Online Crime Report

JABALPUR ENGINEERING COLLEGE

Project Report on

Online Crime Report

(Web Based System)

For the partial fulfillment of the degree of

MASTER OF COMPUTER APPLICATION

5 th Semester

Session: 2020-2021

Submited to:

Dr. Samar Upadhayay
(Head of the Department)

Submited by:

Vandana Singh
0201CA181038

JABALPUR ENGINEERING COLLEGE

DECLARATION

Student is by declare that this Project Report tittled

Online Crime Report

(Web Based System)

Submitted in partial fulfillment for the award of "MASTER of COMPUTER APPLICATION" is a result of authentic analysis and the research undertaken by us. This same will be used only and only for the academic purpose and noting other than this.

Vandana Singh
0201CA181038

JABALPUR ENGINEERING COLLEGE

ACKNOWLEDGEMENT

The completion of any interdisciplinary project depends upon co-operation, co-ordination and combined effort of several sources of knowledge, energy and time. Hence we approach this matter of acknowledgement through these lines trying our best to give credit wherever it is due.

We are extremely thankful to Dr. Samar Upadhyay [HOD] it would be impossible for us to carry out this project without their continuous guidance and support.

We should also like to extend our thanks to other teachers for helping us to understand the basic system.

It is our proud privilege to express our hear full gratitude and renewable, regard for their abounding and aable guidance inspiration and contractive criticism the tenure of project work,

Submitted by:

Vandana Singh

0201CA181038

JABALPUR ENGINEERING COLLEGE

CERTIFICATE

This is to certify that student of Master of Computer Application at **JABALPUR ENGINEERING COLLEGE** as has completed the project entitled.

Online Crime Report

(Web Based System)

We are submitting the project in partial fulfillment of the Degree of MASTER OF COMPUTER APPLICATION from **JABALPUR ENGINEERING COLLEGE** for academic year **2020-21.**

_____ _____

(Internal Examiner) (External Examiner)

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Dr. Samar Upadhayay
(Head of the Department)

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Abstract

The project titled as **"Online Crime Reporting"** is a web based application. This software provides facility for reporting online crimes, complaints, missing persons, show most wanted person details , show snatchers, show unidentified dead bodies, stolen vehicles as well as messaging.

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.

The **Online Crime Report** project is to provide all crime management solutions which are easily accessible to everyone. The Crime application starts with the common people who want to log a complaint through the website so it can be very useful for police department to find out the problem in the society without people are coming to the police station every time.

CHAPTER 1
INTRODUCTION

This chapter gives an overview about the aim , objectives ,background and operation environment of the system.

1.1 PROJECT AIMS AND OBJECTIVES

The project aims and objectives that will be achieved after completion of this project are discussed in this subchapter. The aims and objectives are as follows:

- The product provides a framework within which a user can easily work with. That was out next objective. We know users are of many categories, like users from who know working with computers very well to users who didn't know about computers. So all the category can use the software. So it should be user friendly.
- The product provides a framework, which is error free. We know a crime management system is actually a critical process having many calculations and operations. So each simple error laid to big problem. So it should be error free and our objective is to build error free software.
- The software is made to work efficiently and effectively. It results in regular and timely action against crime reported. It can be observed that the information can be obtained easily and accurately.

1.2 BACKGROUND OF PROJECT

The system requires very low system resources and the system will work in almost all configurations. It has got following applications.

- Ensure data accuracy's.
- Proper control of the higher officials.
- Minimize manual data entry.

- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendly and interactive.
- Minimum time required.
- Provide security.

1.3 OPERATION ENVIRONMENT

Processor	Intel Core Processor or Better Performance
Operating System	Windoes Vista, Windows 7, Windows 10, Ubuntu
Memory	1 GB RAM or More
Hard Disk Space	Minimum 3 GB for DataBase Usages for Future
DataBase	MySQL

CHAPTER 2

SYSTEM ANALYSIS

In this chapter, we will discuss and analyze about the developing process of **Online Crime Report** including software requirement specification (SRS) and comparison between existing and proposed system . The functional and non functional requirements are included in SRS part to provide complete description and overview of system requirement before the developing process is carried out. Besides that, existing vs proposed provides a view of how the proposed system will be more efficient than the existing one.

2.1 SOFTWARE REQUIREMENT SPECIFICATION

2.1.1 GENERAL DESCRIPTION

PRODUCT DESCRIPTION:

Online Crime Report is a computerized system which helps The product provides a framework within which a user can easily work with. That was out next objective. We know users are of many categories, like users from who know working with computers very well to users who didn't know about computers. So all the category can use the software. So it should be user friendly

the risk of paper work such as file lost, file damaged and time consuming.

It can help user to manage the transaction or record more effectively and time saving.

PROBLEM STATEMENT:

The problem occurred before having computerized system includes:

- File lost

  When computerized system is not implemented file is always lost because of human environment.Some times due to some human error there may be a loss of records.

