User Experience Design Project Report

On

Online Crime Reporting System

Developed By: -
Yuraj Jadav (20162171008)
Jay Kumar Sapra (20162171009)
Kushlendra Singh (20162171010)

Guided By: -
Prof. Bhavesh Jain (Internal)

Submitted to

Department of Computer Science & Engineering
Institute of Computer Technology

Year: 2022

CERTIFICATE

This is to certify that the **User Experience Design** Project work entitled **"Online Crime Reporting System"** by Yuraj Jadav (Enrolment No. 20162171008), Jay Kumar Sapra (Enrolment No. 20162171009) and Kushlendra Singh (EnrolmentNo. 20162171010) of Ganpat University, towards the partial fulfillment of requirements of the degree of Bachelor of Technology – Computer Science and Engineering, carried out by them in the CSE(CBA/BDA/CS). The results/findings contained in this Project have not been submitted in part or full to any other University / Institute for award of any other Degree/Diploma.

Name & Signature of Internal Guide

Name & Signature of Head

Place: ICT - GUNI

Date:

ACKNOWLEDGEMENT

User Experience Design project is a golden opportunity for learning and self-development. I consider myself very lucky and honored to have so many wonderful people lead me through in completion of this project. First and foremost, I would like to thank Dr. Hemal Shah, Principal, ICT, and Prof. Dharmesh Darji, Head, ICT who gave us an opportunity to undertake this project. My grateful thanks to Prof. Bhavesh Jain (Internal) for their guidance in project work Predicting Application Rating of Google Play Store, who despite being extraordinarily busy with academics, took time out to hear, guide and keep us on the correct path. We do not know where would have been without his/her help. CSE department monitored our progress and arranged all facilities to make life easier. We choose this moment to acknowledge their contribution gratefully.

Yuraj Jadav (Enrolment No. 20162171008))

Jay Kumar Sapra (Enrolment No. 20162171009)

Kushlendra Singh (EnrolmentNo. 20162171010)

ABSTRACT

Nowadays, much of the crimes committed were unreported to the authorities. Given this fact, the study presents the development of a Crime Management and Reporting System through online and even offline and at the same time is the active participation of the citizens. The idea draws its motivation from the inconvenience of going to the police station and personal belief of the weak investigative capabilities of the authorities to resolve petty crimes and limited spreading of crime information to the community. The project specifically looks into the crime detection and prevention. This study aims to provide an overview of the investigative process and, in doing so, identify effective and efficient approaches to the investigation and detection of the volume of crimes. The review is particularly aimed to highlight the research evidence those investigative practices and actions that are likely to lead to a positive outcome. The development of software includes the process of brainstorming and planning, requirements analysis, system analysis and designs, implementation and testing, deployment, and maintenance. The criteria of evaluation of software quality were adapted in ISO/IEC 25010:20011. This also shows that distance is also a factor that influences greatly how crimes are being handled with many crimes going unreported as a result. Crime Management and Reporting System would really help the complainant and the authority to communicate privately and easily with regards to the reported issue. In addition, it would be easier for the complainant to report a witnessed crime without the fear of getting involved in the problems because of the security that the only authorized user can see the report. Verification using Biometric is highly recommended to enhance the security of data stored in the system. This increases the restriction on access to the system, thus unauthorized users have no access to the system.

Keywords: Biometric, crime management, online, reporting system, software quality

TABLE OF CONTENT

Title			Page No.
	Title Page		I
	Acknowledgment		II
	Table of Content		III
1.	**Introduction**		1
	1.1	Project Summary	1
	1.2	Project Scope	2
	1.3	Objective	2
	1.4	Literature Review/Background Study	2
2.	**System Requirement Study**		3
	2.1	Hardware and Software Characteristics	3
3.	**System Analysis**		4
	3.1	Study of Current System and Requirement of this System	5
	3.2	Data Dictionary	6
	3.3	Modules and Their Description of System	7
4.	**System Design**		8
	4.1	Design Pseudocode or Algorithm for Method or Operation	9
	4.2	Flow Chart Diagram	10
5.	**Screenshots**		11
	5.1	Frontend/Client/End User Side Screenshots	12
	5.2	Backend/Admin Side Screenshots	13
	5.3	Other Screenshots	
6.	**Conclusion And Future Work**		14
	REFERENCES		

Chapter 1

Introduction

1.1 Project Summary

In the modern world, the use of computers and Mobile phones are becoming rampant. More so, recent developments in ICT Industries has revolutionized and consequently brought about a paradigm shift in the way activities are accomplished. As a result of the crime reporting system needs to embrace these new technologies. This report has presented a simple, convenient, cost-effective, but efficient online crime reporting system with a user-friendly, sensitive and intelligible web interface. Whereby it can be accessed at any time provided there is an internet connection.

1.2 Project Scope

This website provides an architectural overview of crime management. This web site is generic. A web-based tool that enables the user to manage the crime on tasks completed as part of a project with tasks and sub-tasks. The tool includes interactivity, Functionality, Information will be stored into a database. Administrative and managerial functions will be provided including configuration projects/tasks/subtasks.

1.3 Objective

The main objective of the Online Crime Reporting System is to manage the details of Crime, Criminal, Public, Solutions, Department. It manages all the in-formation about Crime, Complaint, Department, Crime. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Crime, Criminal, Complaint, Public. It tracks all the details about the Public, Solutions, Department.

1.4 Literature Review/Background Study

Chapter 2

System Requirement Study

2.1 Hardware and Software Characteristics

HARDWARE

Processor	AMD RYZEN 5
RAM	8 GB
HDD	1 TB HDD/SSD

SOFTWARE

OPERATING SYSTEM	WINDOW 10
SOFTWARE	• ECLIPSE IDE • MYSQL WORKBENCH • ADOBE DREAMWEAVER • VISUAL STUDIO CODE • POSTMAN
PROG-LANGUAGES	• HTML/CSS/JAVASCRIPT • BOSTSTRAP 5 • JAVA BASICS • JDBC • SERVLET • JSP • THEAMLEAF • SPRING BOOT • SPRING SECURITY • SPRING MVC • HIBERNATE • STRUTS • JAVAX
OTHER TOOLS &TECH	• GOOGLE • NICEPAGE

Chapter 3

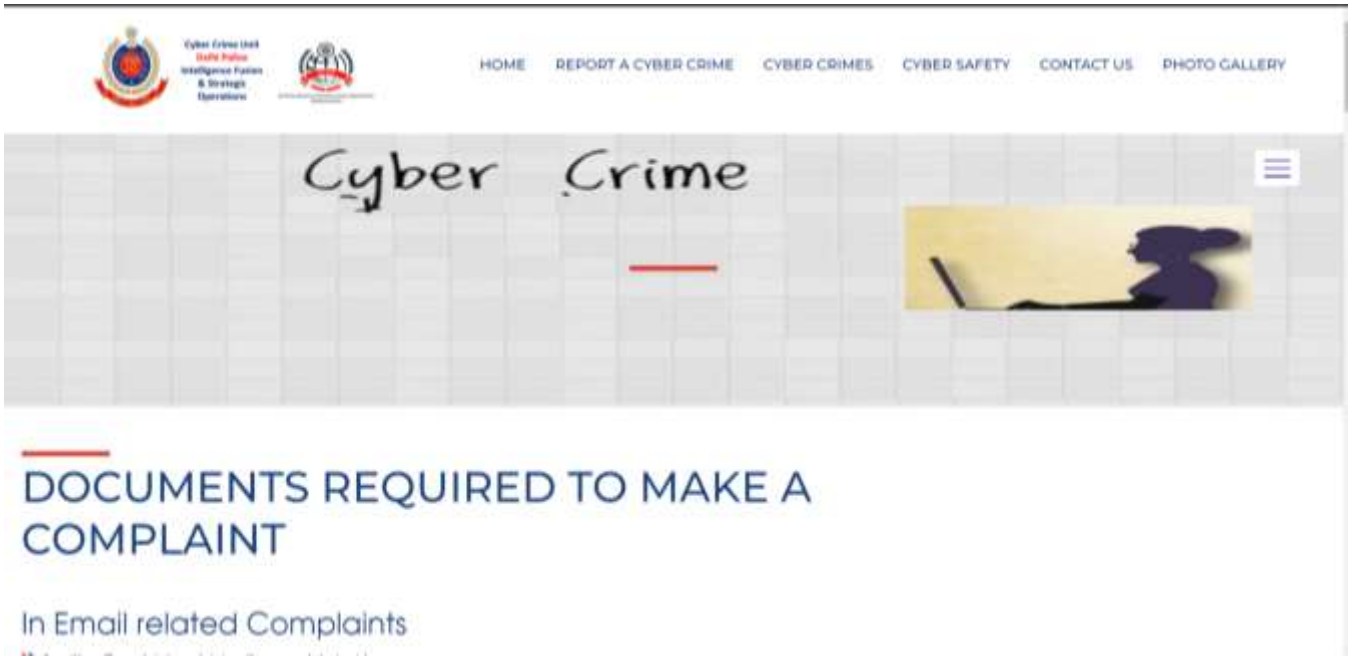
System Analysis

3.1 Study of Current System and Requirement of this System

3.1.1 Study of Current System

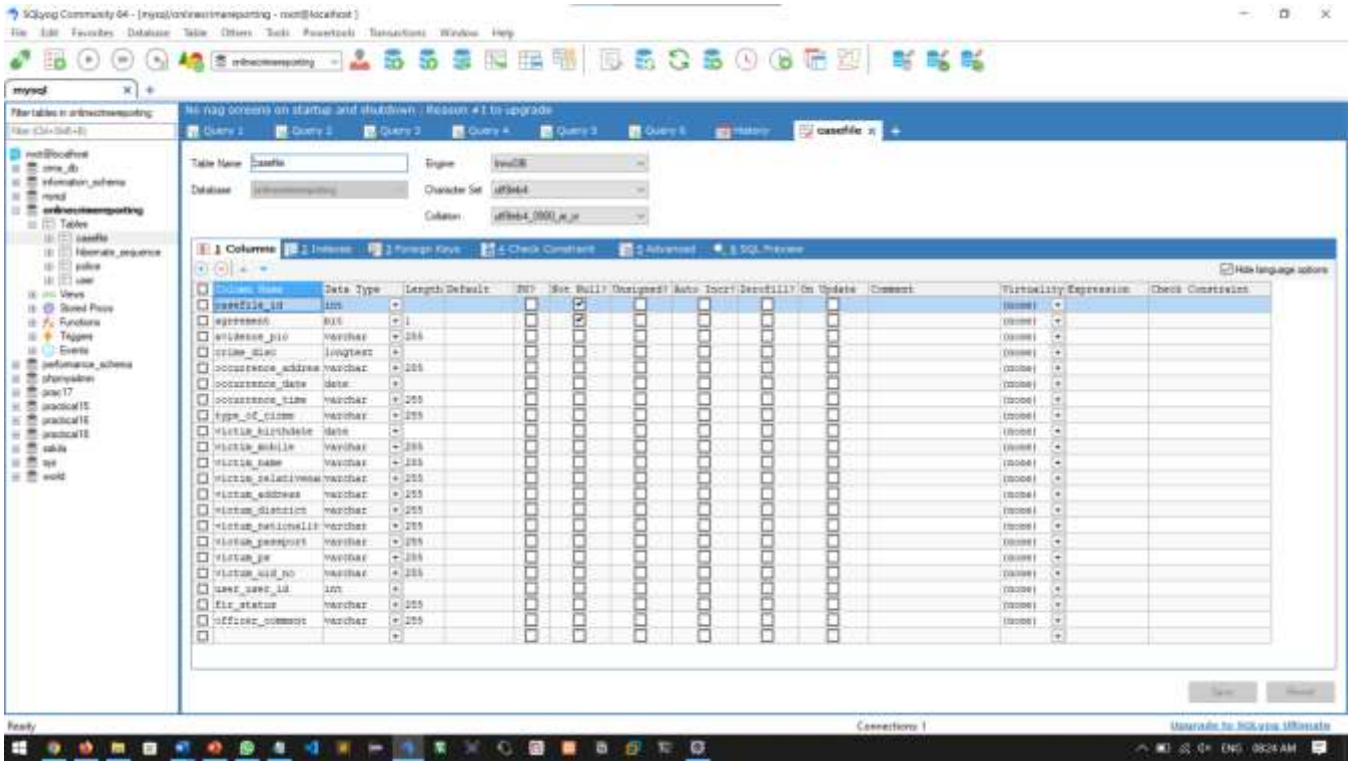
- This application does not allow users to recover their passwords.
- It is not going to allow users to ignore or remove their crime reports.
- It would also not allow changing in their profile.
- It is not fully secured as anyone can visit anyone's profile.

