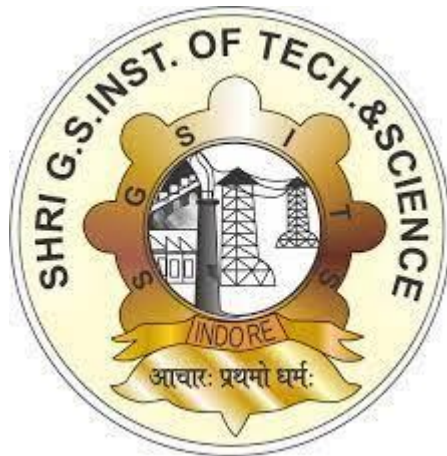# SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE

CO34002 : Agile Software Development

Project Title : Criminal Record Management System

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Submitted by-

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Introduction

Criminal record Management System allows user to store police department's case details, Complaint Details, FIR Details, etc. This Software Package allows Police Departments to store all the details related to the department and use them whenever necessary. This project will also be able to provide reports of various cases, FIR report, charge sheet report, Most Wanted Criminals record, payroll, attendance reports and also be able to upload and view criminal photos and scanned documents.

EXISTING SYSTEM

In the existing system, most of the operations are done manually like send complaints, taking actions against crimes, view status etc. So with the existing system if anybody wants to complaint against crimes he must do it through the police. In this system, we can see the details of particular information about the police stations in our state; the existing system has more workload for the authorized person.

Drawbacks of Existing System

- More man power.
- The existing system is time consuming and not very user friendly.
- As we all know, a covered truth, Bribery plays an important role in the existing system
- Consumes large volume of pare work.
- No direct role for the higher officials.
- This system could provide only investigation and there is no Advocating, Counseling facilities etc. hence no contact or control or co-ordination on this cell.
- Even an efficient officer cannot or may not able to handle more than one case at a time.
- Evaluation requires monitoring crime before, during and after the initiative

PROPOSED SYSTEM

In the proposed system, a 'committee' is responsible for performance monitoring decided to look at the contribution and effectiveness of the organization within the public. We need the whole hearted support of each and every individual member of the site and cooperation of the users
.The administrator, along with the investigators, lawyers, counselors and other authorities are the partners in our organization. Given their key role in these partnerships, we felt that an overview of strength and weakness of the organization is needed.

The aim of the project is to bring about improvement to the organization's contributions. To avoid conducting and unfair evaluation, it believes that partnership work is highly beneficial to the organization and that partnership work is the way forward to reduce crime and disorder. The proposed system can overcome all the limitations of the existing system. The existing system provides facilities for:

Adding
-Complaint, Crime report, Station, Panel and Panel Member.
View
-Most wanted persons, Complaint status, and Crime status. Any Number of clients can connect to the server. Each user first makes their login to sever to show their availability. The server can be any Web Server. A web Server must be maintained for storage of complaints and query files for processing purpose

Purpose

The main objective of this document is to illustrate the requirements of the project. Criminal record Management System The document gives the detailed description of both the functional and nonfunctional requirements proposed by the client. The document is developed after a number of consultations with the client and considering the complete requirement specifications of the given project.

Scope

The various Future Enhancement which shall include in this software are:
We look forward to working with the Government in implementing the recommendations and seeing an improvement in the effectiveness of the organization. The method of video conferencing can be added to make the project more lively. An intercom facility will add a little more flexible communication between the Master and Branch in Charge, Master and Members,etc. Not withstanding this drive and progress, the Panel believes that m ore fundamentalchanges are needed. It hopes that the recommendation made in this report will assist in changing the culture around partnership

System overview

Initially, databases of all the police stations and their authorizing review panel members must be maintained. When a user logs in with his E-mail ID and password, the user can report the compliant. The reported compliant will be forwarded to the appropriate review panel. Review panel is responsible for approving or rejecting the complaints. Once it is approved by the review panel, the report is forwarded to the station for immediate investigation.

Product perspective

When a user is reporting a complaint through his account his details will be stored in the database. Registered users are given permission to view, update and withdraw the details.

Product Functions
- 1.Create user
- 2.Create review panel
- 3.Add station for reporting
- 4. Update user details
- 5.Add criminal
- 6.Report crime
- 7.User verification

- 8.View report status
- 9.Generate crime report

User characteristics

Administrator:

They are the core users and are able to add new user's station, review panels, and their members to the system and permit them to access the account when given authorization by the administrator, and can delete any existing operator or modify their details. They can also view in real time what a user is performing right away.
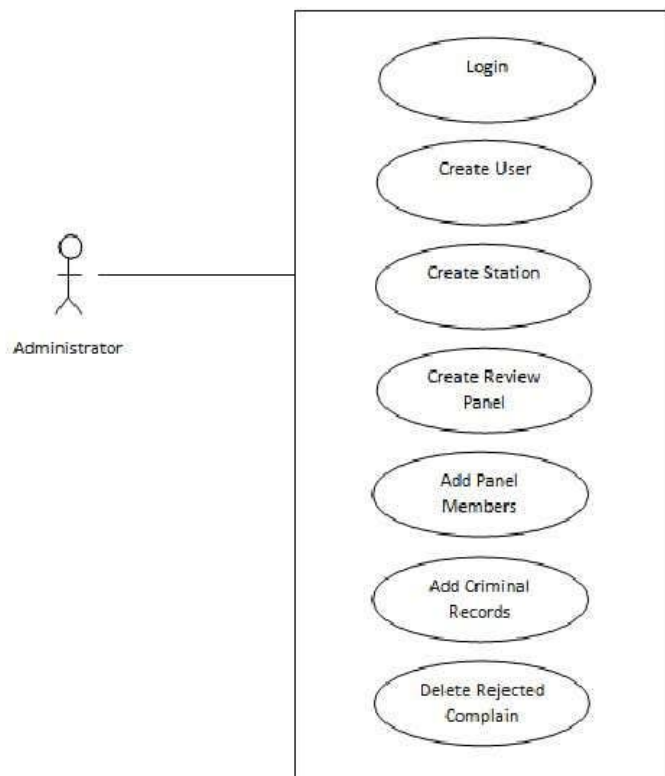
User:

They login at the client level and get access to their account. They can view their profile. They can also have permission to change their password. But they cannot delete another user account or make modification.
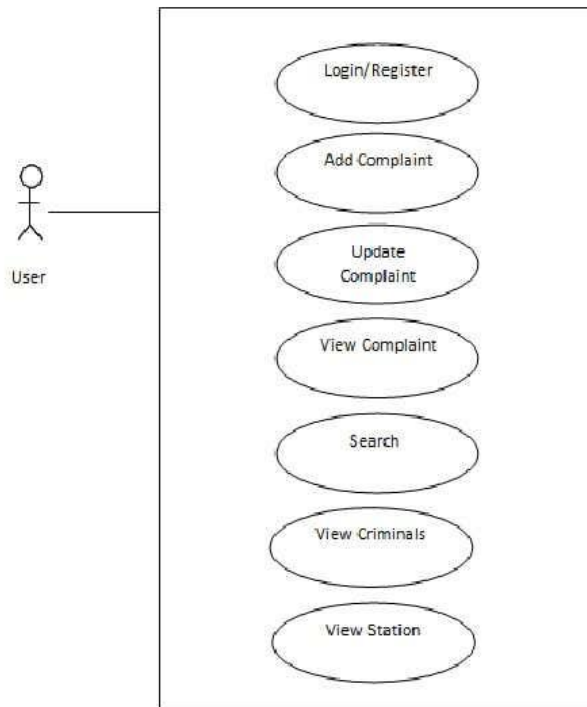
Review Panel:

They are a team of experienced members. They can review and process all the incoming complaints. They can also have permission to approve a newly entered station by the administrator.
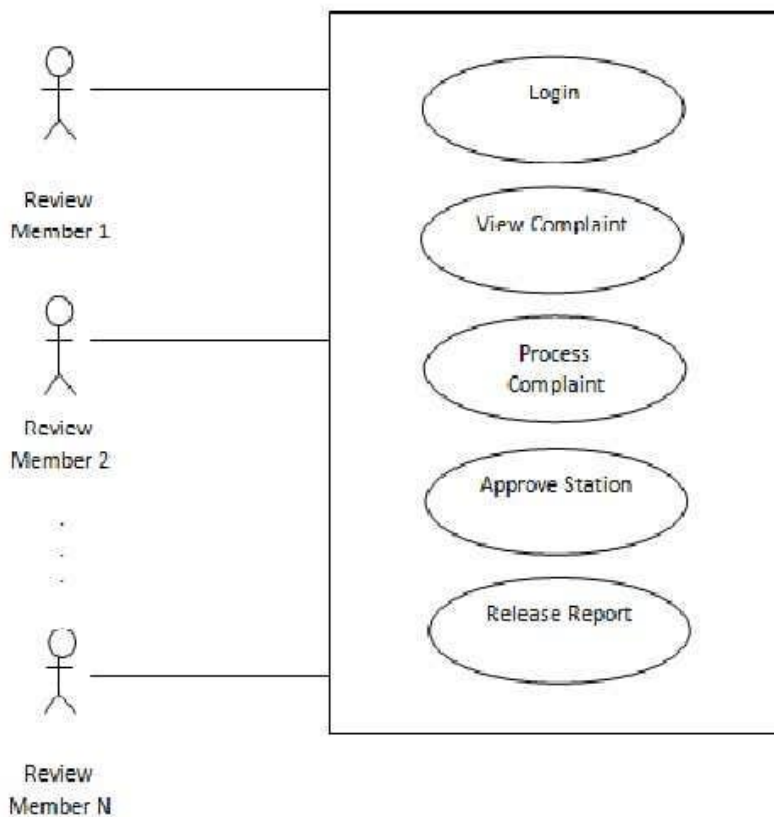
Station:

Once the Complaint is approved from review panel, the complaint will be forwarded to the appropriate station. The station will assign the police for immediate investigation. They can release the final report for a complaint. Police: administrator can manage police staff (add/update/delete).
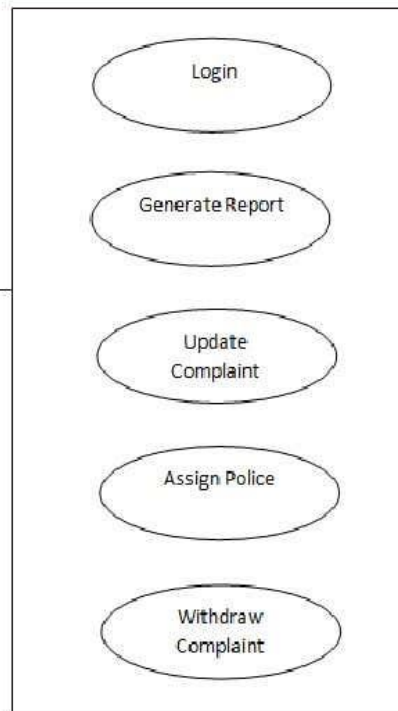
Constraints

- The user has to verify his/her identity using Phone number, Driving License, PAN or Voter ID before he/she can register.

- The user must be at least 18 years of age.

- Each district must have at least one Review Panel Member assigned.

- Each Station must be under the authorization of a Review Panel.

Assumptions and dependencies

- Each User must have an E-mail ID and Password.
- Each Admin must have a Username and Password.

- Each Review panel must have a Username and Password.

- Each Station must have a Station name and Password.

- There is only one Administrator

Functional requirements

Functional requirements specify which outputs should be produced from the given inputs. They describe the relationship between the input and output of the system. For each functional requirement, a detailed description of all the data input and their source, the units of measure and range of valid input are given.

User Login
Introduction: This process will verify the user name and password.
Input: Enter the user name and password.
Output: Displays User homepage.
Processing: It will verify the user name and password from database.

Creating New User
Introduction: New user creation.
Input: User Details along with voter ID or phone number or PAN or driving license.
Output: New user details get stored in the database.
Processing: Verifies the identification details entered by the user.

Reporting Crime
Introduction: Crime reporting.
Input: FIR Details.
Output: FIR submitted appropriate Review Panel and stored in database.
Processing: Verifies if FIR Number exists in the database.

View FIR Status
Introduction: FIR status viewing.
Input: FIR ID.
Output: Ongoing status of FIR.
Processing: Verifies if FIR ID exists in the database

Update FIR
Introduction: Updating FIR.
Input: FIR ID with updated details.

Output: Updated FIR.

Processing: Verifies FIR ID from the database.

View Criminal

Introduction: Searching for Criminal.

Input: Select Area.