- File Damaged

  When a computerized system is not there file is always lost due to some accdent like spilling of water by some member on file accidentally. Besides some natural disaster like floods or fires may also damage the files.

- Diffcult to search records

  When there is no computerized system there is always a difficulty in searching of records if the records are large in numbe

- Space consuming

  After the number of records become large the space for physical storage of file and records also increases if no computerized system is implemented.

- Const consuming

  As there is no computerized system the to add each record paper will be needed which will increase the cost for the management of library.

2.1 .2 SYSTEM OBJECTIVES

- **Improvement in control and performance**
  The system is developed to cope up with the current issues and problems of criminal records, The system can add user, validate user and is also bug free.
- **Save cost**
  After computerized system is implemented less human force will be required to maintain the library thus reducing the overall cost.
- **Save time**

  The size of the database increases day-by-day, increasing the load on the database.
- **Ensure data accuracy's.**
- **Proper control of the higher officials.**
- **Minimize manual data entry.**
- **Minimum time needed for the various processing.**
- **Greater efficiency.**
- **Better service.**
- **User friendly and interactive.**
- **Minimum time required.**
- **Provide security.**

2.1.3 SYSTEM REQUIREMENTS

2.1.3.1 NON FUNCTIONAL REQUIREMENTS

Product Requirements

EFFICIENCY REQUIREMENT

When a online crime report will be implemented police and user will easily acess criminal records as searching will be very faster .

RELIABILITY REQUIREMENT

The system should accurately performs member registration, member , validation report generation, book transaction and search

USABILITY REQUIREMENT

The system is designed for a user friendly environment so that police and users of complaints can perform the various tasks easily and in an effective way.

ORGANIZATIONAL REQUIREMENT

IMPLEMENTATION REQUIREMNTS

In implementing whole system it uses html in front end with php as server side scripting language which will be used for database connectivity and the backend ie: the database part is developed using mysql.

1. NORMAL USER

1.1 USER LOGIN

Description of feature

This feature used by the user to login into system. They are required to enter user id and password before they are allowed to enter the system .
The user id and password will be verified and if invalid id is there user is allowed to not enter the system.

-user id is provided when they register
-The system must only allow user with valid id and password to enter the system
-The system performs authorization process which decides what user level can acess to.
-The user must be able to logout after they finished using system.

1.2 REGISTER NEW USER

Description of feature

This feature can be performed by all users to register new user to create account.

Functional requirements

-System must be able to verify information
-System must be able to delete information if information is wrong

2. ADMIN

2.1 ADMIN LOGIN

Description of feature

This feature used by the user to login into system. They are required to enter user id and password before they are allowed to enter the system .
The user id and password will be verified and if invalid id is there user is allowed to not enter the system.

-The system must only allow user with valid id and password to enter the system
-The system performs authorization process which decides what user level can acess to.
-The user must be able to logout after they finished using system.

2.1.4 SOFTWARE AND HARDWARE REQUIREMENTS

This section describes the software and hardware requirements of the system

2.1.4.1 SOFTWARE REQUIREMENTS

Operating system- Windows 7 is used as the operating system as it is stable and supports more features and is more user friendly

Database MYSQL-MYSQL is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.

Development tools and Programming language- HTML is used to write the whole code and develop webpages with css, java script for styling work and php for sever side scripting.

2.1.4.2 HARDWARE REQUIREMENTS

Intel core i5 2nd generation is used as a processor because it is fast than other processors an provide reliable and stable and we can run our pc for longtime. By using this processor we can keep on developing our project without any worries.

Ram 1 gb is used as it will provide fast reading and writing capabilities and will in turn support in processing.

Existing System:

In the existing system only 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. Some drawbacks written below.

- More man power.
- Time consuming.
- Consumes large volume of pare work.
- Needs manual calculations.
- No direct role for the higher officials.
- amage of machines due to lack of attention.
- The size of the database increases day-by-day, increasing the load on the database.
- At present there is no back up and data maintenance activity.
- Training for simple computer operations is necessary for the users working on the system.

Proposed System:

The manual system has some drawbacks which can be overcome by using the web based software. The following reasons explain by it is needed.

- Citizens not need to go police station to see the criminals information. they can directly see information on site.
- isitor can easily get the information about the crime and criminal.
- Reduce the man power , and also reduce the time.
- Member can view the current status of the criminal.

2.3 SOFTWARE TOOLS USED

The whole Project is divided in two parts the front end and the back end.

2.3.1 Front End

The front end is designed using of html , Php ,css, Java script

- **HTML- Hyper Text Markup Languageis**

  the main markuplanguage for creating web pages and other information that can be displayed in a web browser.HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets (like <html>), within the web page content. HTML tags most commonly come in pairs like <h1> and </h1>, although some tags represent empty elements and so are unpaired, for example <img>. The first tag in a pair is the start tag, and the second tag is the end tag (they are also called opening tags and closing tags). In between these tags web designers can add text, further tags, comments and other types of text-based content. The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page.HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as JavaScript which affect the behavior of HTML web pages.