3.1.1 Study of Current System Sreenshots

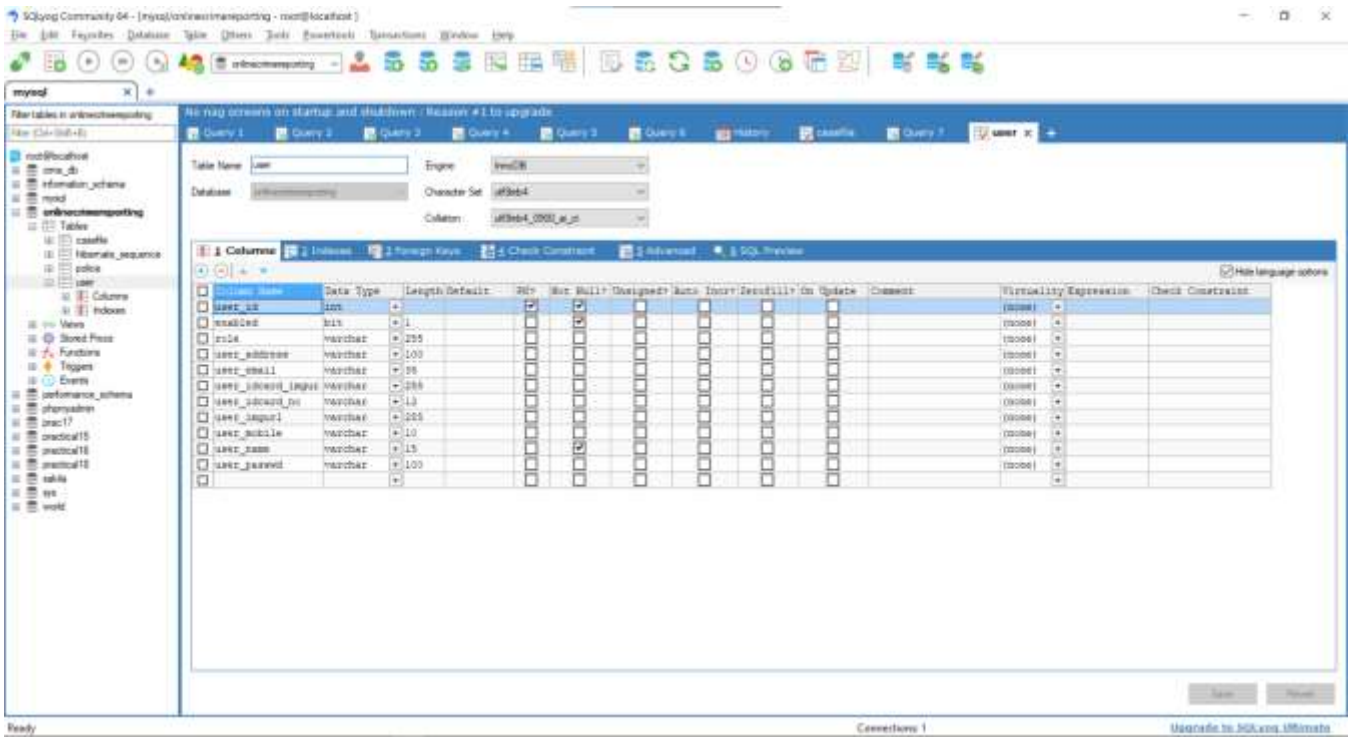


3.2 Data Dictionary

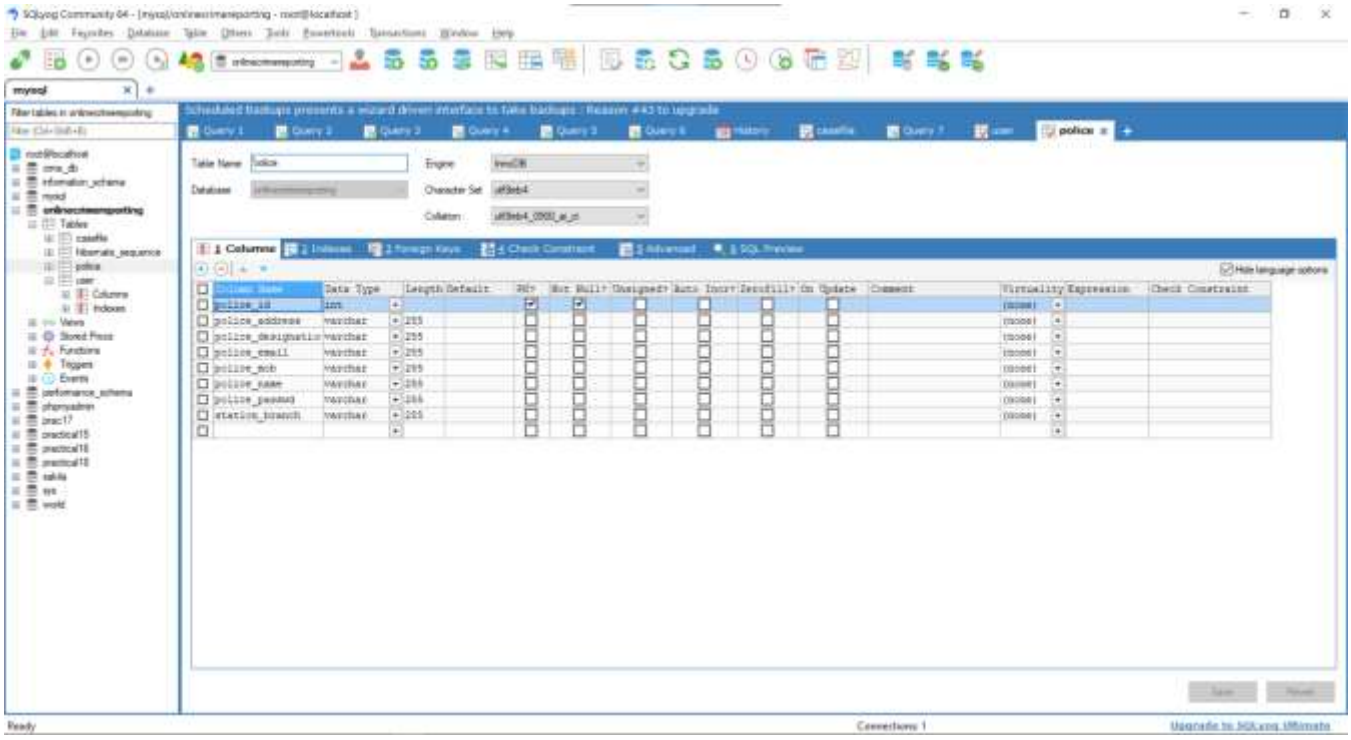
3.2.1 Casefile Data Table



3.2.2 User Data Table



3.2.3 Police Data Table



3.3 Modules and Their Description of System

TOTAL MODULE
LOGIN PAGE……1
MAIN PAGE……...2
ADMIN PAGE……3
USER PAGE……4
OFFICER PAGE……....……5

I. Login Page
- It is a basic login page where the user is allowed to access the webpage only if it's valid.
- And also we are filtering the admin and local user for more features availability(Admin Part)

II. Main Page
- The main page is divided into 3 main parts.
    1. Login User Details
    2. Question Writing Area/Text area
    3. Previous Question List

III. Admin Page
- All control of the webpage is available here from answering the question blocking user. And selecting teachers for each subject and semester.
    1. Add/Update/Display/Delete Police Officer(Police Station)
    2. Add/Update/Display/Delete Citizen(User)
    3. Update/Display/Delete Complaint
    4. View/Delete Complaints Status
    5. View/Delete Emergency Complaint
    6. View Query
    7. View Feedback

IV. User Page

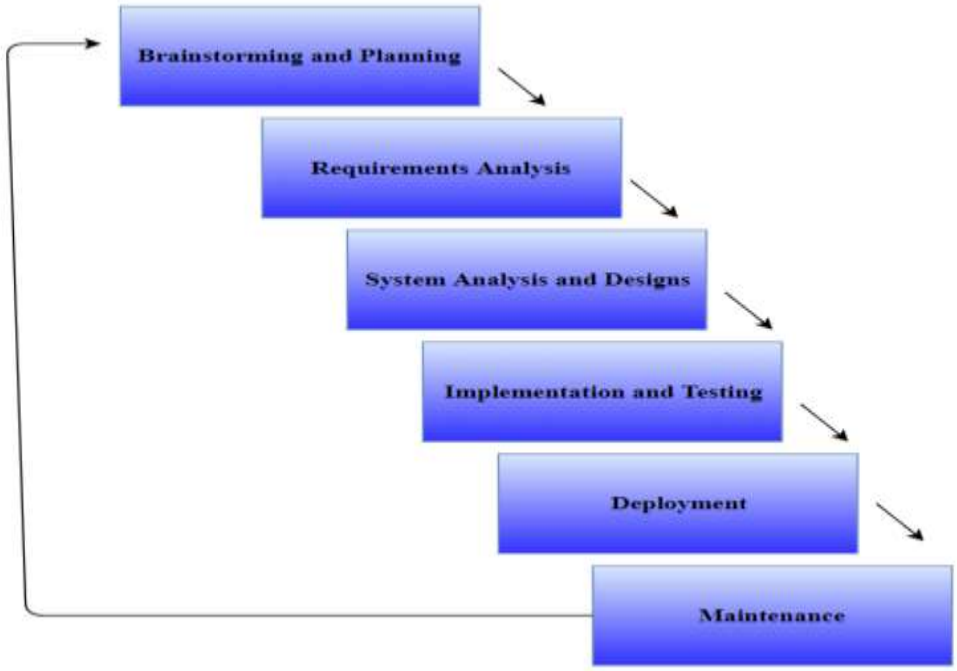
- The user can register himself and register fir and can update his profile and can track his fir status.

1. Registration and login page
2. Notify to your near police station
3. Awareness about cyber hygiene
4. Complain anonymously
5. Add/update/delate complains
6. Uploading system for files like photos, pdf, etc.
7. Proper guidance to problem solutions
8. Tracking to your complain

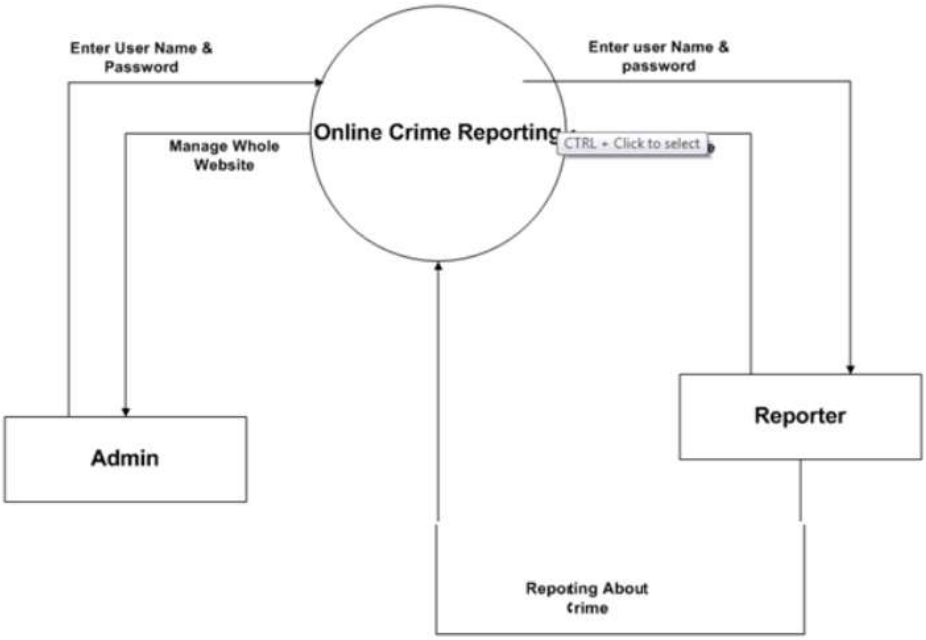
Chapter 4

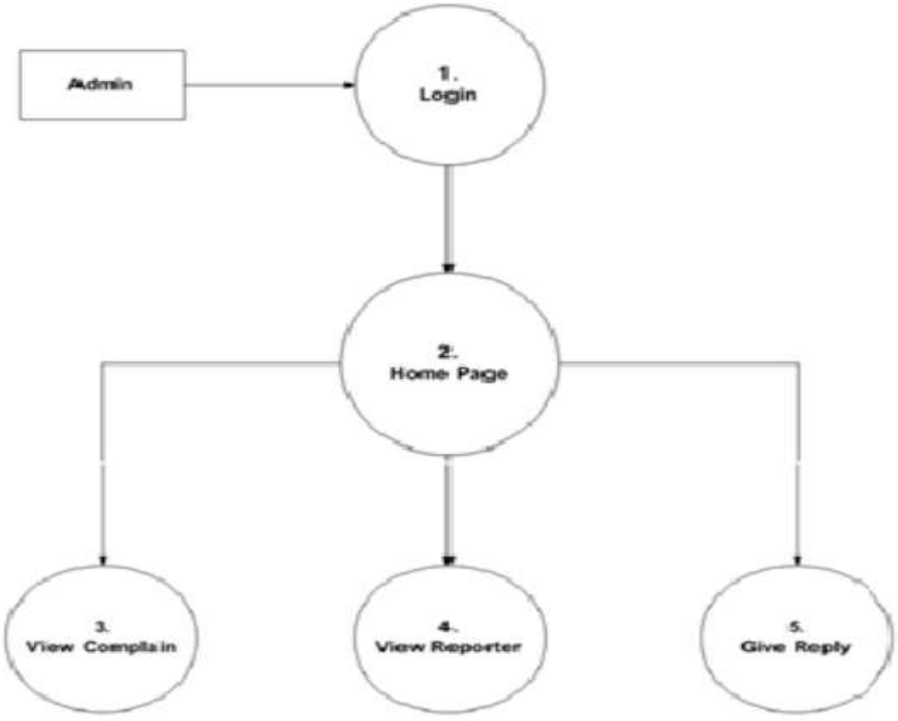
System Analysis

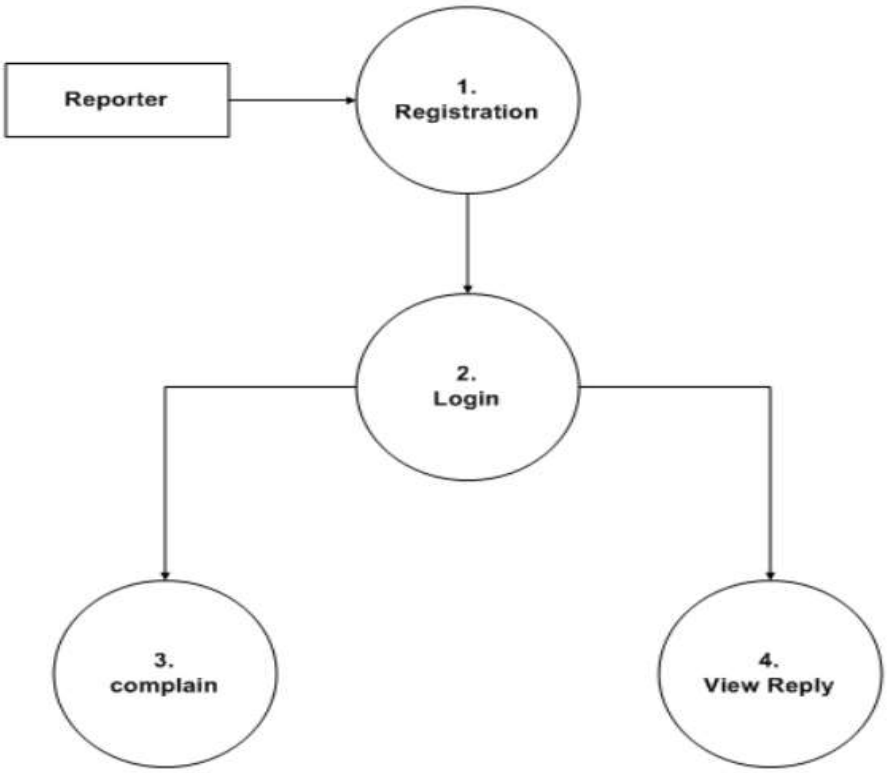
4.1 Design Pseudocode or Algorithm for Method or Operation