Output: Criminal details

Processing: Look for search phrase in the database.

Withdraw Complaint

Introduction: Withdrawing Complaint

Input: FIR ID.

Output: FIR withdraw list submitted to Review Panel.

Processing: Verifies FIR ID from the database.

Admin Login

Introduction: This process will verify the user name and password.

Input: Enter the user name and password.

Output: Displays Admin homepage.

Processing: It will verify the user name and password from database.

Creating New Station

Introduction: New station creation.

Input: Station Details.

Output: Station Details gets stored in database.

Processing: Verifies whether that particular station is already exist.

Add Criminal Details

Introduction: New criminal details addition.

Input: Criminal Details along with photo.

Output: New criminal Details gets stored in database.

Processing: Verifies whether the criminal already exists.

Creating New Review Panel

Introduction: New Review Panel creation.

Input: Enter Review Panel Details.

Output: New Review Panel Details gets stored in database.

Processing: Verifies whether Review Panel is already exists.

Review Panel Login

Introduction: This process will verify the user name and password.

Input: Enter the user name and password.

Output: Displays Review Panel homepage.

Processing: It will verify the user name and password from database.

Station Login

Introduction: This process will verify the user name and password.

Input: Enter the user name and password.

Output: Displays Station homepage.

Processing: It will verify the user name and password from database.

Generate Report

Introduction: This process will generate report in PDF format.

Input: Enter the FIR ID.

Output: Printable report.

Processing: It will verify the FIR ID from database.

Non Functional Requirements

Requirement that specifies criteria that can be used to judge the operation of a system are called non functional requirements. Non functional requirements of our system are mentioned below

User interface and Human Requirement

- The system provides web based and mobile based application user interface that are compatible with any platform

Hardware Requirements

- the department should have desktop computers having typical storage capacity and processing speed

Software Requirement

- the department should have mysql server and internet explorer or any other browser and some anti spy wares in order to protect the database from spy

Security Issue

- the system is with session controlled way to permit url based system access this system provides an access to privilege to an authorized user by giving account for each and every special function

Performance Characteristics
- the system is accessible by specified users in the police assign

Error handing
- The system provide error handling mechanism on the ways system interacts with data base and on input acceptor fields

Quality Issue
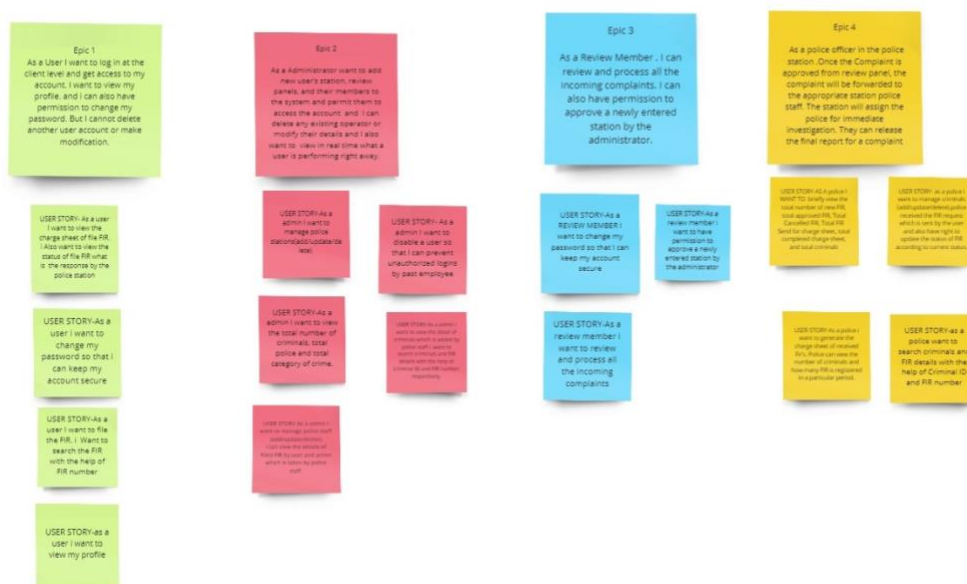- information in the database should be accurate ad updated

The System Modification
- the system should be easily modified

Category

- -web application

USER STORIES

Epic 1

As a User I want to log in at the client level and get access to my account. I want to view my profile. and i can also have permission to change my password. But I cannot delete another user account or make modification.

USER STORY- As a user I want to view the charge sheet of file FIR. i Also want to view the status of file FIR what is the response by the police station

USER STORY-As a user i want to change my password so that i can keep my account secure

USER STORY-As a user I want to file the FIR. i Want to search the FIR with the help of FIR number

USER STORY-as a user i want to view my profile

Epic 2

As a Administrator want to add new user's station, review panels, and their members to the system and permit them to access the account and I can delete any existing operator or modify their details and I also want to view in real time what a user is performing right away.

USER STORY-As a admin I want to manage police stations(add/update/delete).As a admin I want to view the total number of criminals, total police and total category of crime

USER STORY- As a admin I want to disable a user so that I can prevent unauthorized logins by past employee

USER STORY-As a admin I want to manage police staff (add/update/delete) i can view the details of filled FIR by user and action which is taken by police staff.

USER STORY-As a admin i want to view the detail of criminals which is added by police staff i want to search criminals and FIR details with the help of Criminal ID and FIR number respectively.

Epic 3

As a Review Member . I can review and process all the incoming complaints. I can also have permission to approve a newly entered station by the administrator.

USER STORY-As a REVIEW MEMBER I want to change my password so that I can keep my account secure

USER STORY-As a review member i want to have permission to approve a newly entered station by the administrator

USER STORY-As a review member i want to review and process all the incoming complaints

Epic 4

As a police officer in the police station .Once the Complaint is approved from review panel, the complaint will be forwarded to the appropriate station police staff. The station will assign the police for immediate investigation. They can release the final report for a complaint

USER STORY-AS A police I WANT TO briefly view the total number of new FIR, total approved FIR, Total Cancelled FIR, Total FIR Send for charge sheet, total completed charge sheet, and total criminals

USER STORY- as a police i want to manage criminals (add/update/delete).police received the FIR request which is sent by the user and also have right to update the status of FIR according to current status.

USER STORY-as a police want to search criminals and FIR details with the help of Criminal ID and FIR number

USER STORY-As a police i want to generate the charge sheet of received Fir's. Police can view the number of criminals and how many FIR is registered in a particular period.

miro

IMPORTANCE (vertical axis)

URGENCY (horizontal axis)

As a user I want to file the FIR.