- **CSS- Cascading Style Sheets**

  is a style sheet language used fordescribing the look and formatting of a document written in a markup language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification. of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design)

.CSS can also allow the same markup page to be presented in different styles for different rendering methods, such as on-screen, in print, by voice (when14 read out by a speech-based browser or screen reader) and on Braille-based, tactile devices. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their own computer, to override the one the author has specified. However if the author or the reader did not link the document to a specific style sheet the default style of the browser will be applied.CSS specifies a priority scheme to determine which style rules apply if more than one rule matches against a particular element. In this so-called cascade, priorities or weights are calculated and assigned to rules, so that the results are predictable.

- **js- JavaScript**

  is a dynamic computer programminglanguage. It is most commonly used as part of web browsers, whose implementations allow client- side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side programming, game development and the creation of desktop and mobile applications. JavaScript is a prototype-based scripting language with dynamic typing and has first-class functions. Its syntax was influenced by C. JavaScript copies many names and naming conventions from Java, but the two languages are otherwise unrelated and have very different semantics. The key design principles within JavaScript are taken from the Self and Scheme programming languages. It is a multi- paradigm language, supporting object-oriented, imperative, and functional programming styles. The application of JavaScript to use outside of web pages—for example, in PDF documents, site-specific browsers, and desktop widgets—is also significant. Newer and faster JavaScript VMs and platforms built upon them (notably Node.js) have also increased the popularity of JavaScript for server-side web applications. On the client side, JavaScript was traditionally implemented as an interpreted language but just-in-time compilation is now performed by recent (post-2012) browsers.

- **PHP – Hypertext PreProcessor**

  PHP a server-side scripting language designed for webdevelopment but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers. Originally created by Rasmus Lerdorf in 1995, Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP: HypertextPreprocessor, a recursive backronym.PHP code is interpreted by a webserver with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications. PHP is free software released under the PHP License. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

- **MySQL DataBase**

  ("My S-Q-L", officially, but also called "My Sequel") is (as ofJuly 2013) the world's second most widely used open-source relational database management system (RDBMS). It is named after co-founder Michael Widenius daughter, My. The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation .MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack (and other 'AMP' stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full-featured database management system often use MySQL. For commercial use, several paid editions are available, and offer additional functionality. Applications which use MySQL databases

  include: TYPO3, MODx, Joomla, WordPress, phpBB, MyBB, Drupal and other software. MySQL is also used in many high-profile, large-scale websites, including Wikipedia, Google (though not for searches), Facebook, Twitter, Flickr, and YouTube