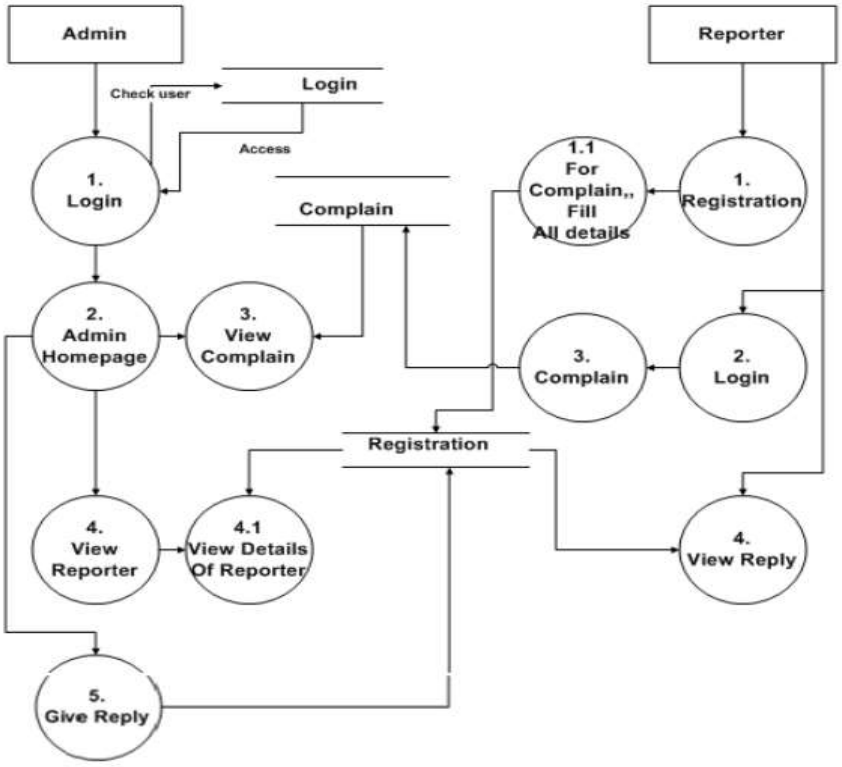


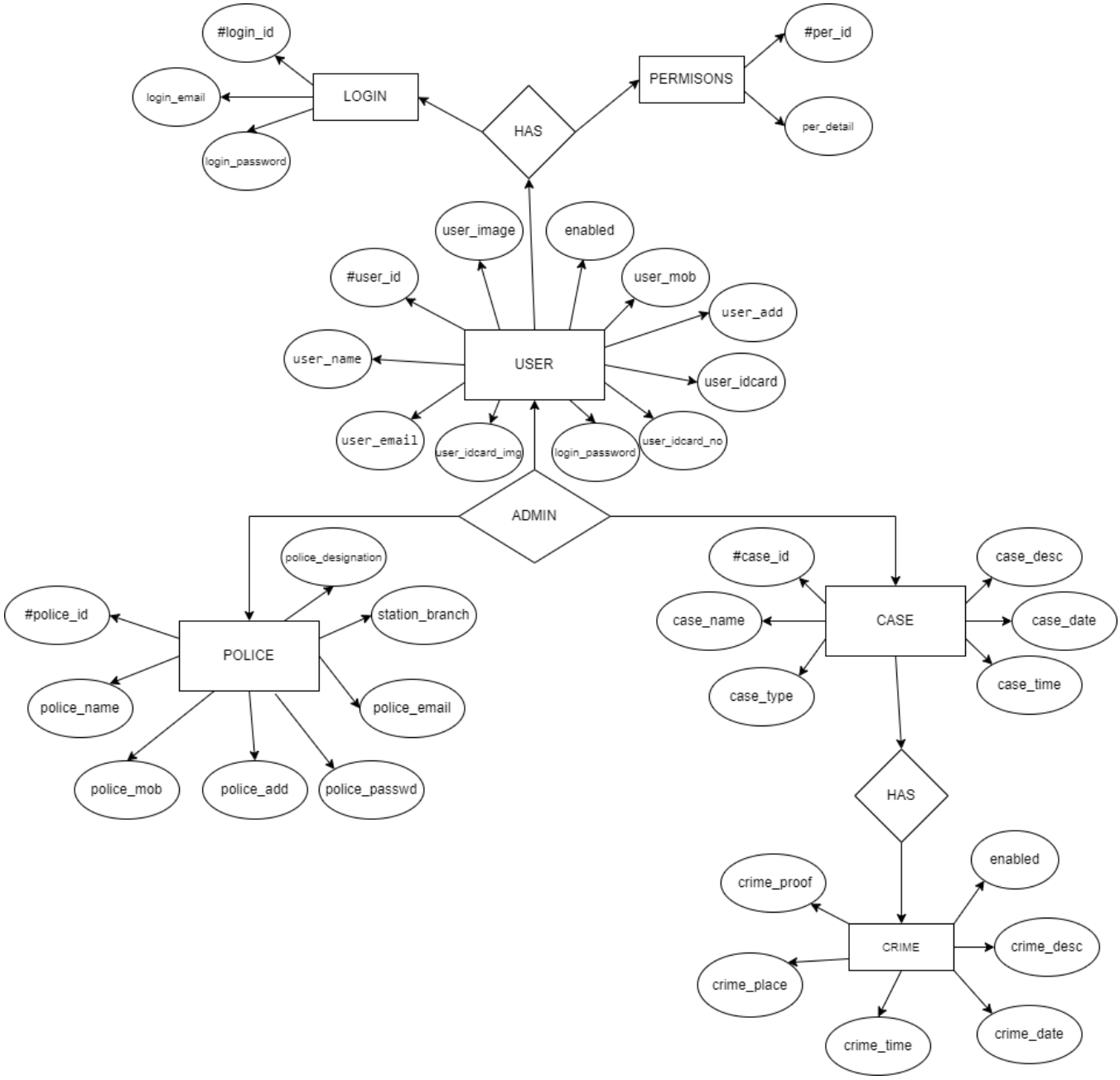
4.2 Flow Chart Diagram


Enter User Name &
Password
Enter user Name &
password
Online Crime Reporting
Manage Whole
Website
Admin
Reporter
Repoting About
Crime


Admin
1.
Login
2.
Home Page
3.
View Complain
4.
View Reporter
5.
Give Reply


Reporter
1.
Registration
2.
Login
3.
complain
4.
View Reply


Admin
Reporter
Check user
Login
Access
1.
Login
Complain
1.1
For
Complain,,
Fill
All details
1.
Registration
2.
Admin
Homepage
3.
View
Complain
3.
Complain
2.
Login
Registration
4.
View
Reporter
4.1
View Details
Of Reporter
4.
View Reply
5.
Give Reply

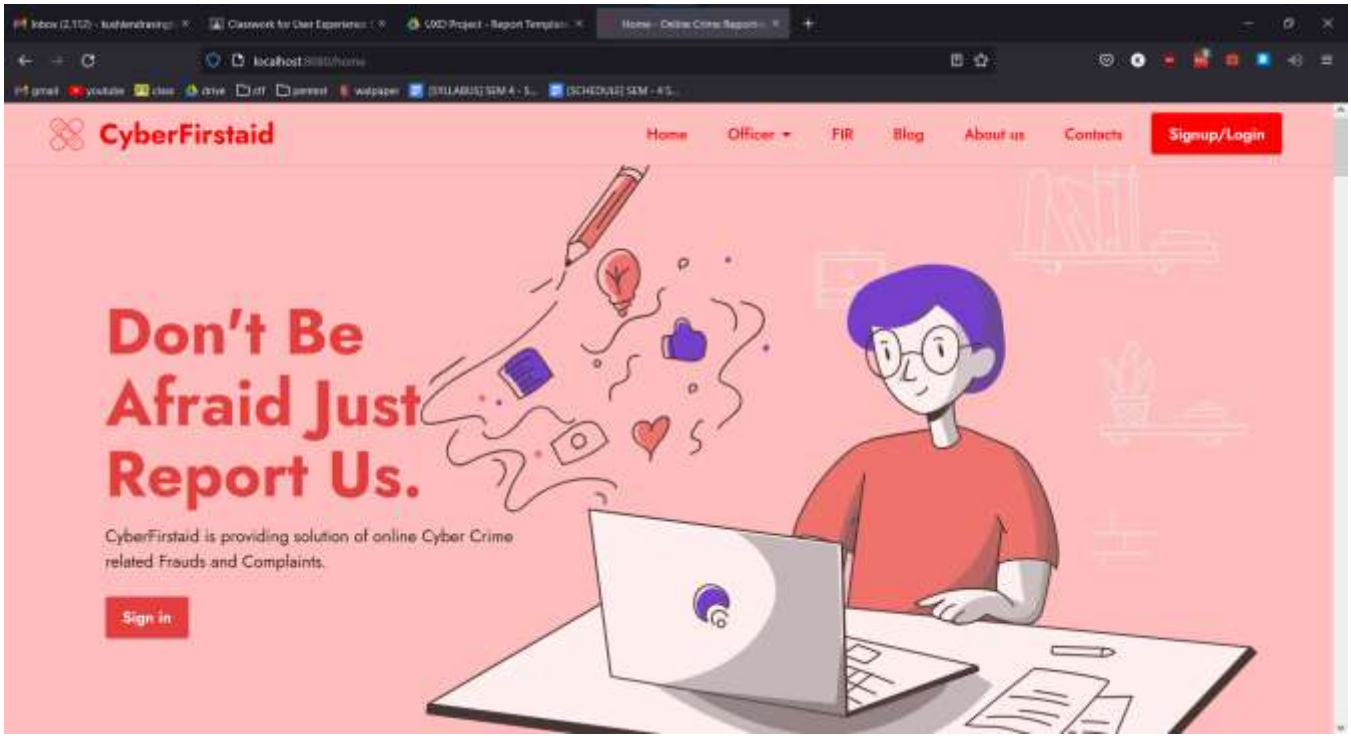

#login_id
login_email
LOGIN
login_password
HAS
PERMISONS
#per_id
per_detail
user_image
enabled
#user_id
user_mob
user_add
user_name
USER
user_idcard
user_email
user_idcard_img
login_password
user_idcard_no
ADMIN
police_designation
#police_id
station_branch
POLICE
police_name
police_email
police_mob
police_add
police_passwd
#case_id
case_desc
case_name
CASE
case_date
case_type
case_time
HAS
enabled
crime_proof
CRIME
crime_desc
crime_place
crime_time
crime_date

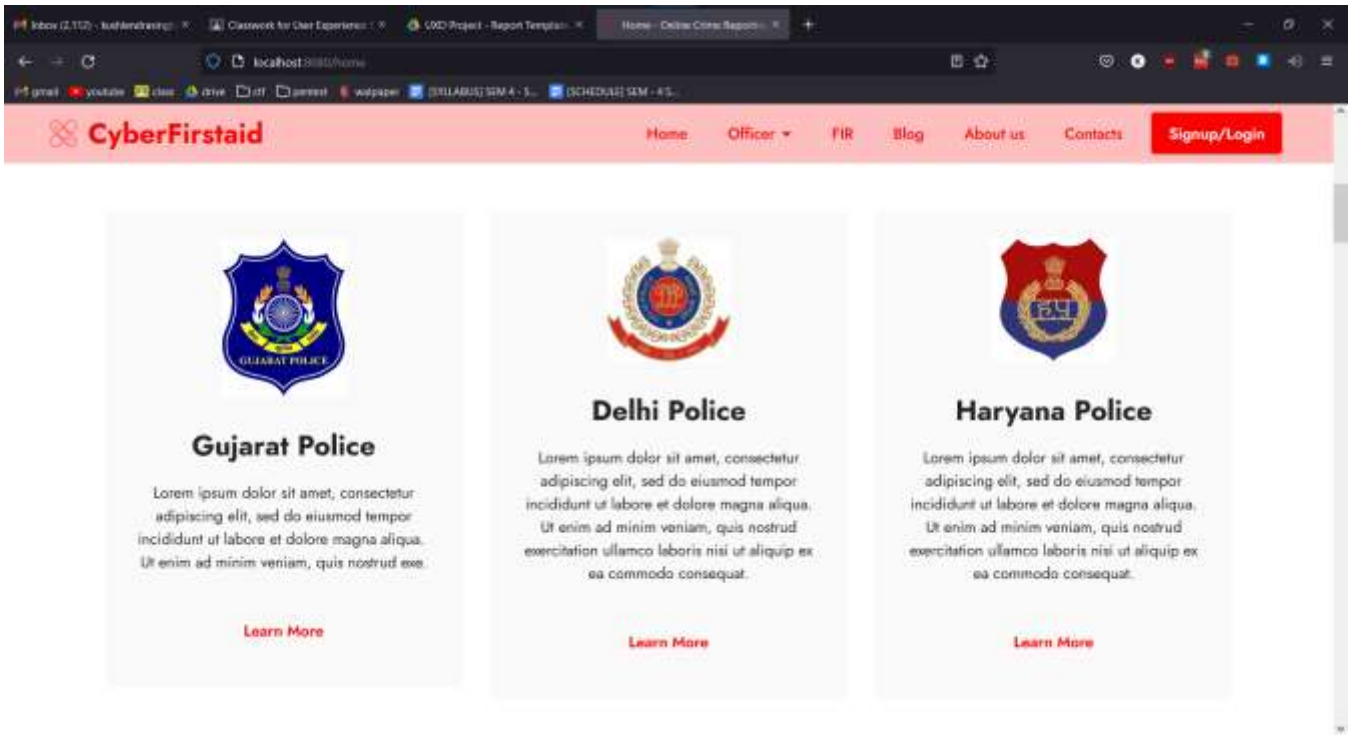
Chapter 5

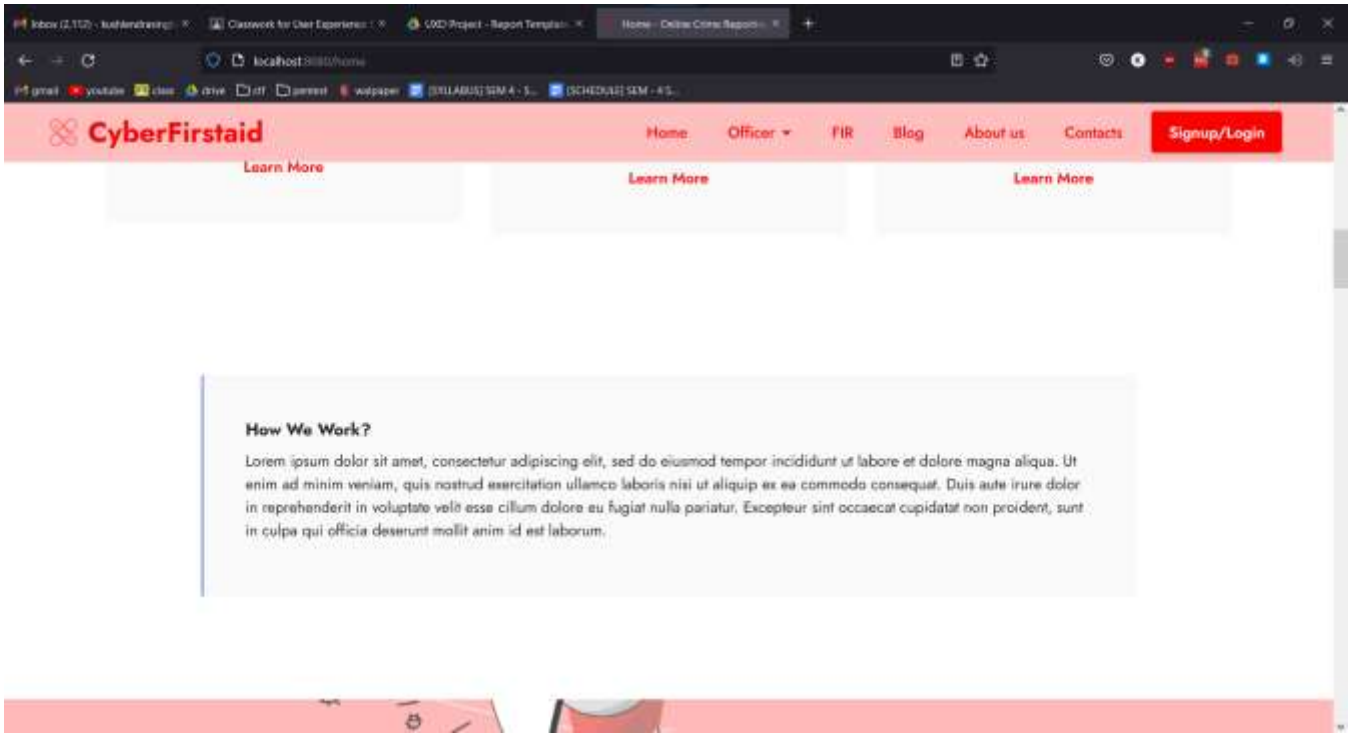
Screenshots

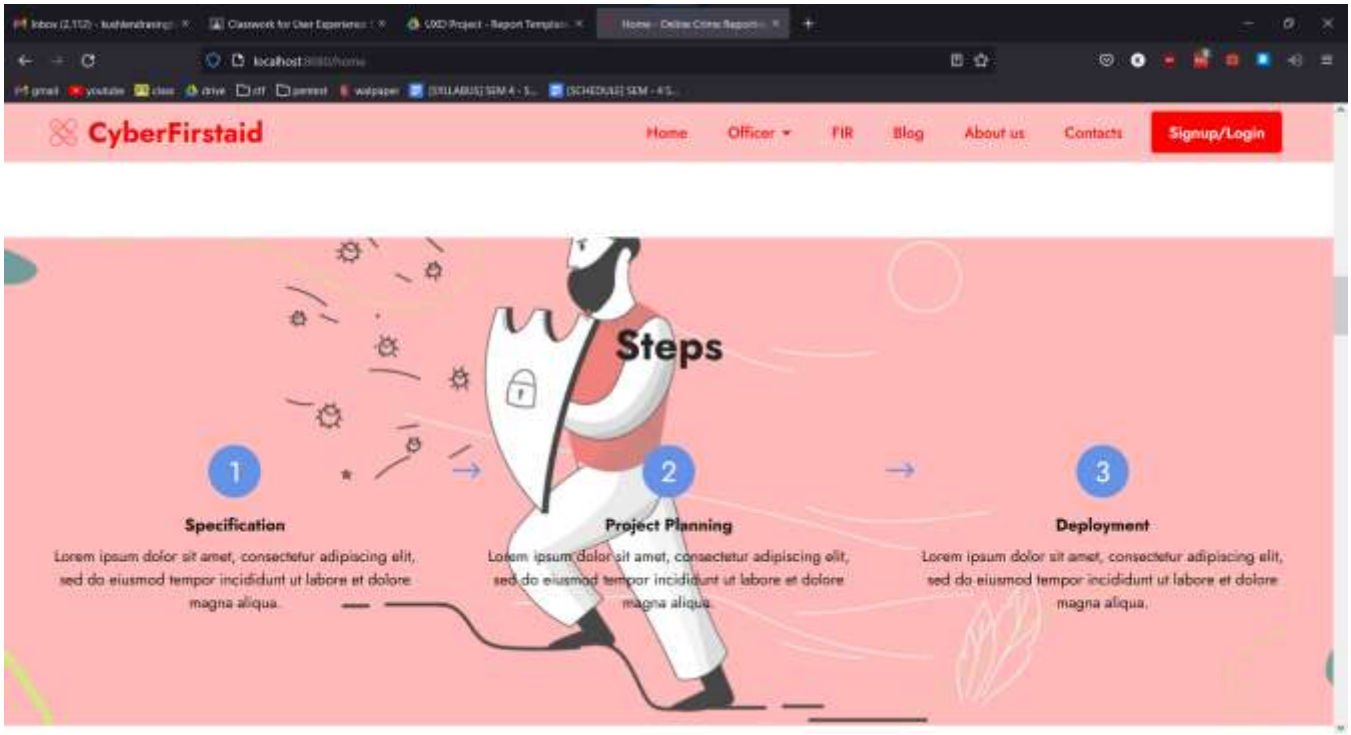
5.1 Frontend/Client/End User Side Screenshots