As a user I want to view the charge sheet of file FIR. i Also want to view the status of file FIR what is the response by the police station

As a user i want to change my password so that i can keep my account secure

As a police I want to search criminals and FIR details with the help of Criminal ID and FIR number

As a user I want privacy such that no other user can access my account

As a admin I want to manage police staff (add/update/delete)

As a admin I want to disable a user so that I can prevent unauthorized logins by past employee

as a police i want to manage criminals (add/update/delete).

As a admin i need to collect all the registered user in my database for proper verification

As a User I want to view the details of filled FIR by user and action which is taken by police staff.

As a admin I want to manage police stations(add/update/delete).

As a review member i want to have permission to approve a newly entered station by the administrator

As a user I want to view my profile

As a user I need a option to edit my profile so that I can correct and update the information

-As a admin i want to view the detail of criminals which is added by police staff i want to search criminals and FIR details with the help of Criminal ID and FIR number respectively.

As a user I want to search the FIR with the help of FIR number

As a admin I want to view the total number of criminals, total police and total category of crime

-As a REVIEW MEMBER I want to change my password so that I can keep my account secure

As a review member i want to review and process all the incoming complaints

As a police received the FIR request which is sent by the user i want to update the status of FIR according to current status.

As a user I want to view the status of file FIR to know what is the response by the police station

AS A police I Want to briefly view the total number of new FIR, total approved FIR, Total Cancelled FIR, Total FIR Send for charge sheet, total completed charge sheet, and total criminals

-As a police i want to generate the charge sheet of received Fir's. Police can view the number of criminals and how many FIR is registered in a particular period.

miro

```
                                                                      SEARCH ─────────────────────────────────────────┐
                                                                                                                        │
                                              LOGIN \ REGISTER        VIEW CRIMINALS ─────────────────────────────────┤
                          ┌─────────────┐                                                                               │        ┌──────────┐
                          │    User     │─────────────────────────────┤                                                 ├────────│  LOGOUT  │
                          └─────────────┘                             VIEW STATIONS ─────────────────────────────────┤        └──────────┘
                                                                                                                        │
                                                                      ADD COMPLAINT ──── UPDATE ──── VIEW             │
                                                                                          COMPLAINT    COMPLAINT
```

Visiting website	

```
                                                                      CREATE USER ──────────────────────────────────┐
                                                                                                                      │
                                                                      CREATE STATION ── VIEW POLICE ── EDIT POLICE ── UPDATE POLICE
                                                                                         DETAILS         RECORD         RECORD
                                              LOGIN                                                                    │
                          ┌─────────────┐                            CREATE REVIEW ── ADD PANEL                      │        ┌──────────┐
                          │    ADMIN    │─────────────────────────┤   PANEL           MEMBERS                         ├────────│  LOGOUT  │
                          └─────────────┘                            ADD CRIMINAL ─────────────────────────────────┤        └──────────┘
                                                                      RECORDS                                          │
                                                                      DELETE REJECTED ─────────────────────────────┤
                                                                      COMPLAINTS                                       │
                                                                      VIEW CRIMINAL ─────────────────────────────────┘
                                                                      DETAILS
```
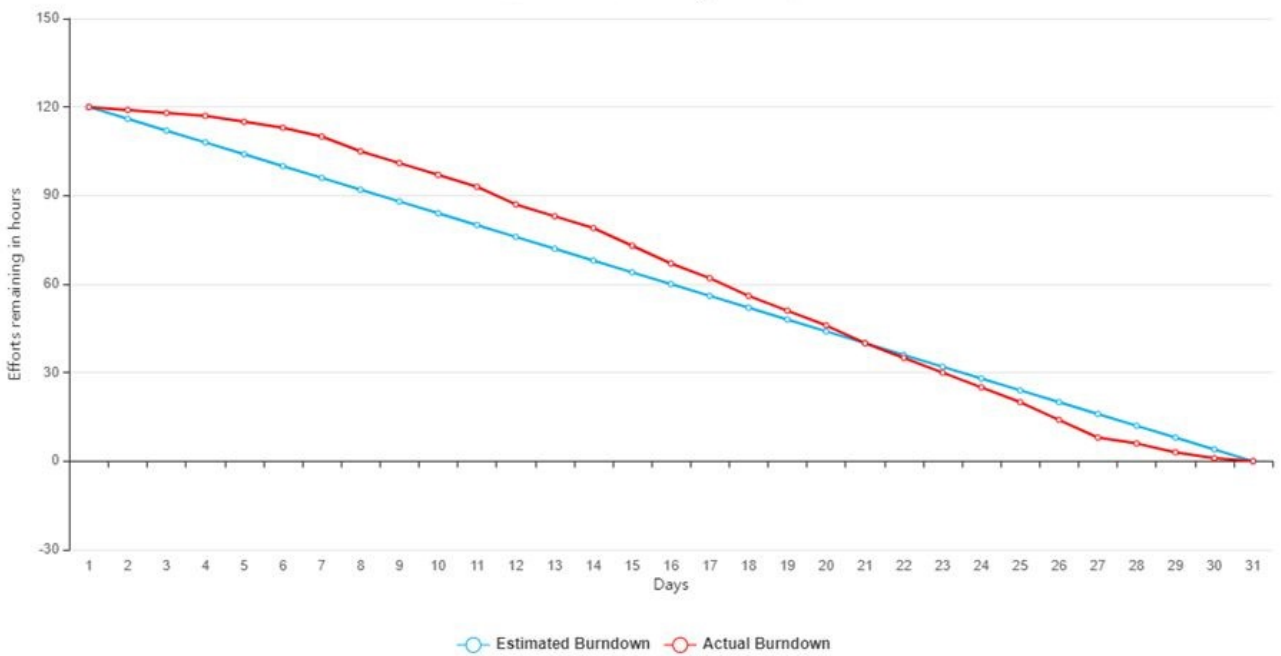
```
                                              LOGIN                   VIEW COMPLAINT ── PROCESS COMPALINT
                          ┌─────────────┐                                                              │        ┌──────────┐
                          │ REVIEW PANEL│─────────────────────────┤   APPROVE STATION ───────────────┤────────│  LOGOUT  │
                          └─────────────┘                                                              │        └──────────┘
                                                                      RELEASE REPORT ─────────────────┘
```

```
                                                                      GENERATE REPORT ────────────────┐
                                              LOGIN                   UPDATE COMPLAINT ───────────────┤        ┌──────────┐
                          ┌─────────────┐                                                              ├────────│  LOGOUT  │
                          │   STATION   │─────────────────────────┤   WITHDRAW                         │        └──────────┘
                          └─────────────┘                            COMAPLAINT                        │
                                                                      ASSIGN POLICE ──────────────────┘
```