CHAPTER 3

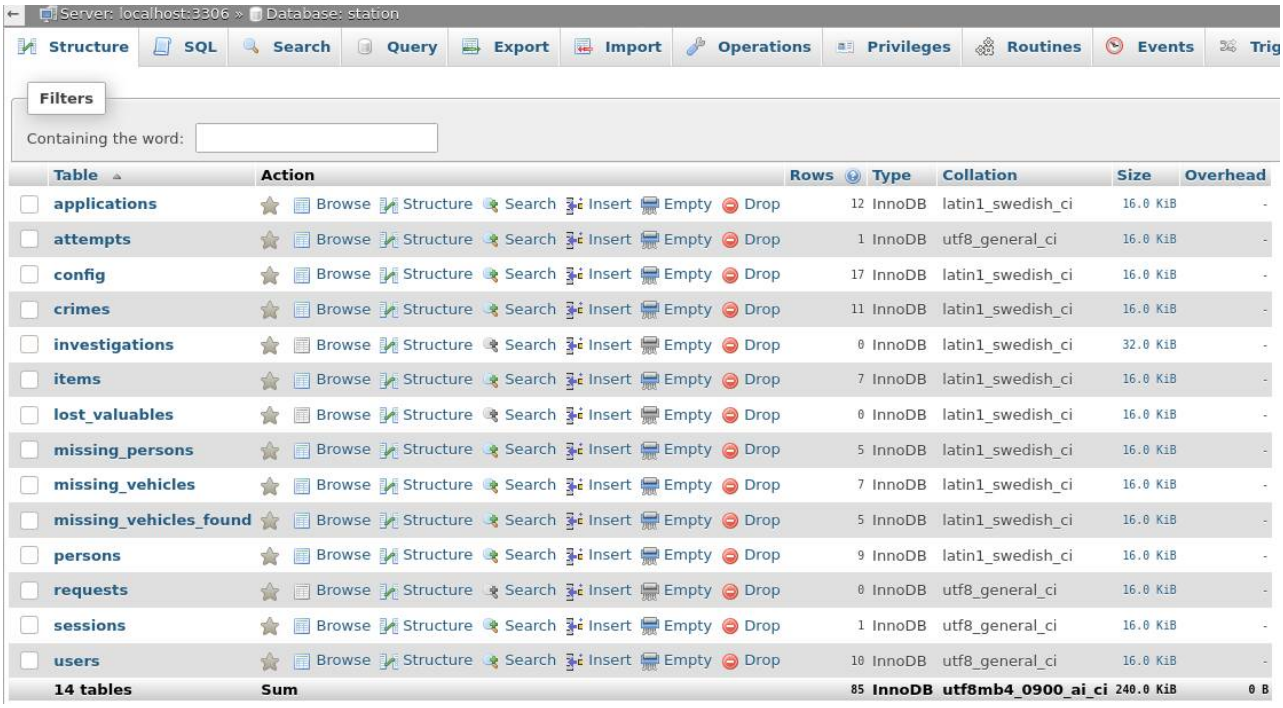
SYSTEM DESIGN

3.1 TABLE DESIGN

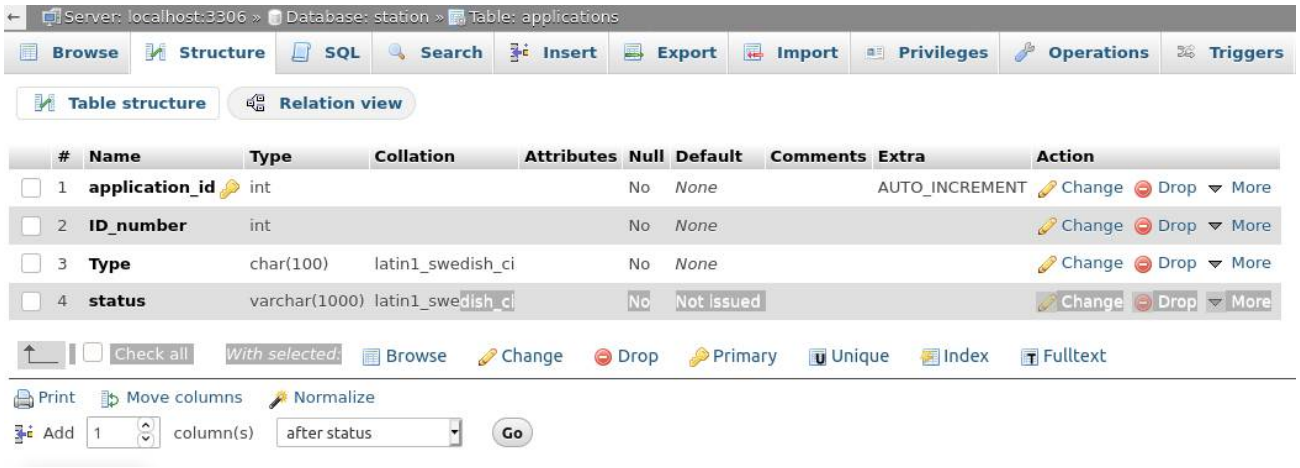
VARIOUS TABELS TO MAINTAIN INFORMATION

Tables_in_station

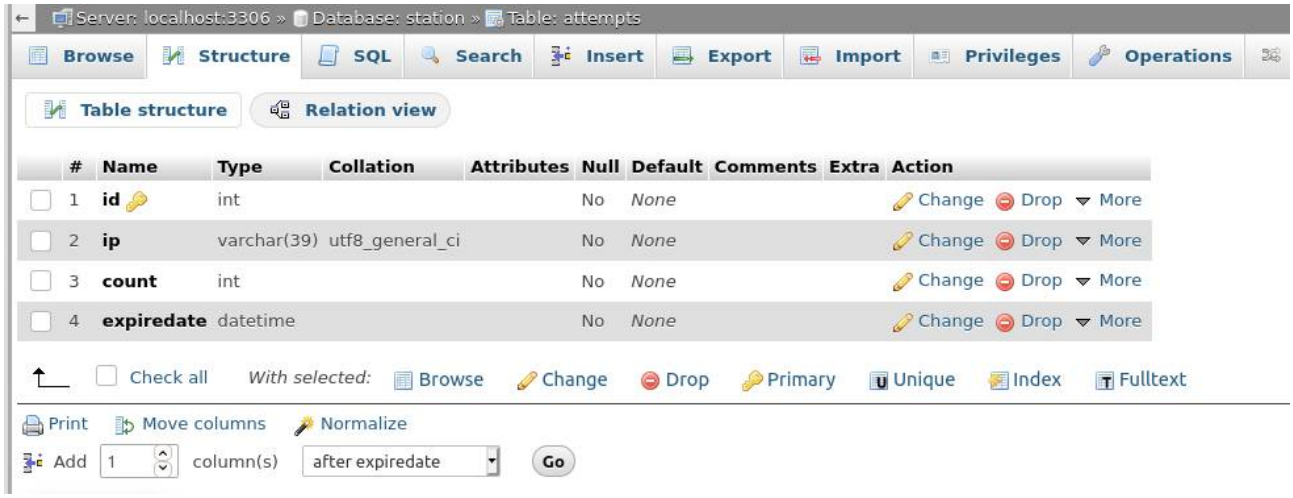
- applications
- attempts
- config
- crimes
- investigations
- items
- lost_valuables
- missing_persons
- missing_vehicles
- missing_vehicles_found
- persons
- requests
- sessions
- users
-