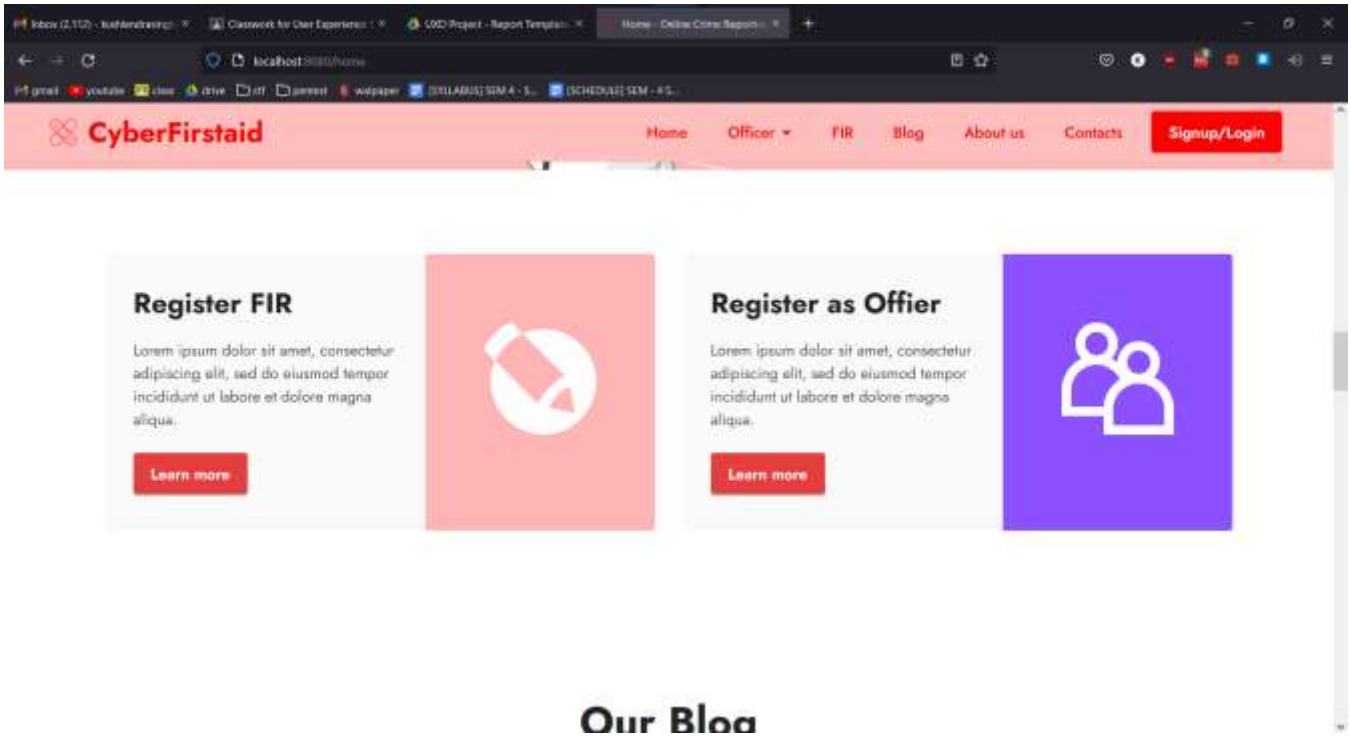
5.1.1 Home page





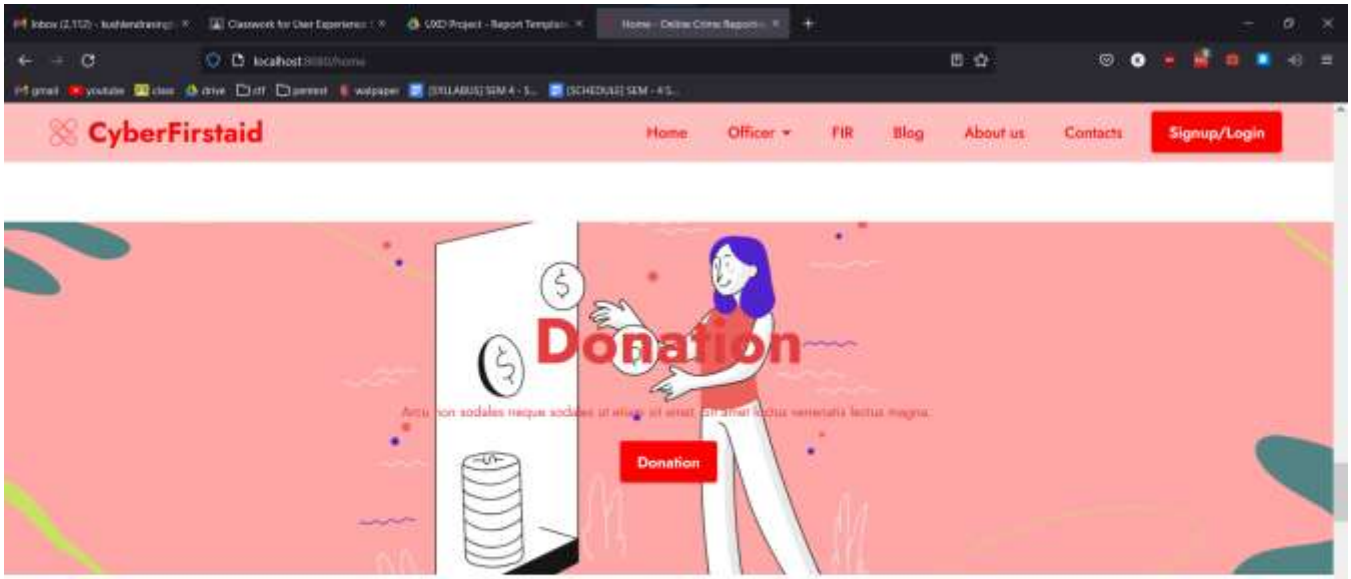

CyberFirstaid
Home
Officer
FIR
Blog
About us
Contacts
Signup/Login
Learn More
Learn More
Learn More
How We Work?
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.


CyberFirstaid
Home
Officer
FIR
Blog
About us
Contacts
Signup/Login
Steps
1
Specification
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
2
Project Planning
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
3
Deployment
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

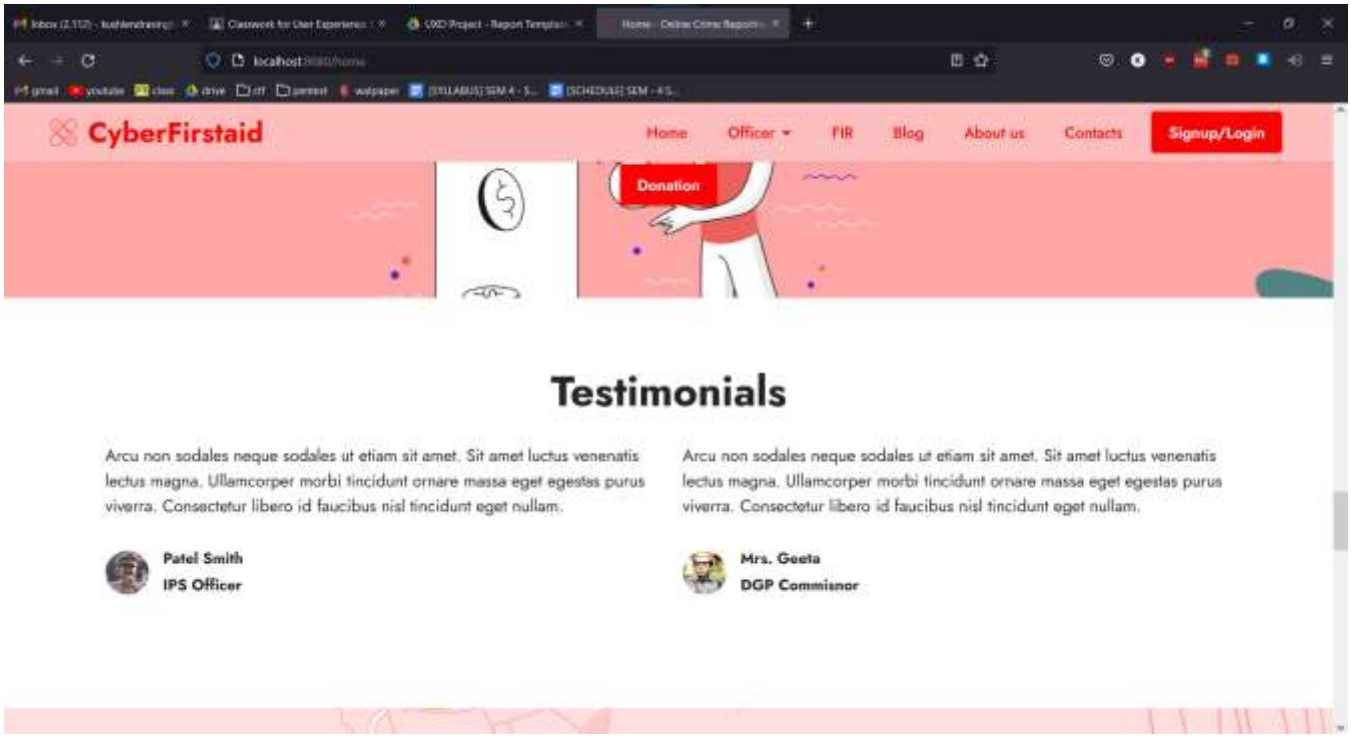

CyberFirstaid
Home
Officer
FIR
Blog
About us
Contacts
Signup/Login
Register FIR
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
Learn more
Register as Offier
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
Learn more

Our Blog

CyberFirstaid
Home
Officer
FIR
Blog
About us
Contacts
Signup/Login
Our Blog
Read the recent blog posts about Cyber Awerness
5 CYBER SECURITY TIPS
FOR WORKING FROM HOME
Easy and Simple
John Smith 10-10-2025
5 Cyber Security Tips
Ann Brown 09-09-2025
Boost Your Rank
Jessica Doe 08-08-2025



Testimonials



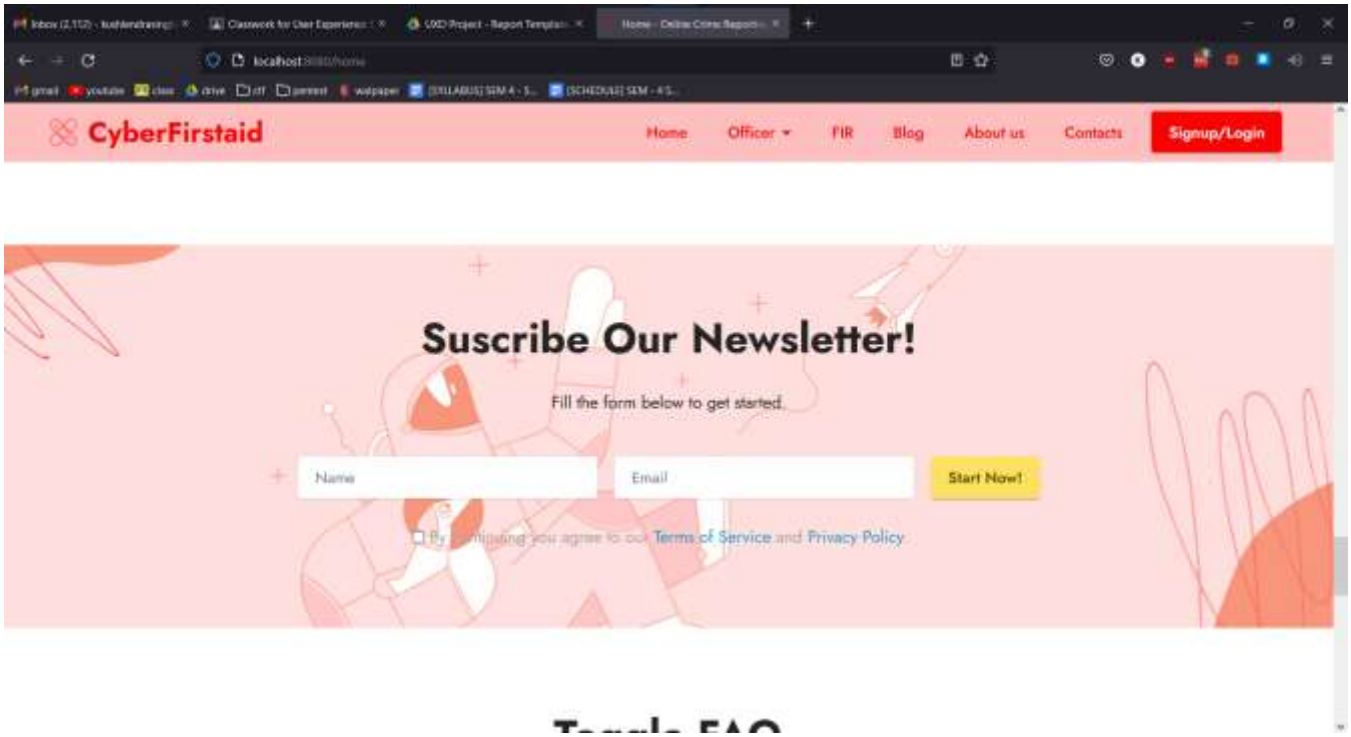
Testimonials

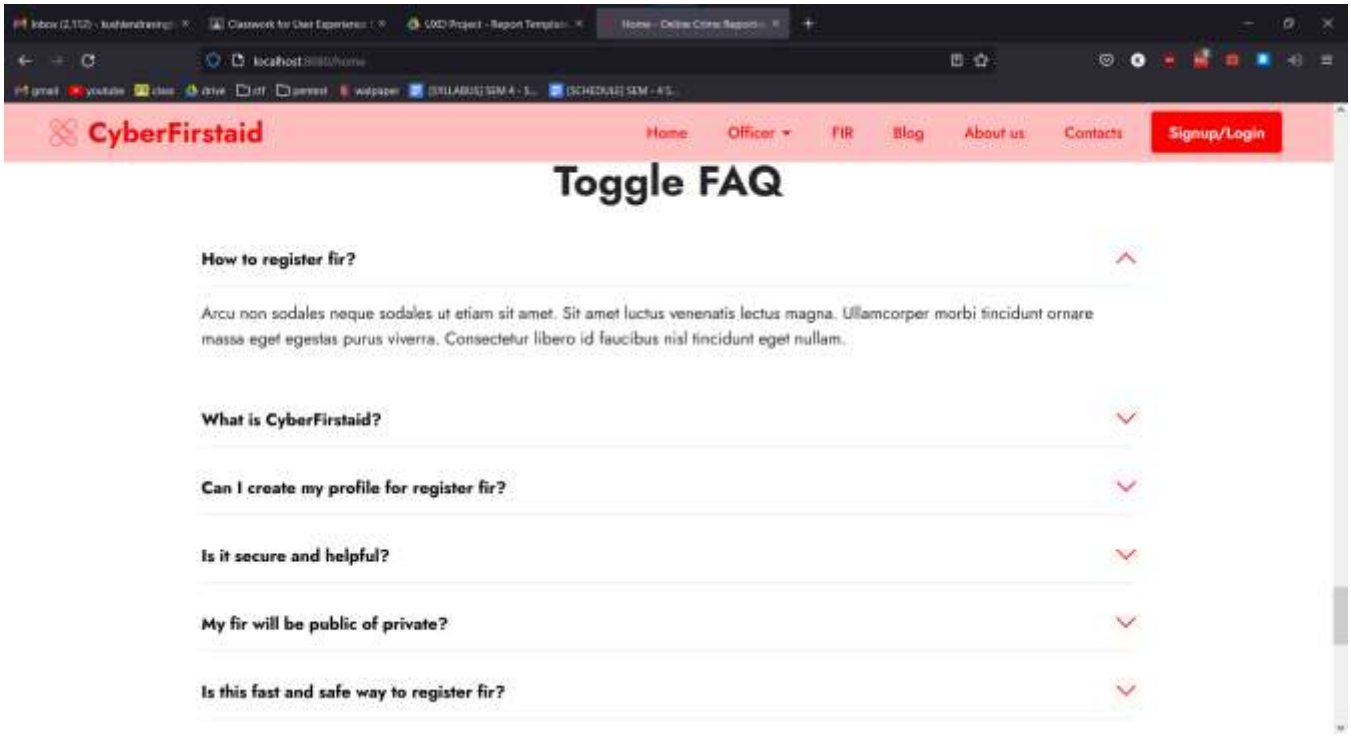
Arcu non sodales neque sodales ut etiam sit amet. Sit amet luctus venenatis lectus magna. Ullamcorper morbi tincidunt ornare massa eget egestas purus viverra. Consectetur libero id faucibus nisl tincidunt eget nullam.

