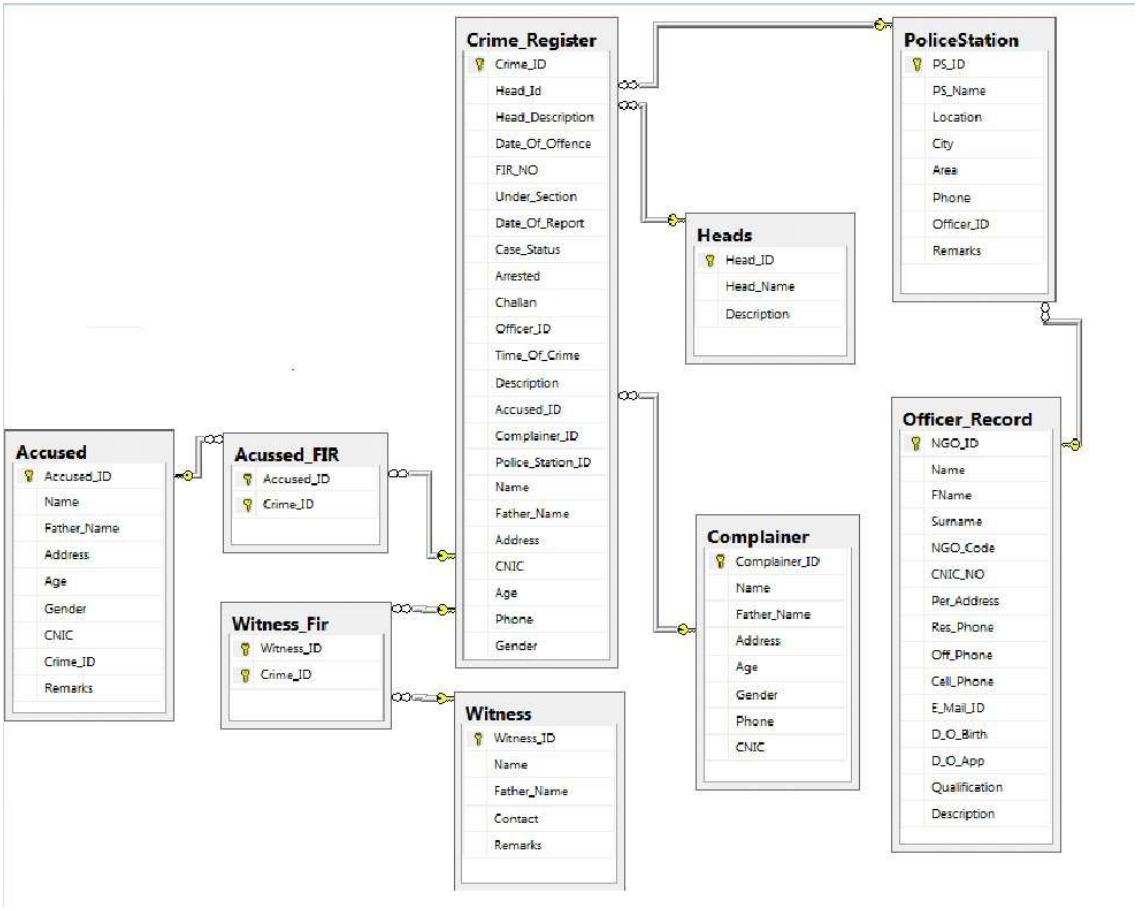
8.3 Police Official view

In this, Police official can view and manage the data of registered complain of every victim.




Crime Reporting
localhost:57255/#/
Complaints at Provided ZipCode
Email Address
Type Of Crime
Zip Code
Date of Crime
Crime Description
abc@gmail.com
lklvmkmk
123456
2021-11-22
abcsbdhrnjsixmxokopwg

9. E/R Diagram



10. Conclusion

- So the outcome of all the the hard work done for crime reporting system is here. It is a software which helps the user to work with the prisons and crimes easily.

- This software reduces the amount of manual data entry and gives greater efficiency. The User Interface of it is very friendly and can be easily used by anyone. It also decreases theamount of time taken to write FIR details and other modules.

- The crime reporting system needs to embrace these new technologies. This report has presented a simple, convenient, cost-effective, but efficient online crime reporting systemwith a user-friendly, sensitive and intelligible web interface.

- At the end, we can say that this software is performing all the tasks accurately and is doingthe work for which it is made.

- GitHub source Code :- https://github.com/Shivam10025/onlinecrimereportingsystem