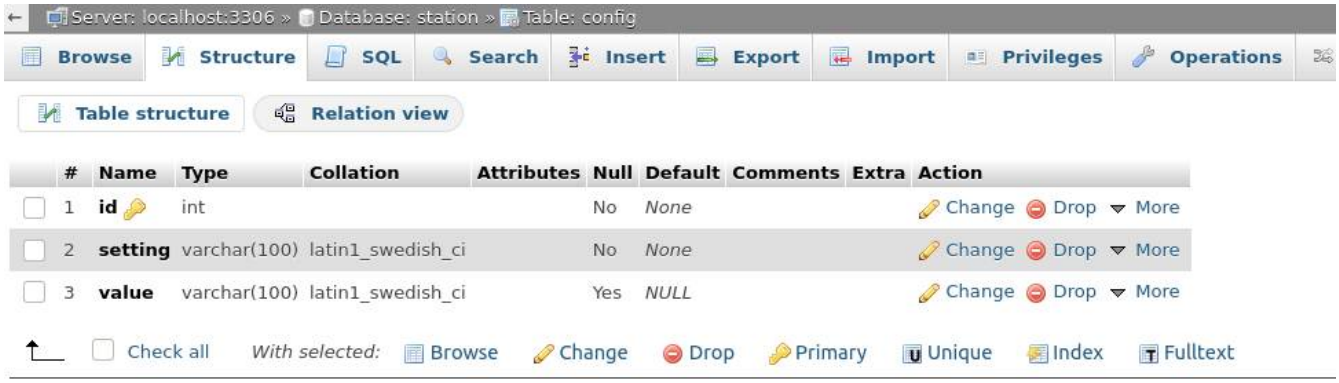
- **Applications** Table from Database



- **Attempts** from Database



- **config** Table from Database

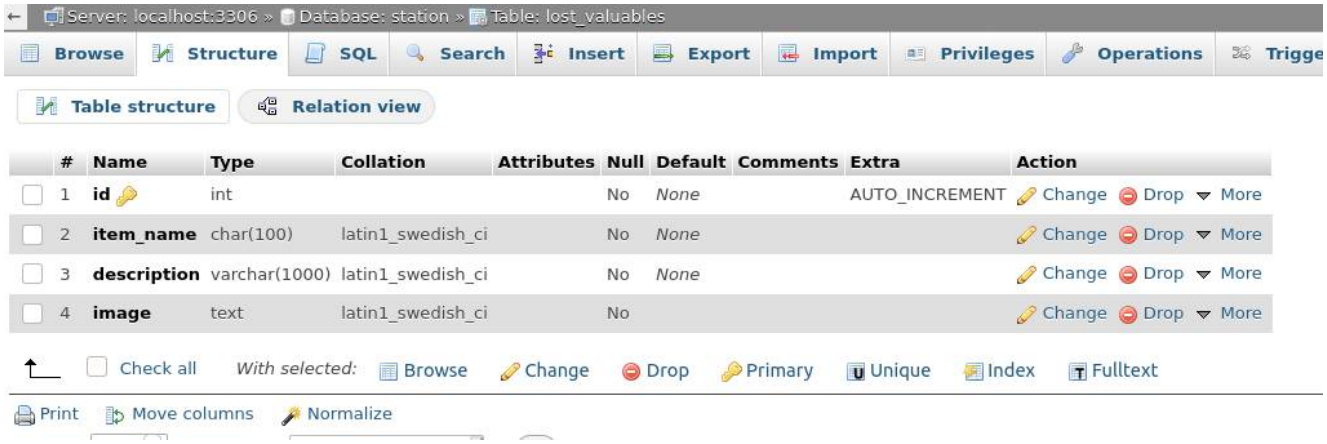


- **crimes** from Database