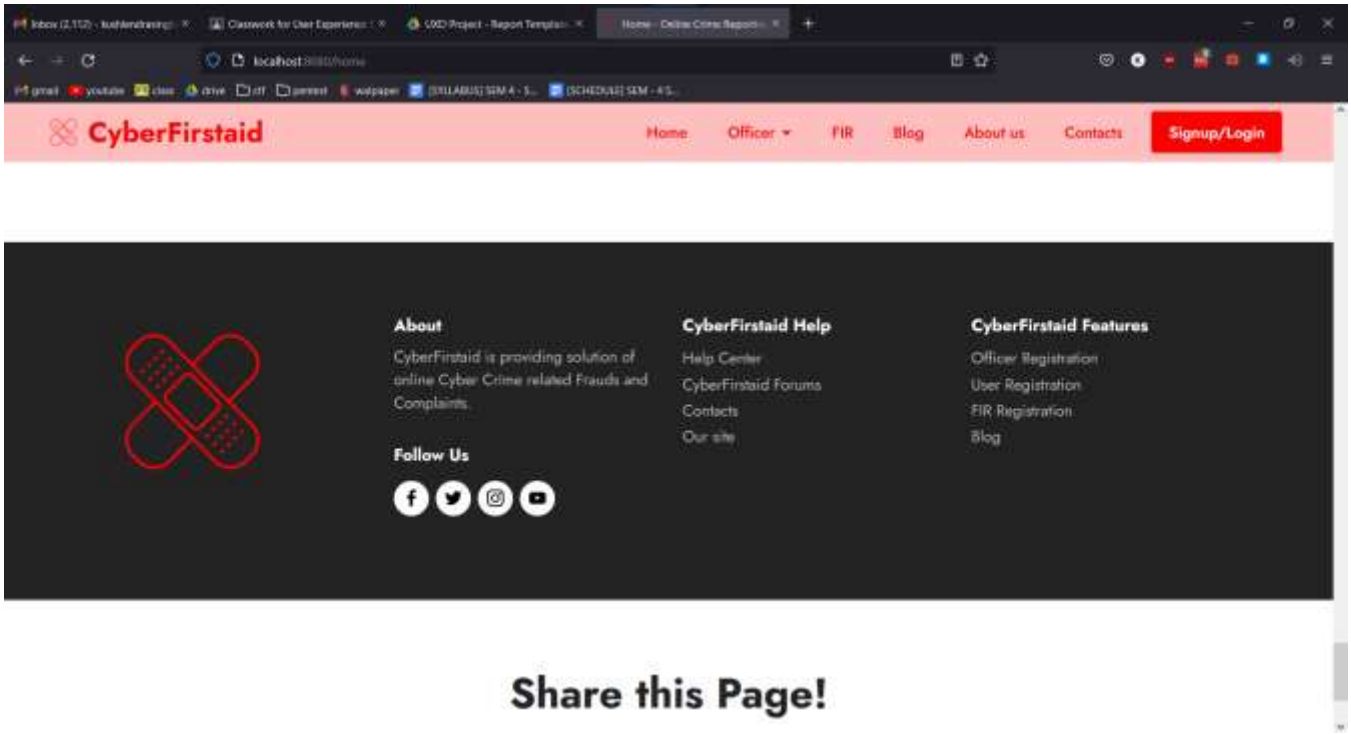
Patel Smith
IPS Officer

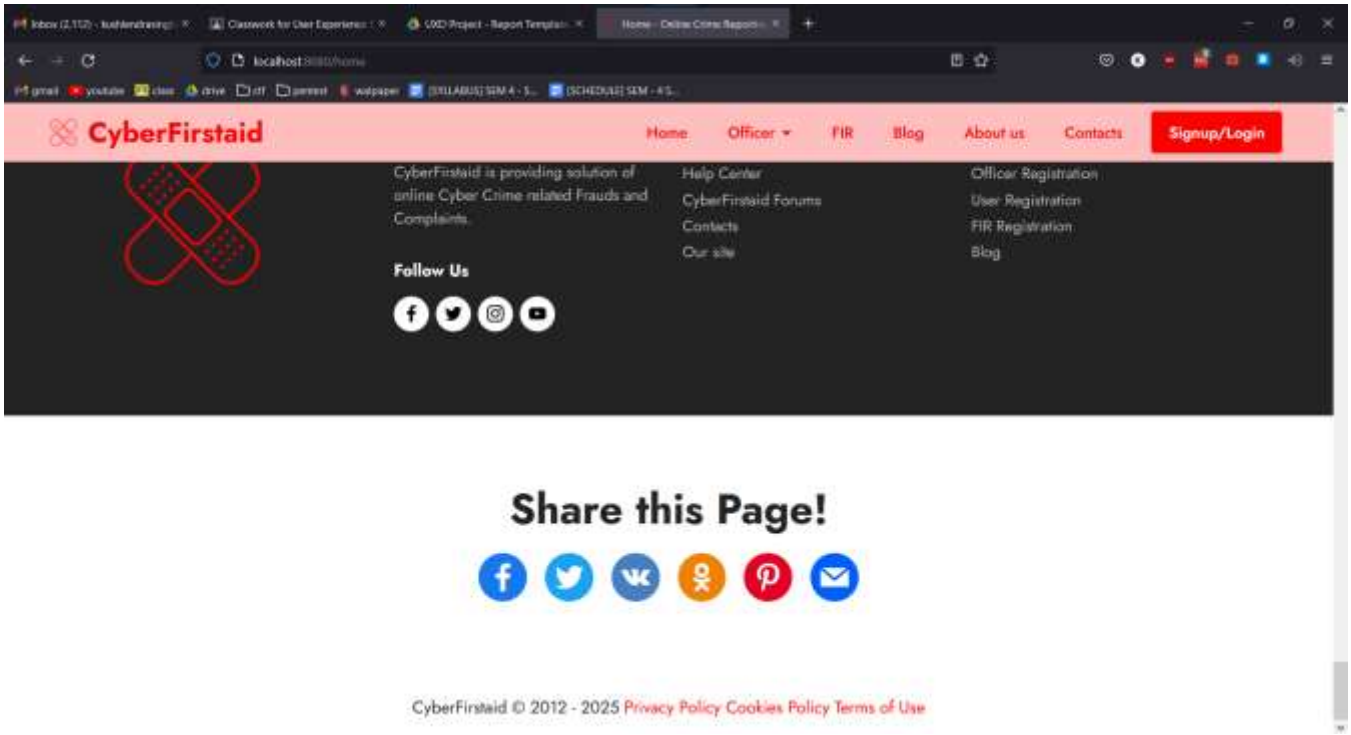
Arcu non sodales neque sodales ut etiam sit amet. Sit amet luctus venenatis lectus magna. Ullamcorper morbi tincidunt ornare massa eget egestas purus viverra. Consectetur libero id faucibus nisl tincidunt eget nullam.

Mrs. Geeta
DGP Commisnor

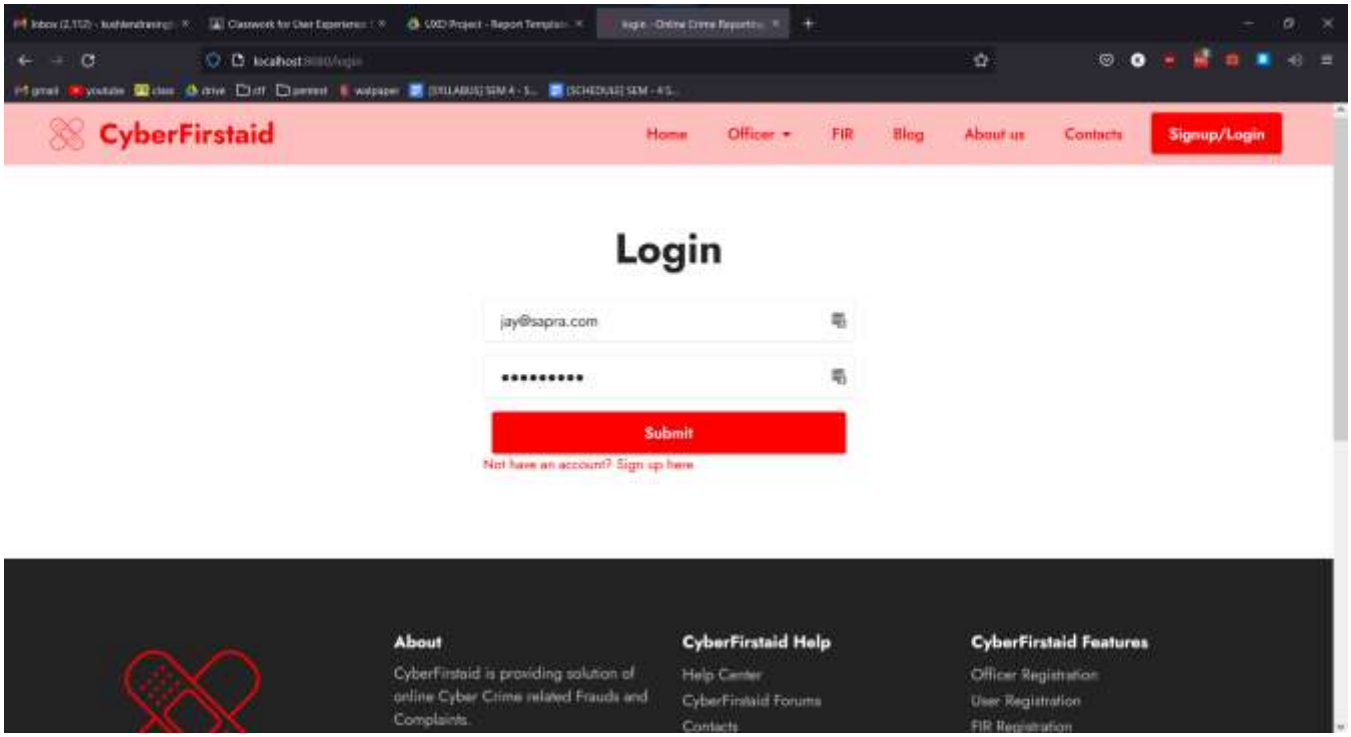

CyberFirstaid
Home
Officer
FIR
Blog
About us
Contacts
Signup/Login
Suscribe Our Newsletter!
Fill the form below to get started.
Name
Email
Start Now!
Terms of Service
Privacy Policy


CyberFirstaid
Home
Officer
FIR
Blog
About us
Contacts
Signup/Login
Toggle FAQ
How to register fir?
Arcu non sodales neque sodales ut etiam sit amet. Sit amet luctus venenatis lectus magna. Ullamcorper morbi tincidunt ornare massa eget egestas purus viverra. Consectetur libero id faucibus nisl tincidunt eget nullam.
What is CyberFirstaid?
Can I create my profile for register fir?
Is it secure and helpful?
My fir will be public of private?
Is this fast and safe way to register fir?