miro

1-3 DAYS S	4-9 DAYS M	9-12 DAYS L	15-20 DAYS XL
FIR form for the user to fill the FIR	search feature for all the 4 module to search the criminals	login page for the 4 module one is admin,user(who files the FIR online),review panel, police	review panel will generate the report and sent it to the desired police station
feature to view the charge sheet of file FIR.	feature to add the details of the police	report feature so that the police can view the number of criminals and how many FIR is registered in a particular period.	feature for the police to fill the charge sheet of the criminal
	feature to add the new police station and review panel members by the admin	creating dashboard to review the details related to filled FIR by user and action which is taken by police staff	
	feature for the review panel members to view the total number of new FIR ,	creating dashboard for the police to view the total number of filled FIR, report generated by the review panel	
	feature for all the 4 module to update his profile, change the password, and recover the password		
	features to view the criminal details, crime category and to search the criminal		
	admin dashboard to check total cases ,total police station add police station, police details		
	add feature for the admin to add the details of criminals and the crime done by them		

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BURNDOWN CHART

Estimated Burndown   Actual Burndown

sprint no.	feature	estimation
1	landing page	s
2	login and sign up	m
3	user and admin dashboard	L
4	fir form and add review panel , police, criminal	m
5	review panel and police dashboard	L
6	search criminals and view criminals, fir, police station	L