- **Investigations** Table from Database

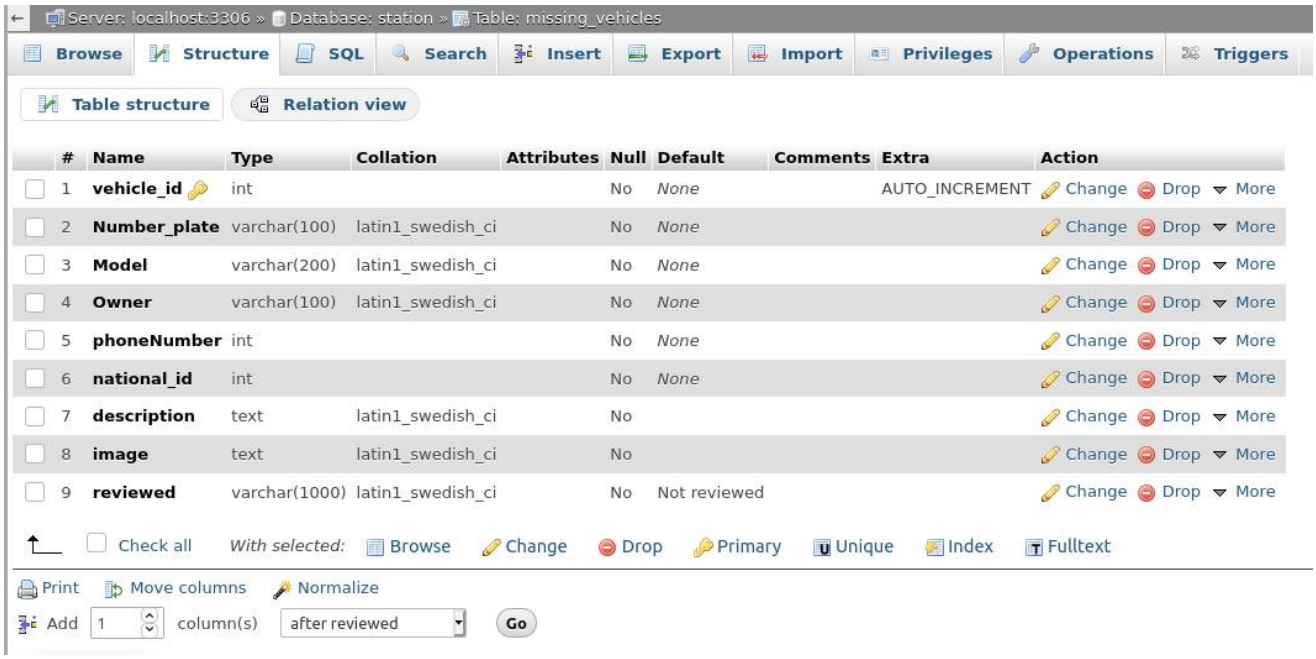
- **items** from Database

- **Lost valuables** Table from Database

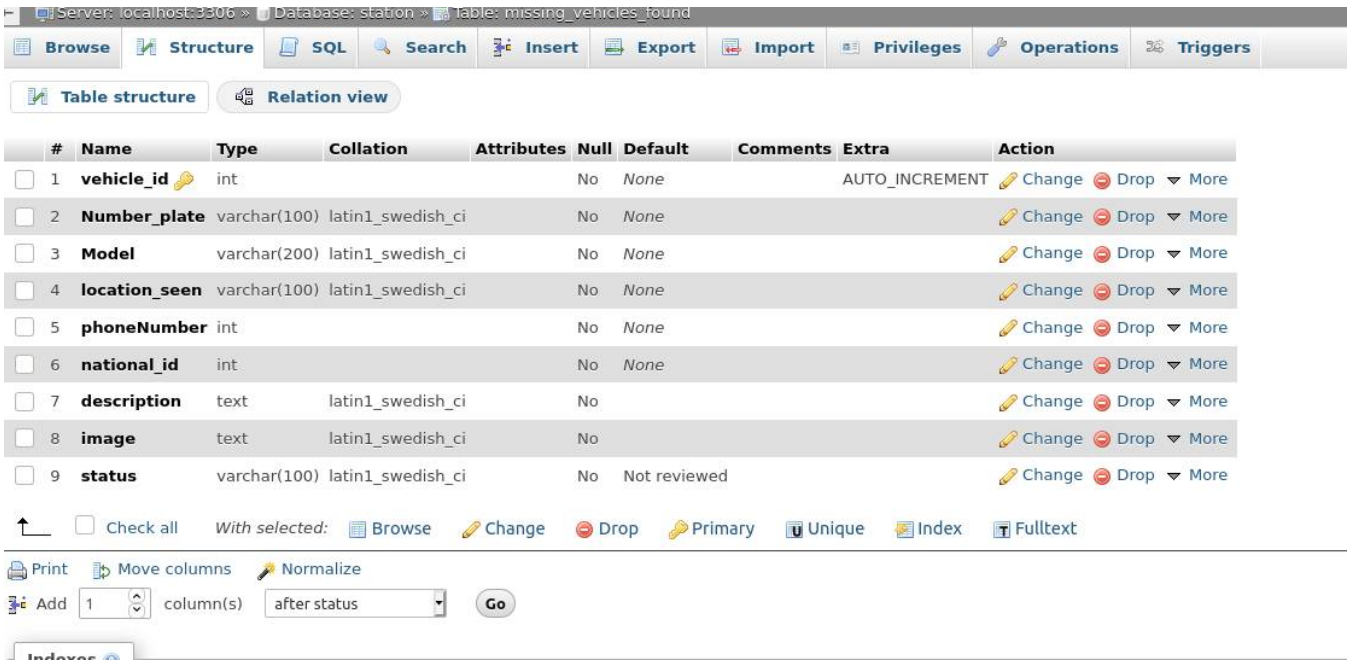