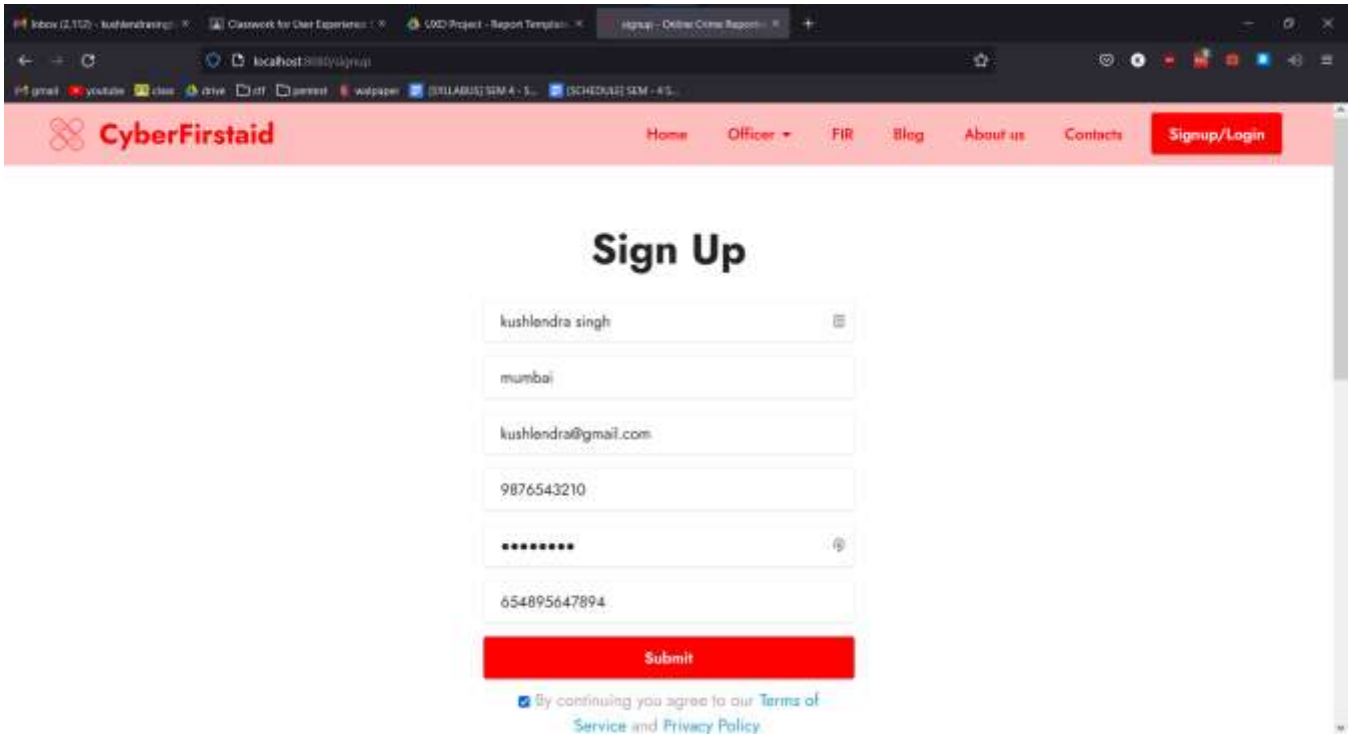




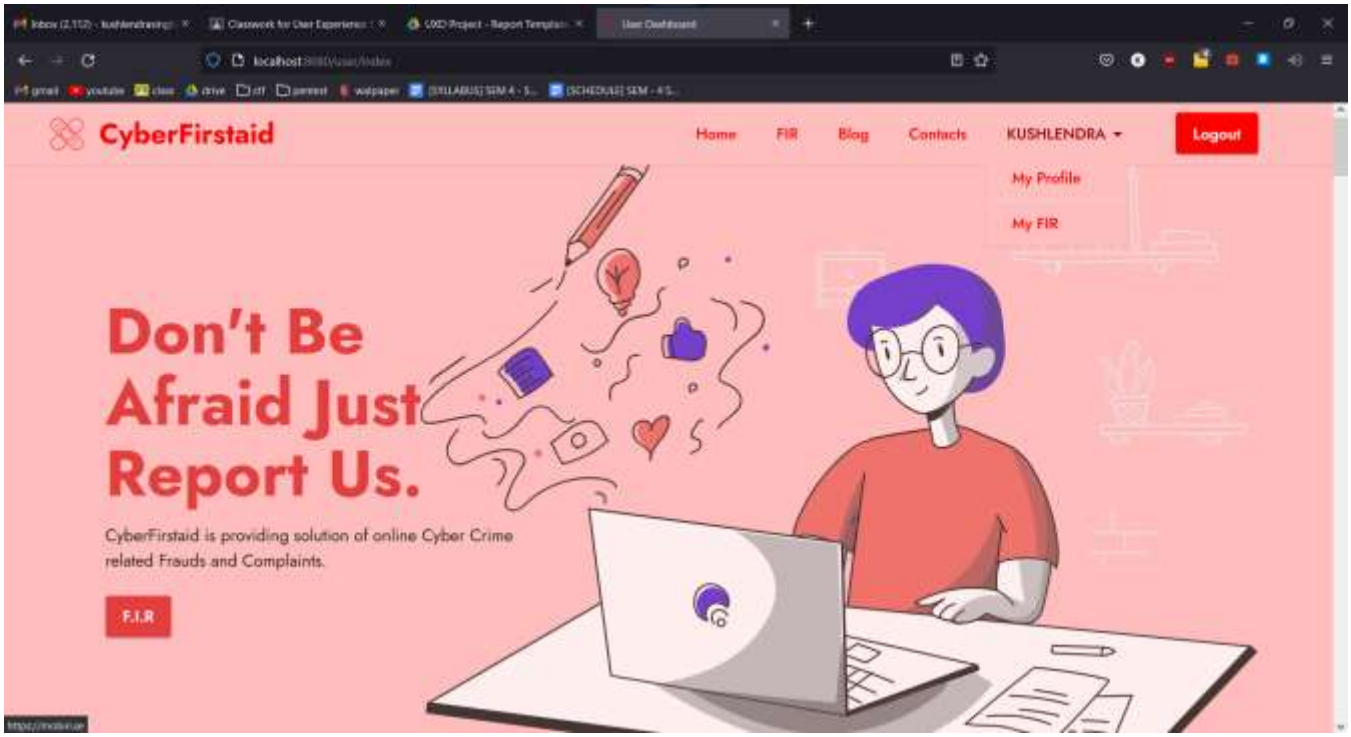
5.1.2 Login page



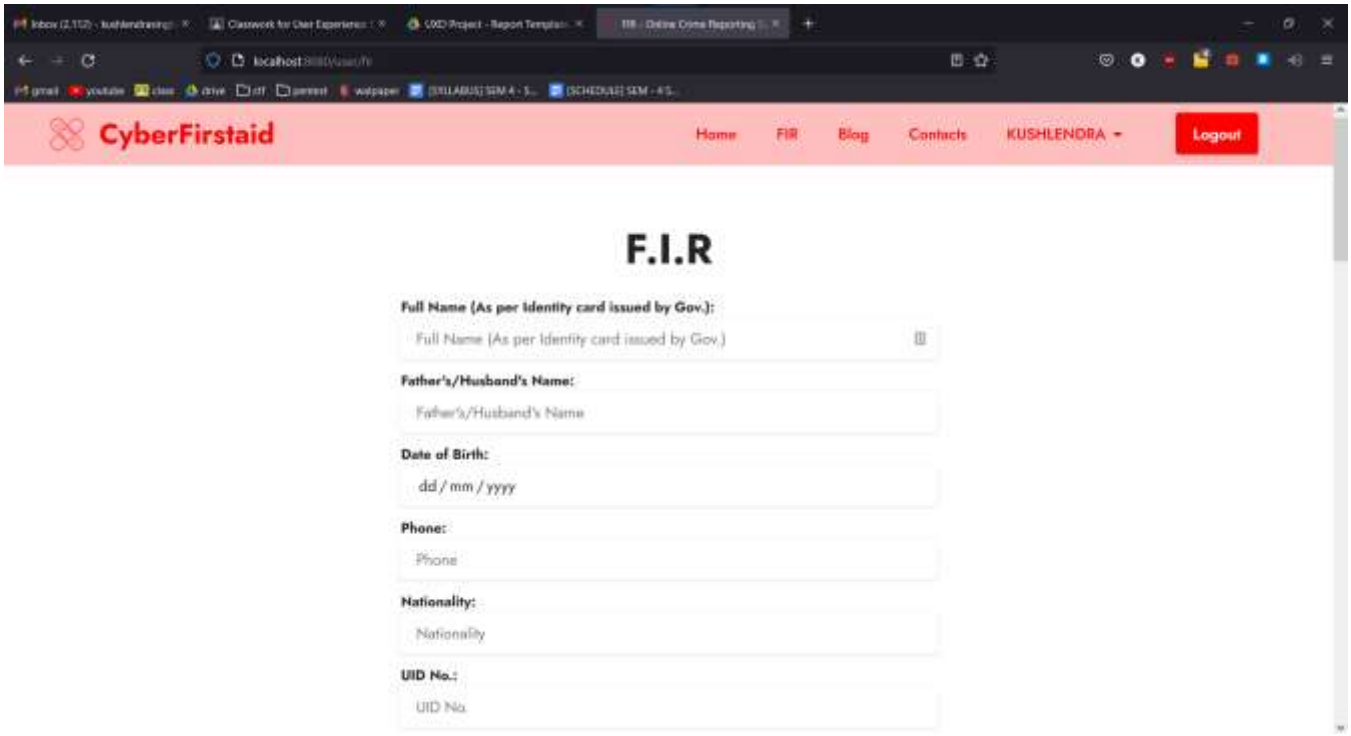
5.1.3 Signup page

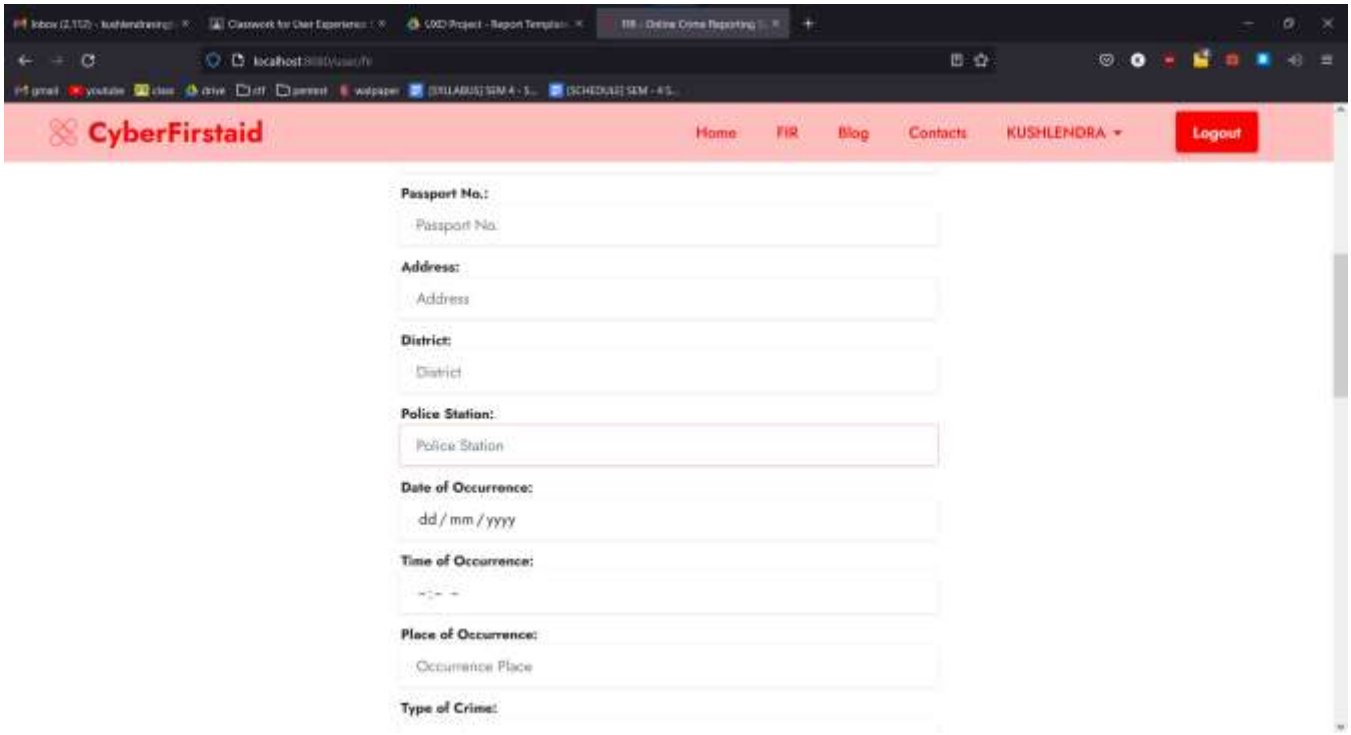


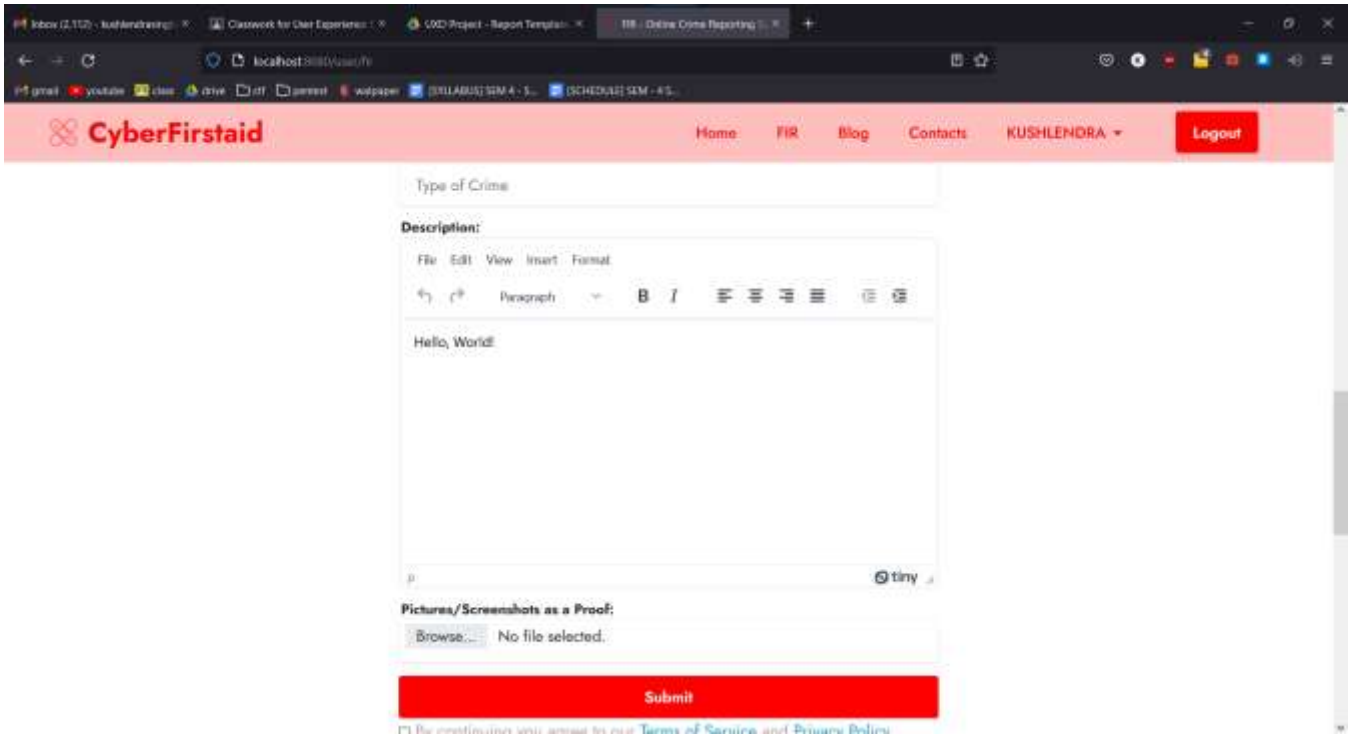
5.1.4 User Dashboard page



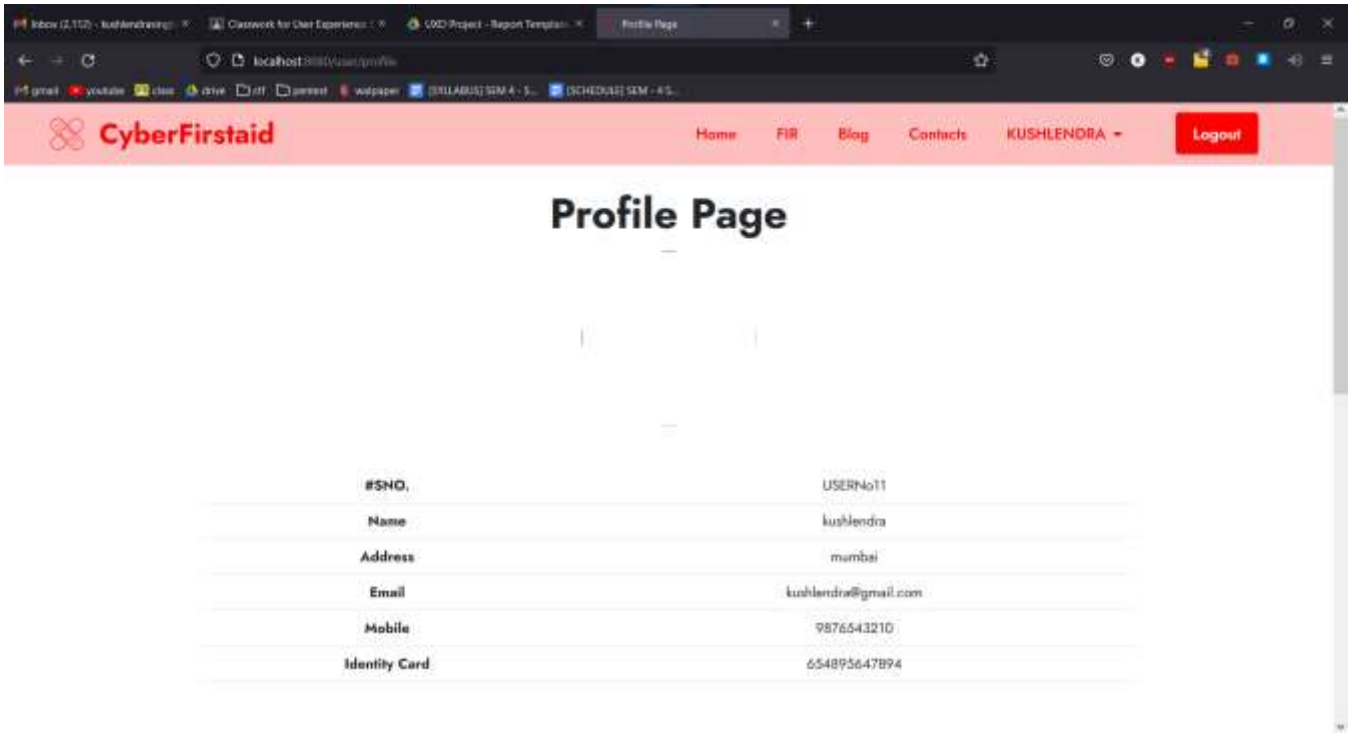
5.1.5 FIR Register page



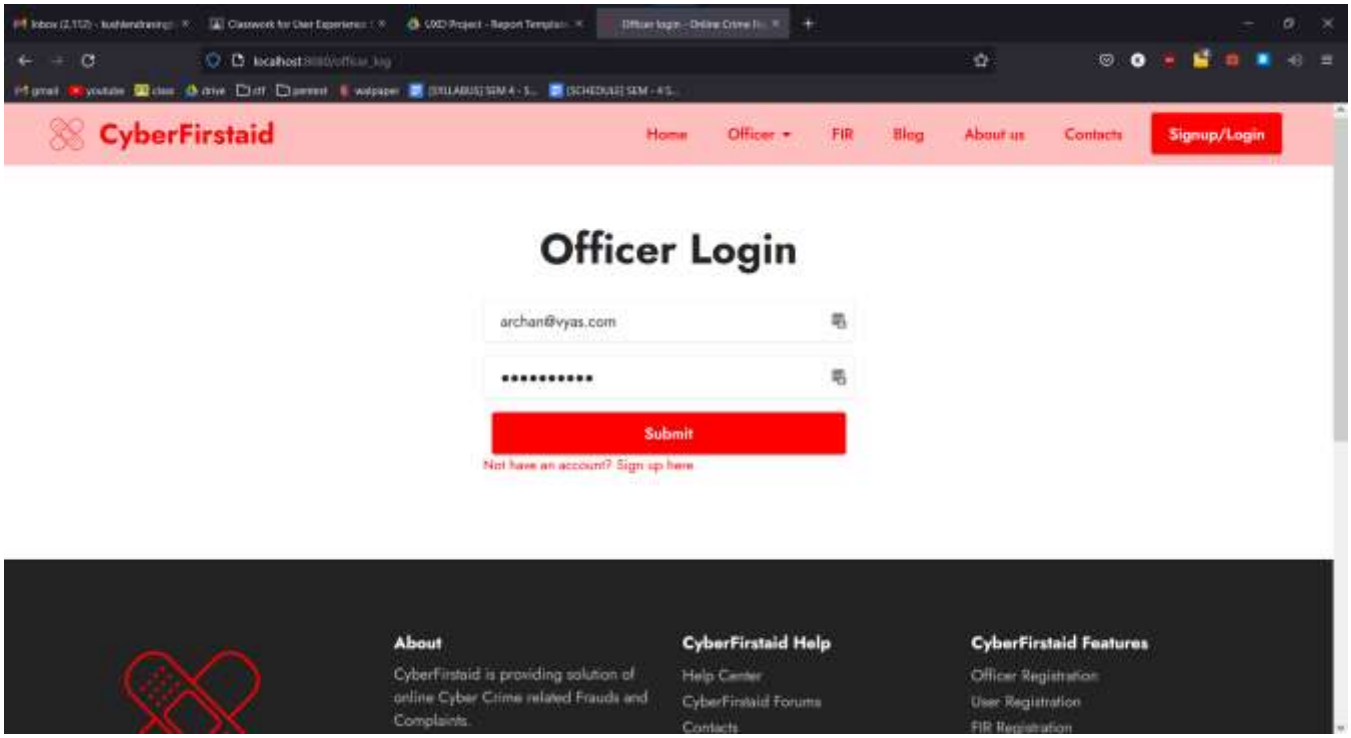


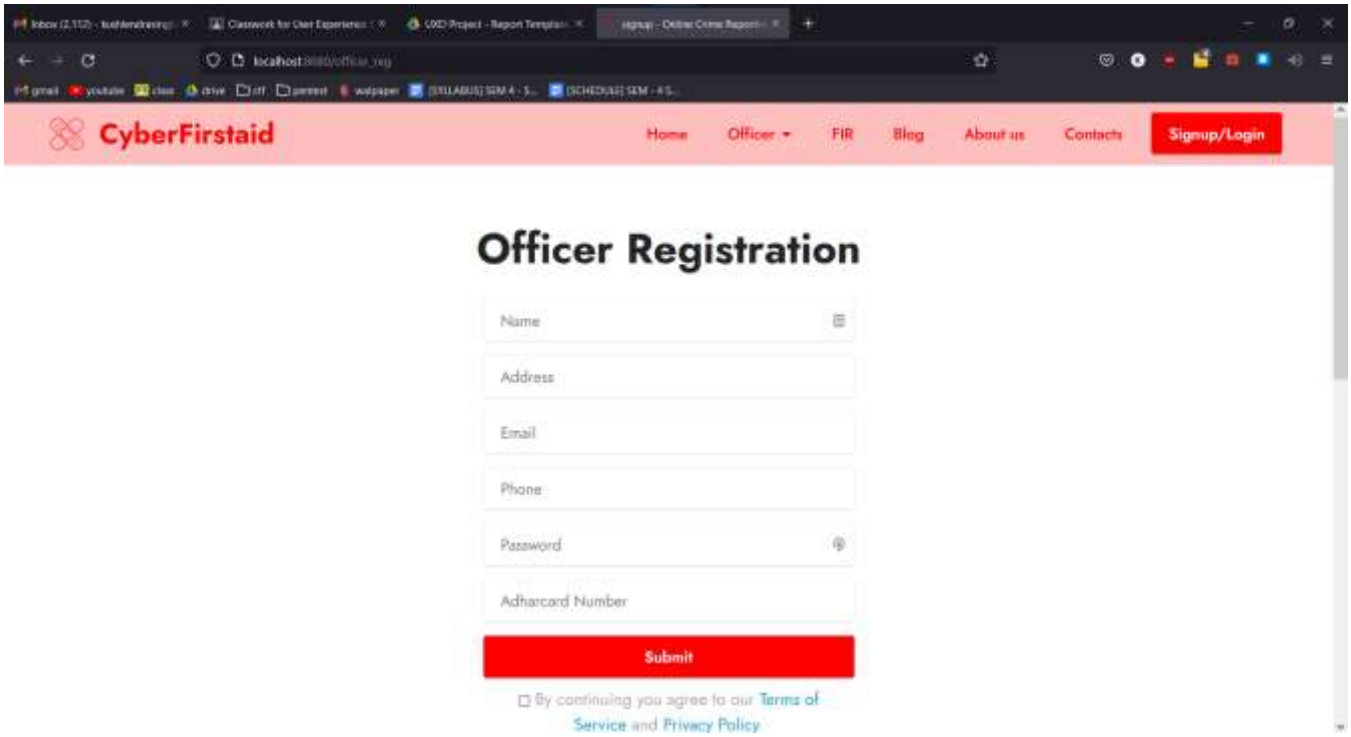


5.1.6 User Profile page

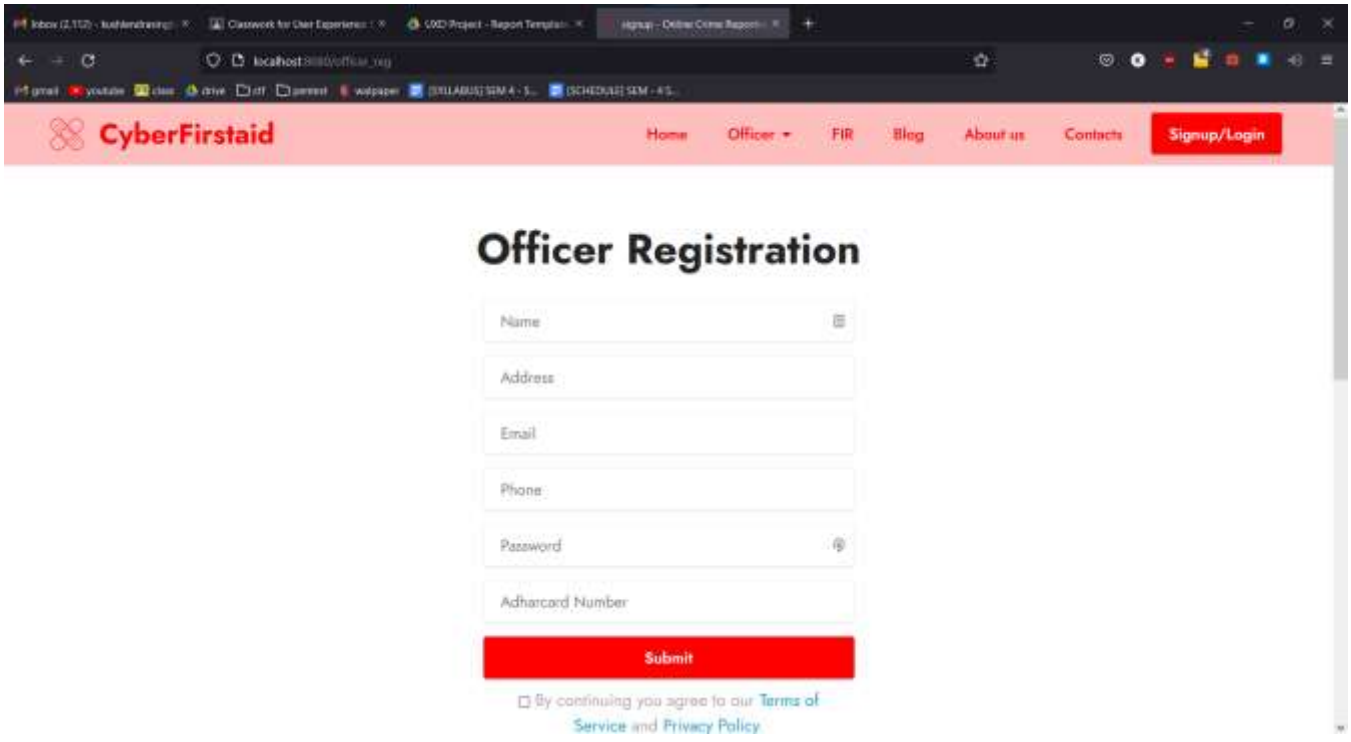


5.1.7 Officer login page

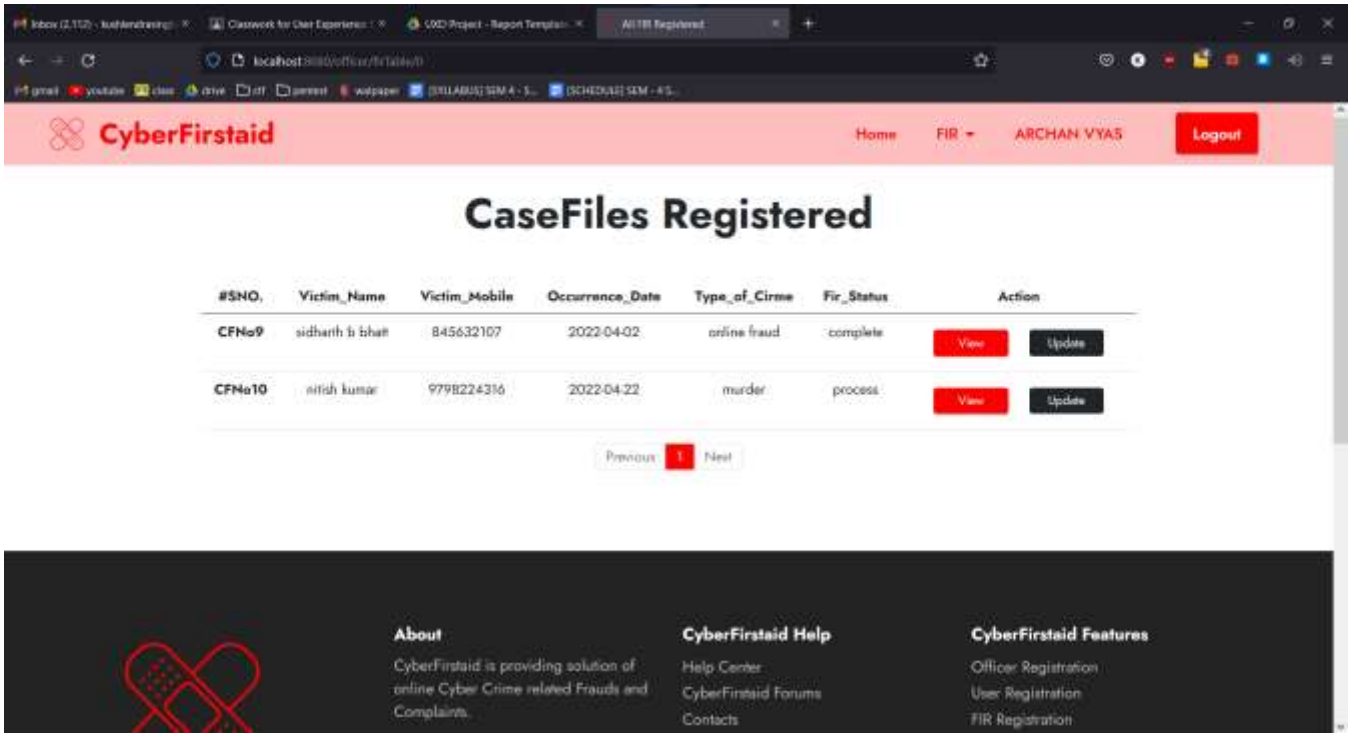




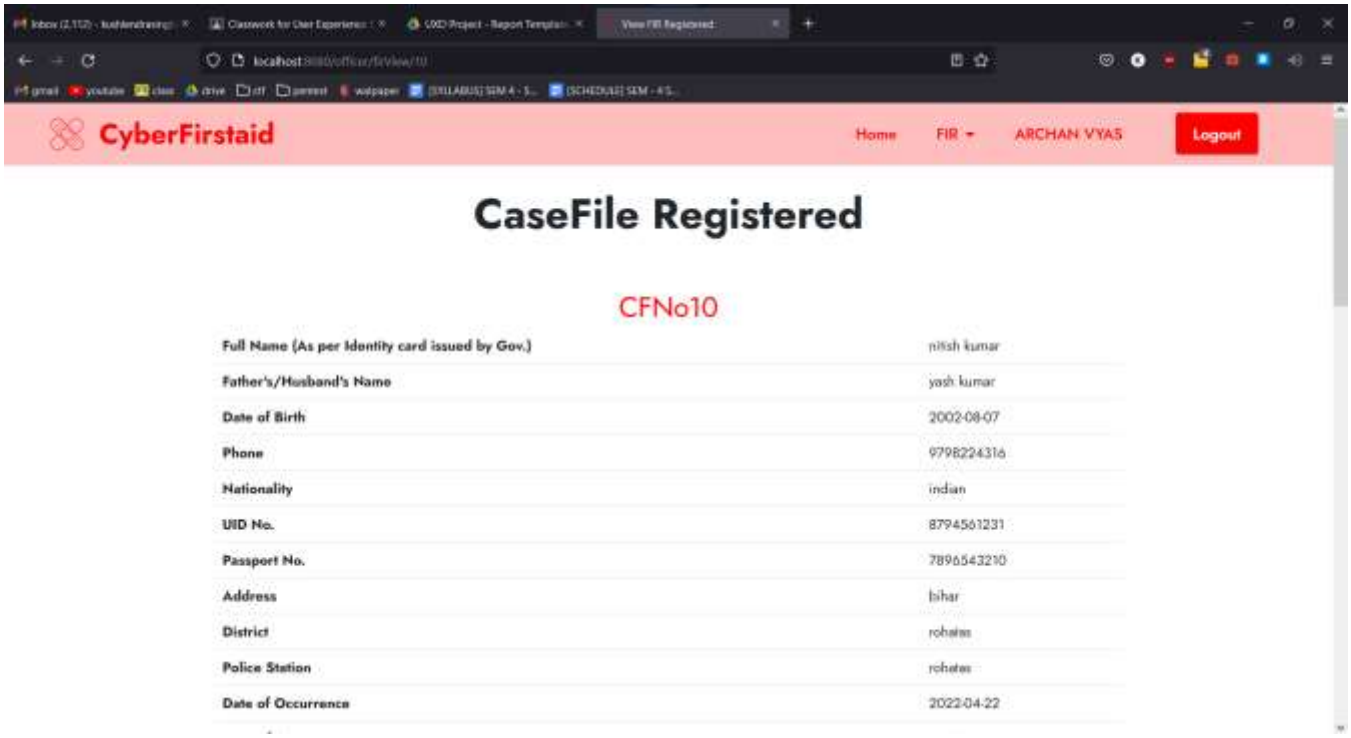
5.1.8 Officer signup page

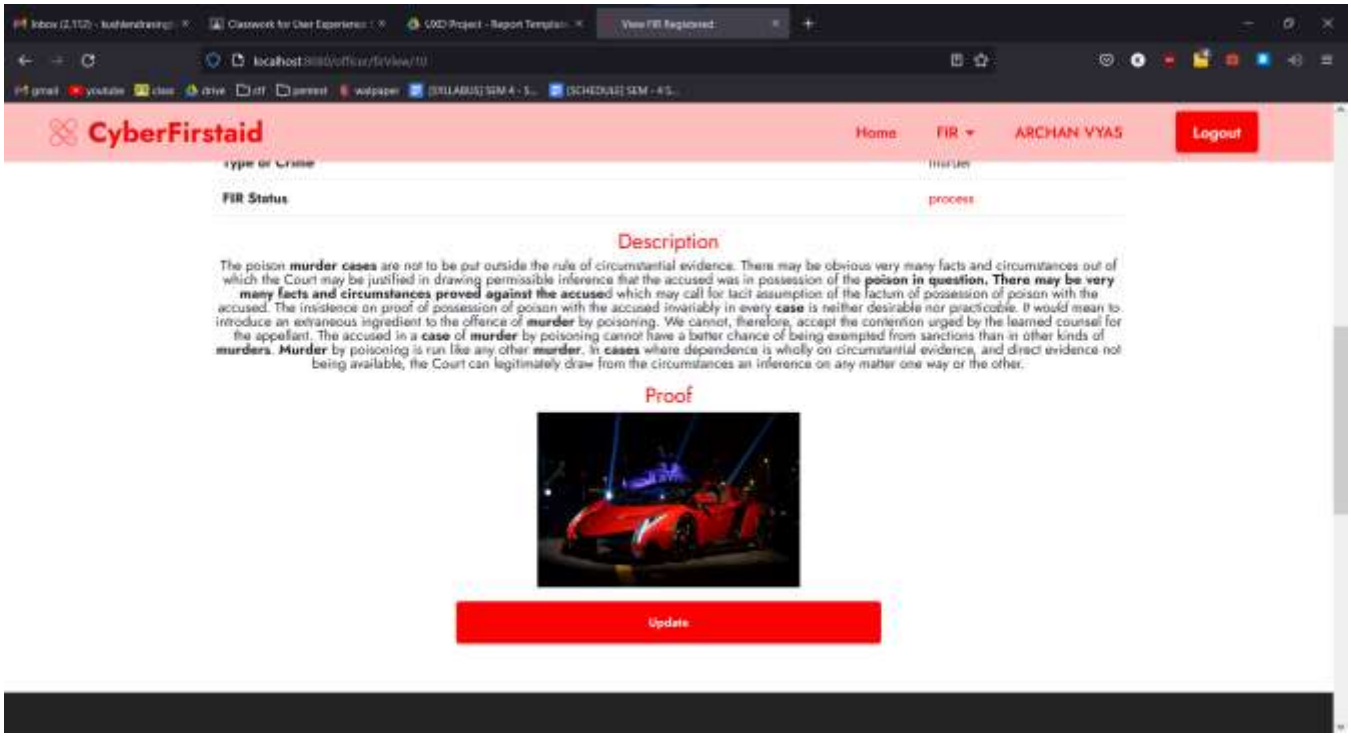


5.1.9 FIR Table page

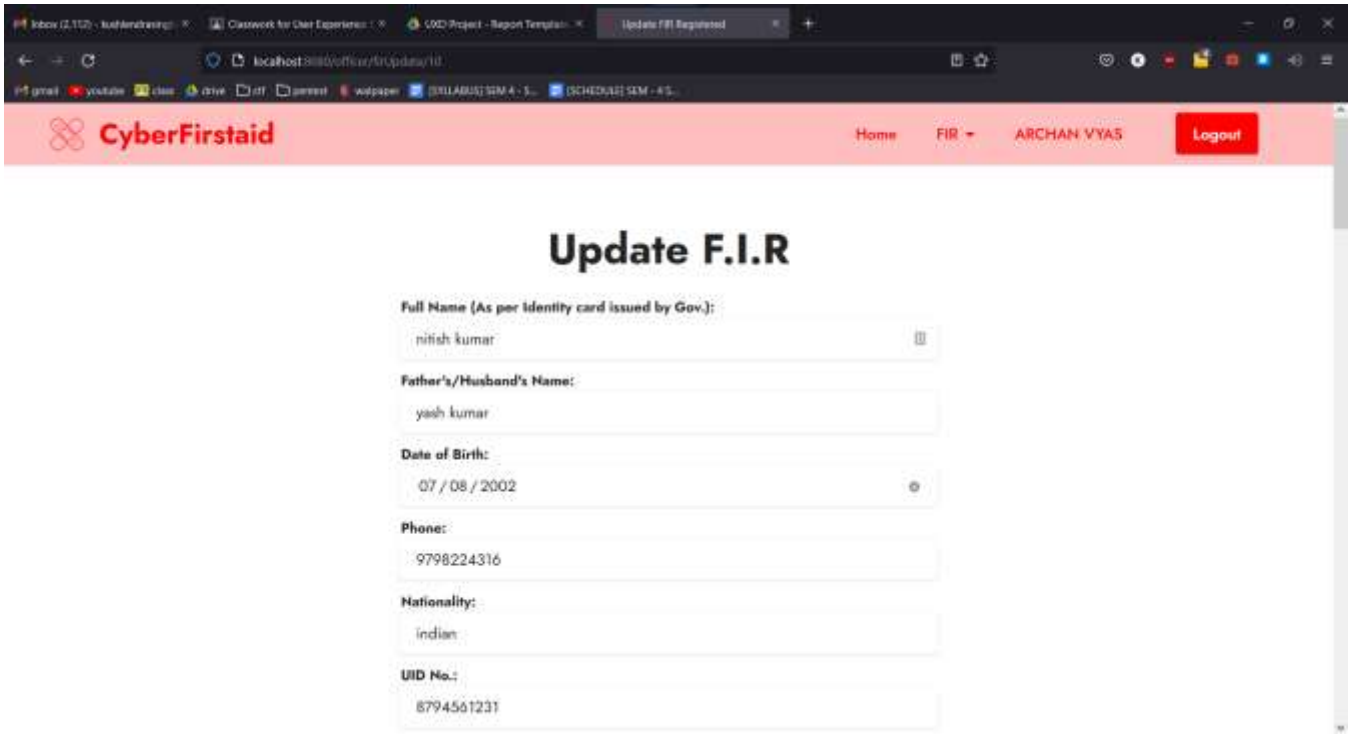


5.1.10 FIR View page





5.1.10 FIR Update page



CyberFirstaid

Home FIR ARCHAN VYAS Logout

indian

UID No.:

8794561231

Passport No.:

7896543210

Address:

bihar

District:

rohatas

Police Station:

rohatas

Date of Occurrence:

22 / 04 / 2022

Time of Occurrence:

02 : 22 am

Place of Occurrence:

CyberFirstaid