CRIME RECORD MANAGEMENT SYSTEM

DASHBOARD

CREATE USER

UPDATE PROFILE

SIGN IN

CHANGE PASSWORD

INCLUDE

LODGE FIR

LOGIN

INCLUDE

VERIFY PASSWORD

CREATE STATION

ADD CRIMINAL RECORDS

VIEW CRIMINALS DETAILS

RELEASE REPORT

VIEW COMPAINT

INCLUDE

PROCESS COMPALINT

UPDATE COMPLAINT

GENERATE REPORT

USER

REVIEW PANEL

ADMIN
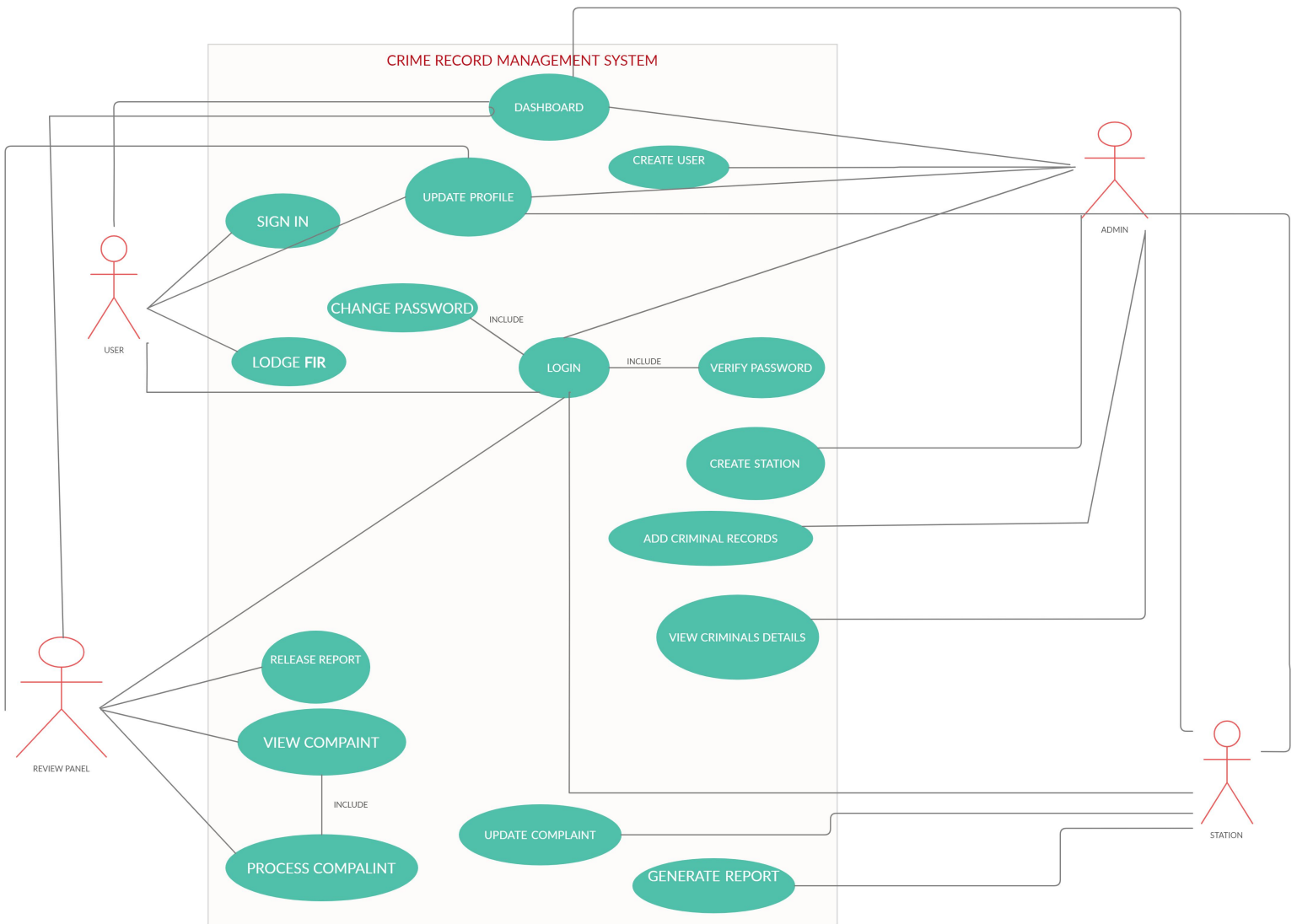
STATION

HIGH LEVEL ARCHITECTURE
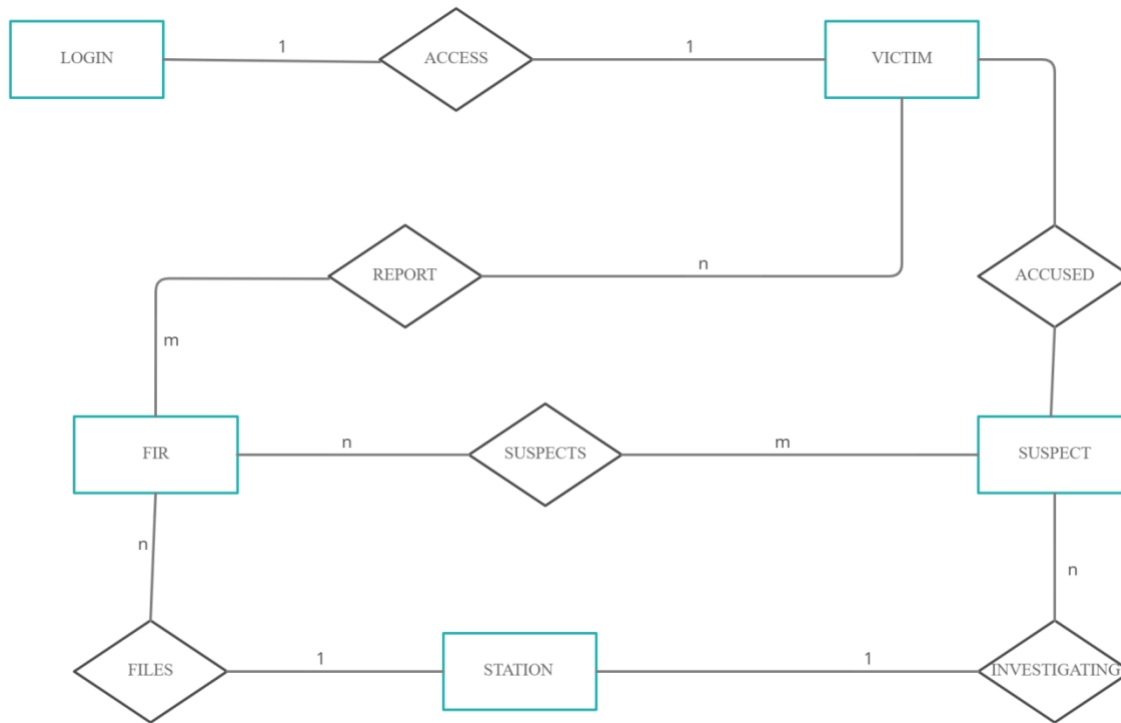
landing page

navbar →

Criminal Record management System

Home   All criminals   Signup   login

Picture

Review Panel dashboard

logo
Review panel
dashboard

Search

Hello Review

Police station
View fir
My account
Report
add police
logout

User dashboard

logo
user dashboard.

Searchbar

Hello user

Police station
Search
· my account
Fir Form
logout

Police station dashboard.

logo
Police dashbord

Search

Hello Police

Police station
Search
My account
Report
Fir
logout

Admin dashboard

· logo
admin dashbord
· ·
Police station
View fir
my account
add criminal
add review panel
add Police.

Hello admin

All criminals

navbar →

Crime record management System

Home

Most Wanted Criminals.

☐ Pic   ☐ Pic   ☐ Pic
☐ Pic   ☐ Pic   ☐ Pic

Sign up

Crime record management System

Home

Sign up

E-mail

[ ]

username

[ ]

Password

[ ]

.Phone

[ ]

[Sign UP]

Login Page

Admin

Navbar.

Admin Login

E-mail address [ ]

username [ ]

Password [ ]

[login]

Review

Navbar

Review login

t mail address

[ ]

username

[ ]

Password

[ ]

[login]

Police

Navbar

Police login

E-mail address

[ ]

Username

[ ]

Password

[ ]

[login]

User

Navbar

User login

E-mail address

[ ]

username

[ ]

Password

[ ]

[login]