- **Missing persons** from Database

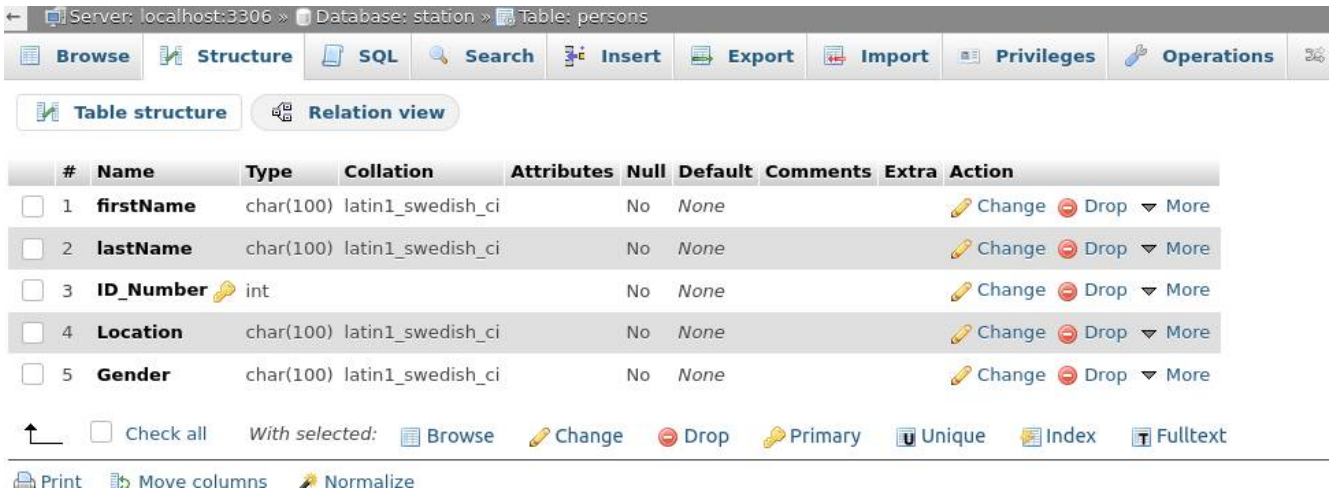
- **Missing vehicles** Table from Database



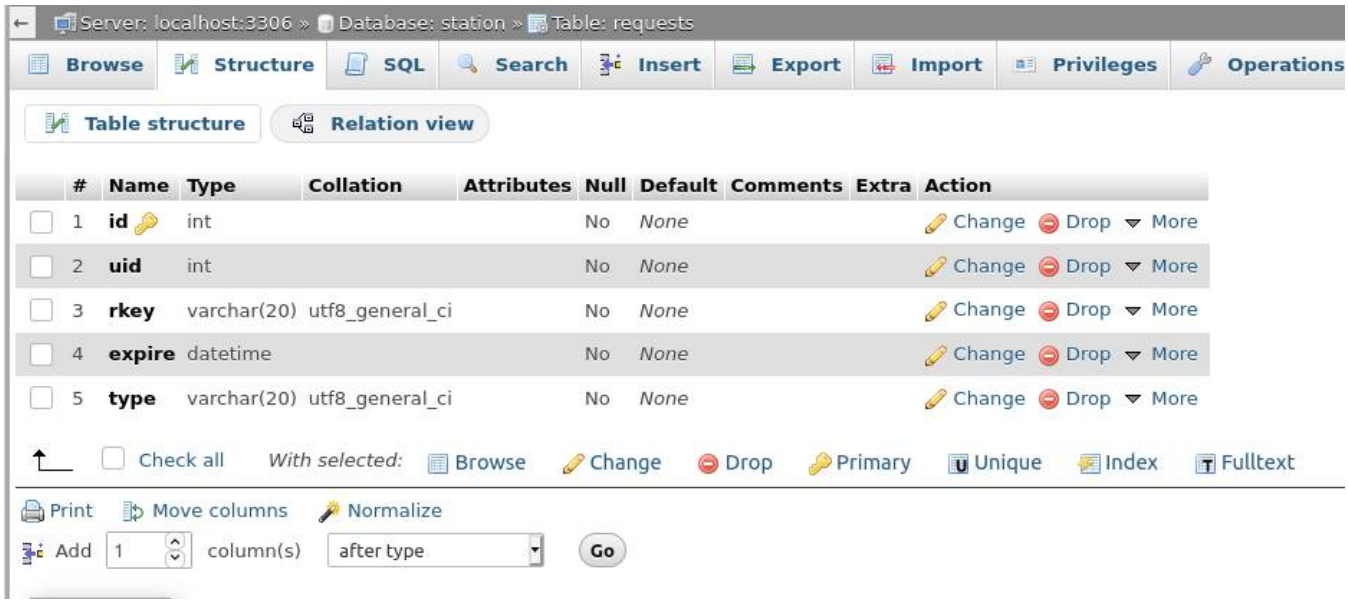
- **Missing vehicles found** from Database