Home FIR ARCHAN VYAS Logout

murder

Description:

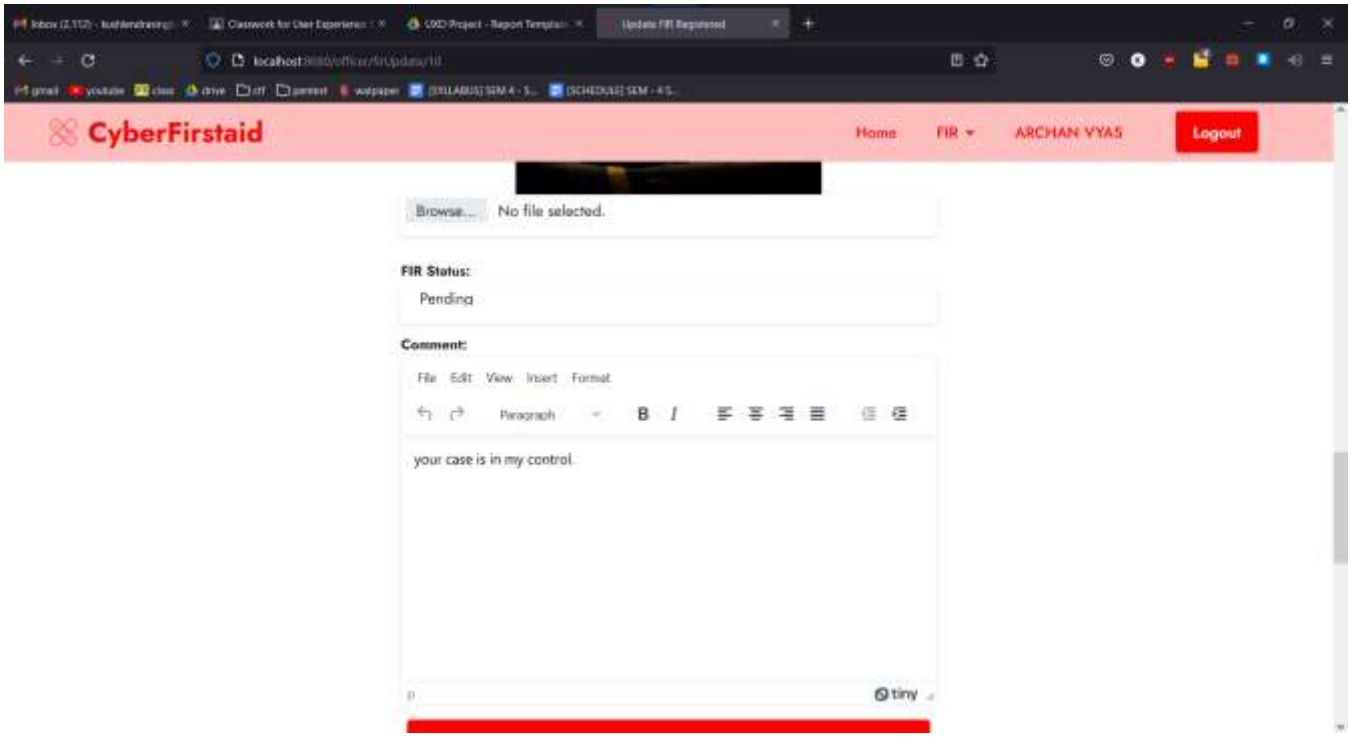
File Edit View Insert Format

Paragraph B I

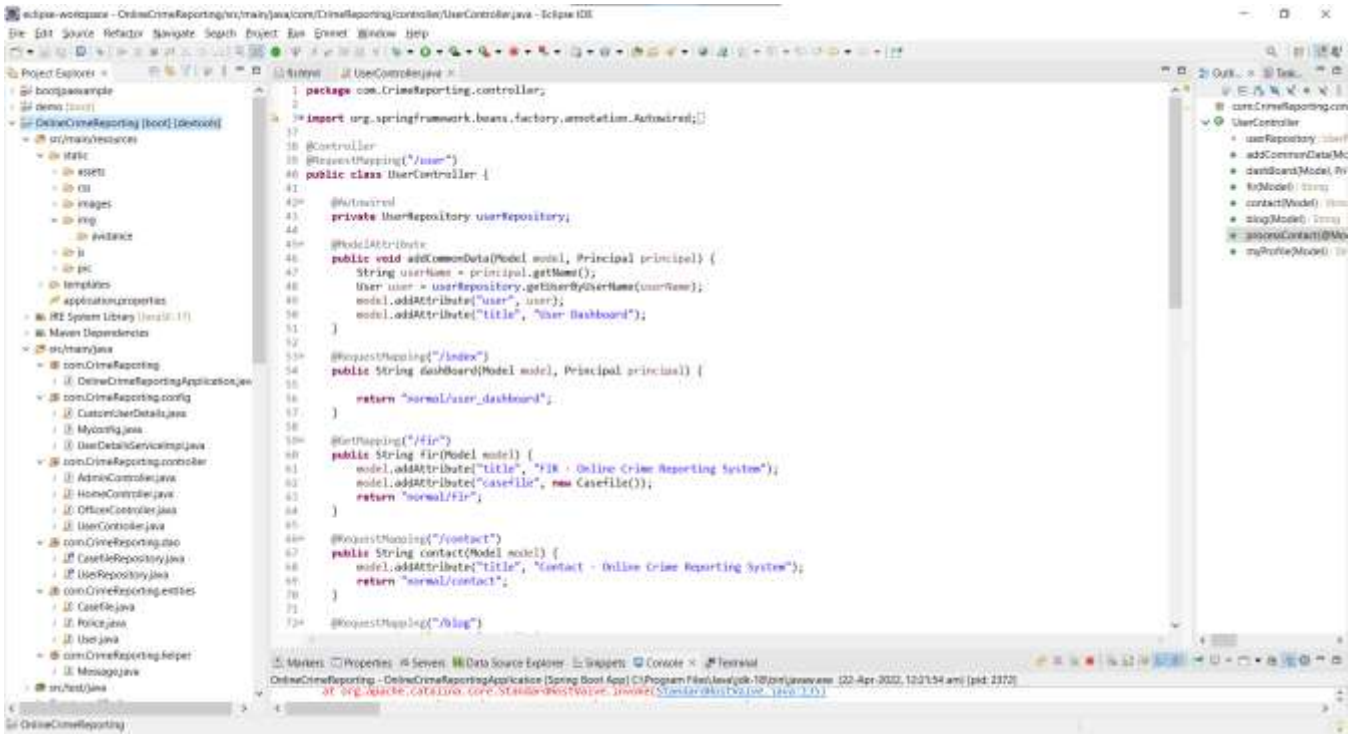
The poison **murder cases** are not to be put outside the rule of circumstantial evidence. There may be obvious very many facts and circumstances out of which the Court may be justified in drawing permissible inference that the accused was in possession of the **poison in question. There may be very many facts and circumstances proved against the accuse**d which may call for tacit assumption of the factum of possession of poison with the accused. The insistence on proof of possession of poison with the accused invariably in every **case** is neither desirable nor practicable. *It would* mean to introduce an extraneous ingredient to the offence of **murder** by poisoning. We cannot, therefore, accept the contention urged by the learned counsel for the appellant. The accused in a **case** of **murder** by poisoning cannot have a better chance of being exempted from sanctions than in other kinds of **murders. Murder** by

tiny

Pictures/Screenshots as a Proof:



5.2 Backend/Admin Side Screenshots



5.3 Other Screenshots

Chapter 6

Conclusion And Future Work

In the modern world, the use of computers and Mobile phones are becoming rampant. More so, recent developments in ICT Industries has revolutionized and consequently brought about a paradigm shift in the way activities are accomplished. As a result of the crime reporting system needs to embrace these new technologies. This report has presented a simple, convenient, cost-effective, but efficient online crime reporting system with a user-friendly, sensitive and intelligible web interface. Whereby it can be accessed at any time provided there is an internet connection.

REFERENCES

1. https://docs.spring.io/spring-boot/docs/current/reference/htmlsingle/
2. https://docs.spring.io/spring-security/reference/index.html
3. https://docs.spring.io/spring-framework/docs/3.2.x/spring-framework-reference/html/mvc.html
4. https://hibernate.org/orm/documentation/6.0/
5. https://www.thymeleaf.org/documentation.html