Police station

ID	Police station Name	location

Search

ID	E-mail of criminal	Name of criminal	Password of criminal	Phone criminal

City	hight	wright	address	country

GUI

LANDING PAGE
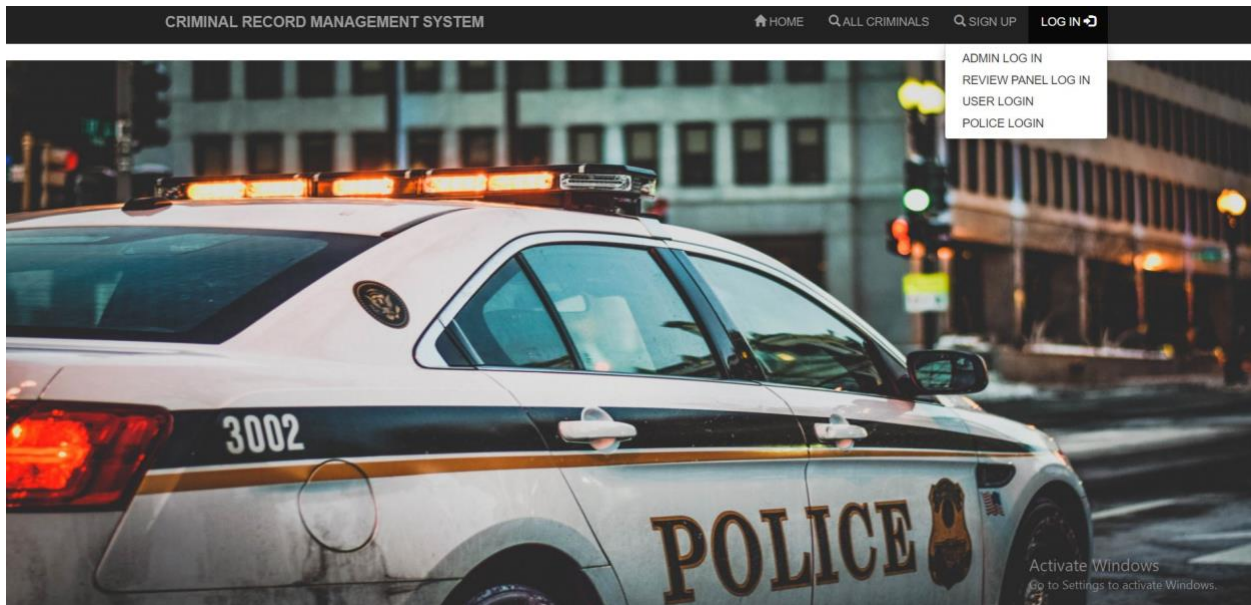
MOST WANTED CRIMINALS

USER LOGIN
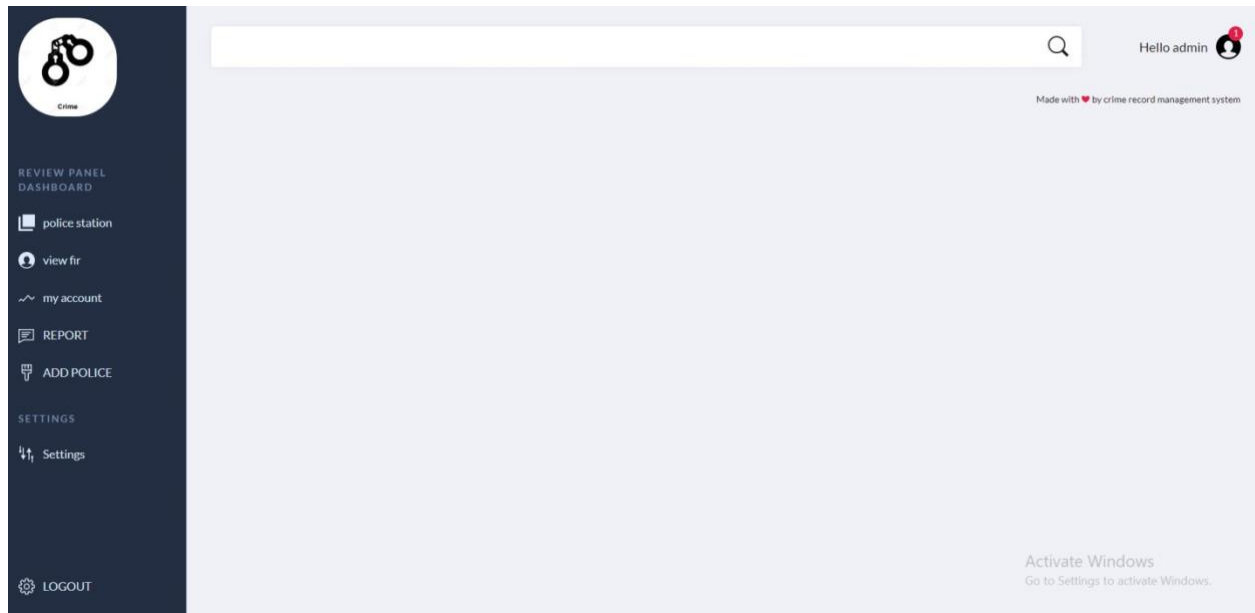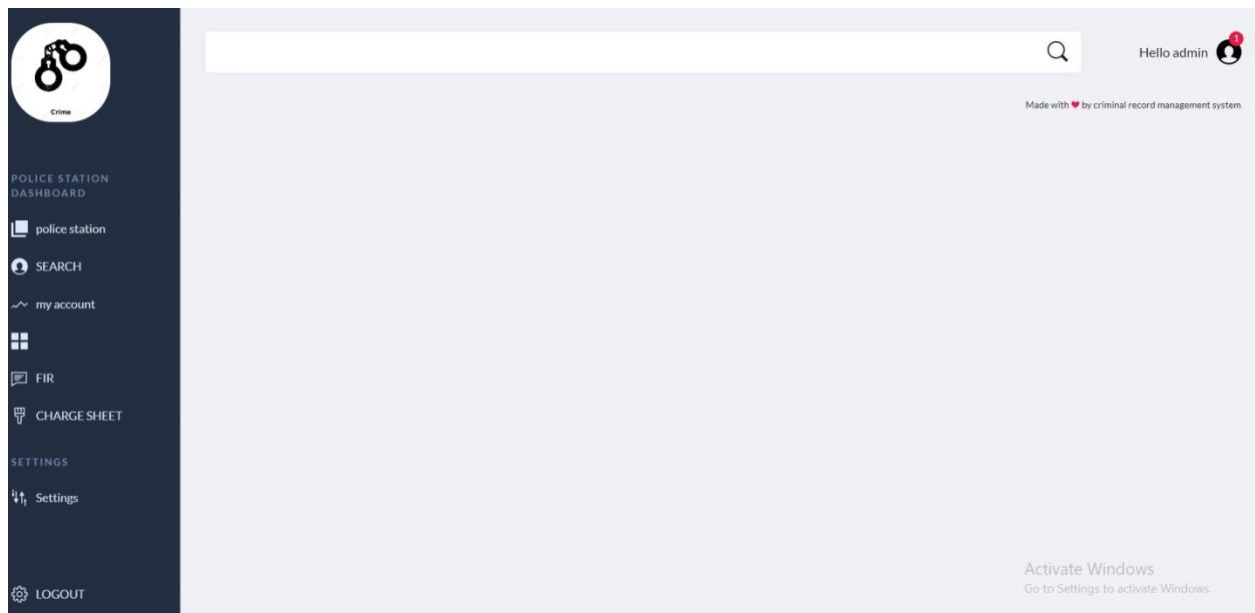

USER DASHBOARD
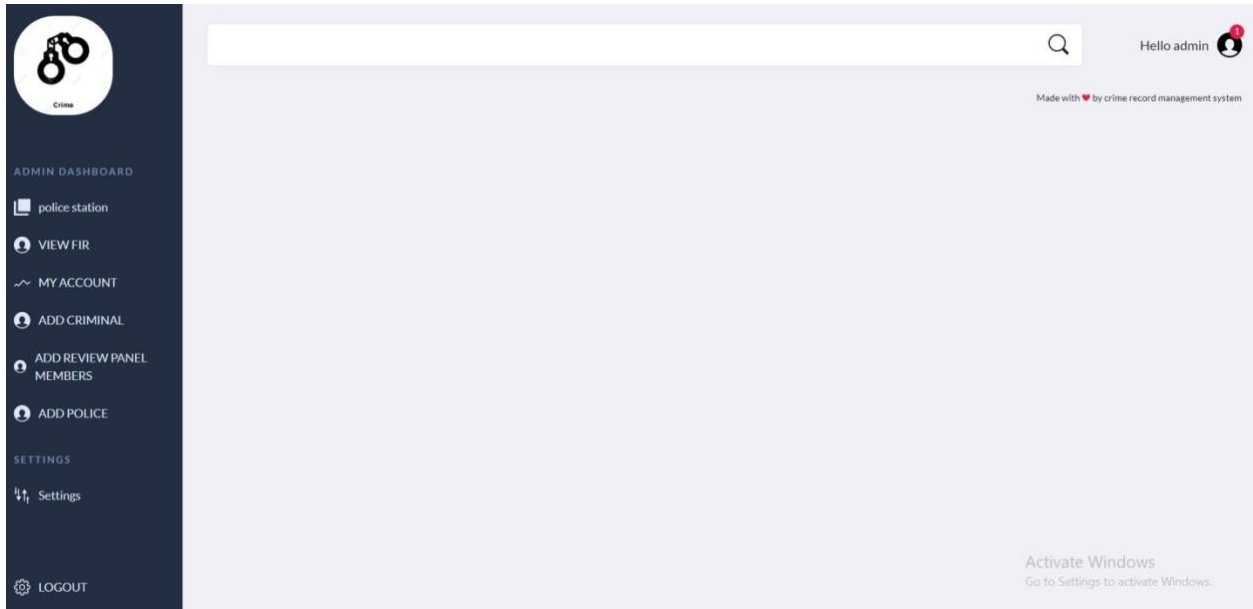
REVIEW PANEL LOGIN
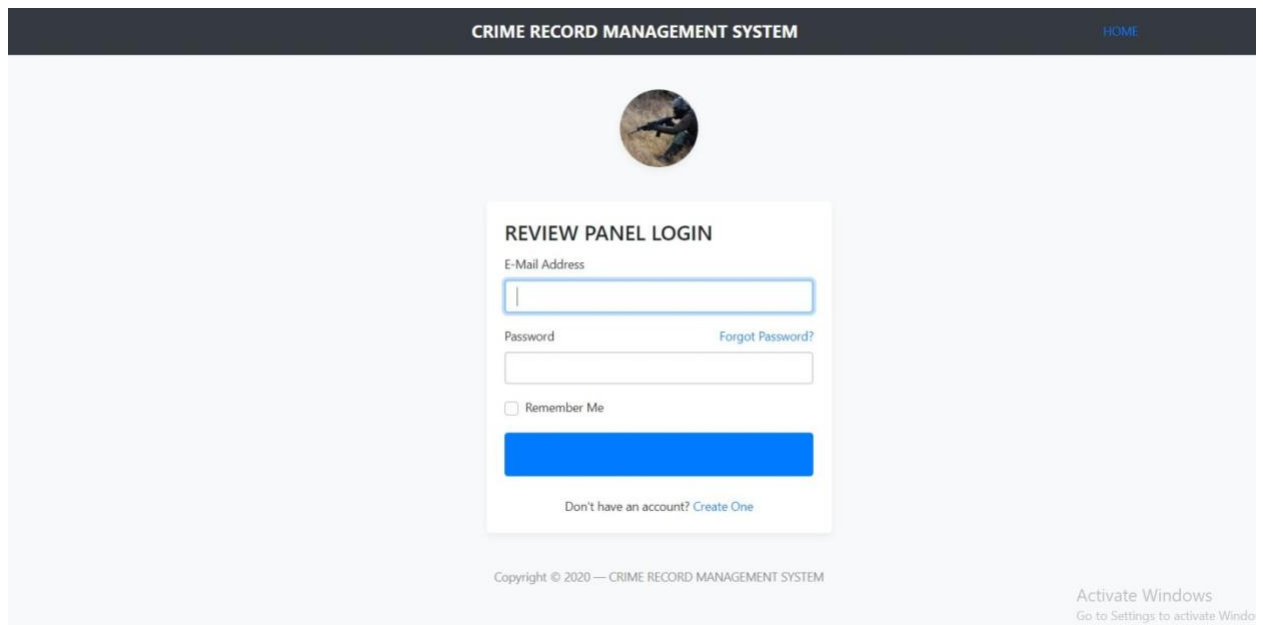
REVIEW PANEL DASHBOARD

POLICE STATION DASHBOARD

ADMIN DASHBOARD

VIEW FIR

FIR ID	E-MAIL OF APPLICANT	NAME OF APPLICANT	PASSWORD OF APPLICANT	PHONE NUMBER OF APPLICANT	ADDRESS OF THE APPLICANT	RELATION WITH THE ACCUSED	ACCUSED NAME	CRIME TYPE
1	rani@gmail.com	rani	rani	2147483647	bishnah	brother	vijay	fraud
2	taylor@gmal.com	krys	shriya	64577657	jammu	friend	rose	abuse
3	priya@gmail.com	priya	priya	64376324	jammu	no relation	bunny	fraud

POLICE STATION

ID	POLICE STATION NAME	LOCATION
1	MASTIKATTA FOREST	delhi
2	Daurala	mumbai
3	Civil Lines	delhi
4	Falawada	jammu
5	Delhi Gate	delhi
6	Mahila Thana	jodhpur

Add criminals details

CRIMINAL RECORD MANAGEMENT SYSTEM   HOME

ADD CRIMINALS DETAILS

E-MAIL ADDRESS

USERNAME

PASSWORD

PHONE NUMBER

91+

CITY

HEIGHT(in cm)

Activate Windows
Go to Settings to activate Windows.

Add review panel

CRIMINAL RECORD MANAGEMENT SYSTEM

ADD REVIEW PANEL MEMBER DETAILS

E-MAIL ADDRESS

USERNAME

PASSWORD

PHONE NUMBER

Add police

ADD POLICE DETAILS

E-MAIL ADDRESS

USERNAME

PASSWORD

PHONE NUMBER

91+

CITY

Activate Wind

Search criminals

ID	E-MAIL OF CRIMINAL	NAME OF CRIMINAL	PASSWORD OF CRIMINAL	PHONE NUMBER OF CRIMINAL	CITY	HEIGHT	WEIGHT	ADDRESS	COUNTRY
1	mohsin@gmail.com	mohsin	mohsin	2147483647	0	100	70	turkey istanbul	turkey
2	NIA@GMAIL.COM	nia	nia	566873	0	160	80	delhi	india