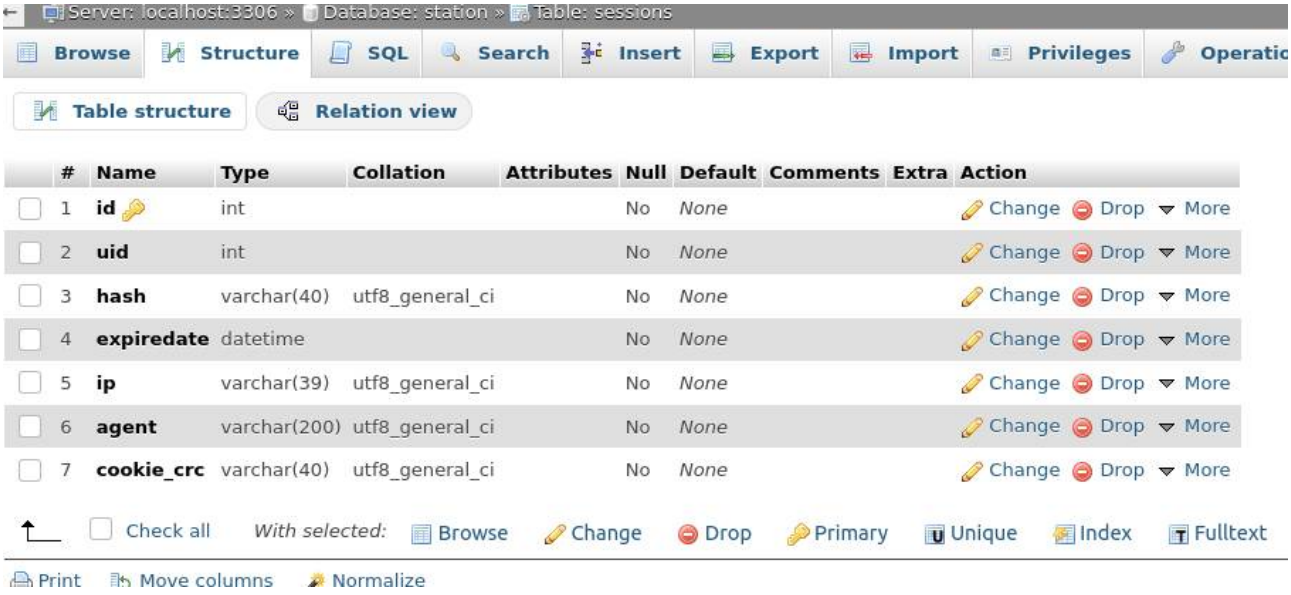
- **Persons** Table from Database



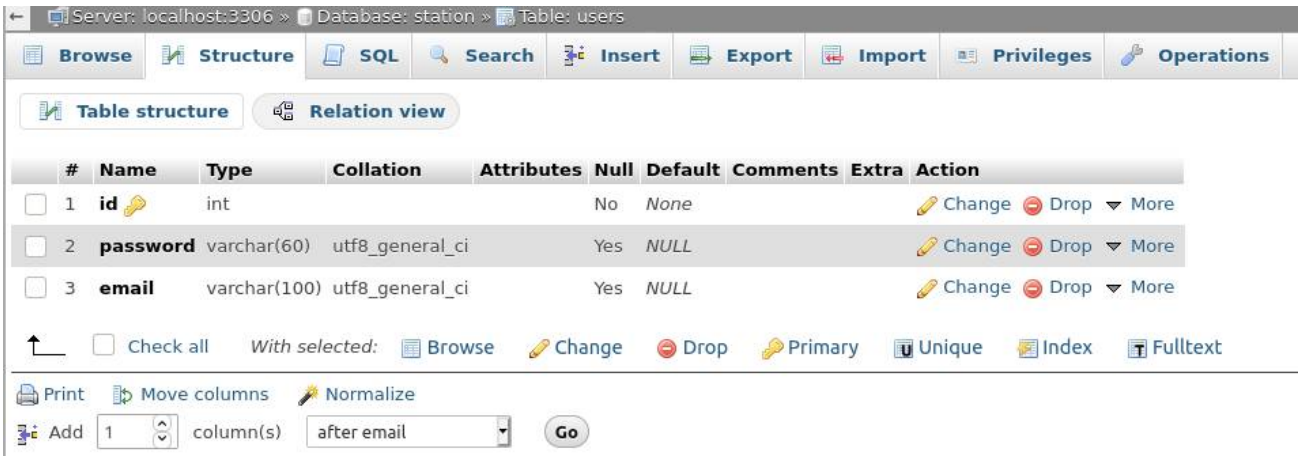
- **Requests** from Database



- **Sessions** Table from Database

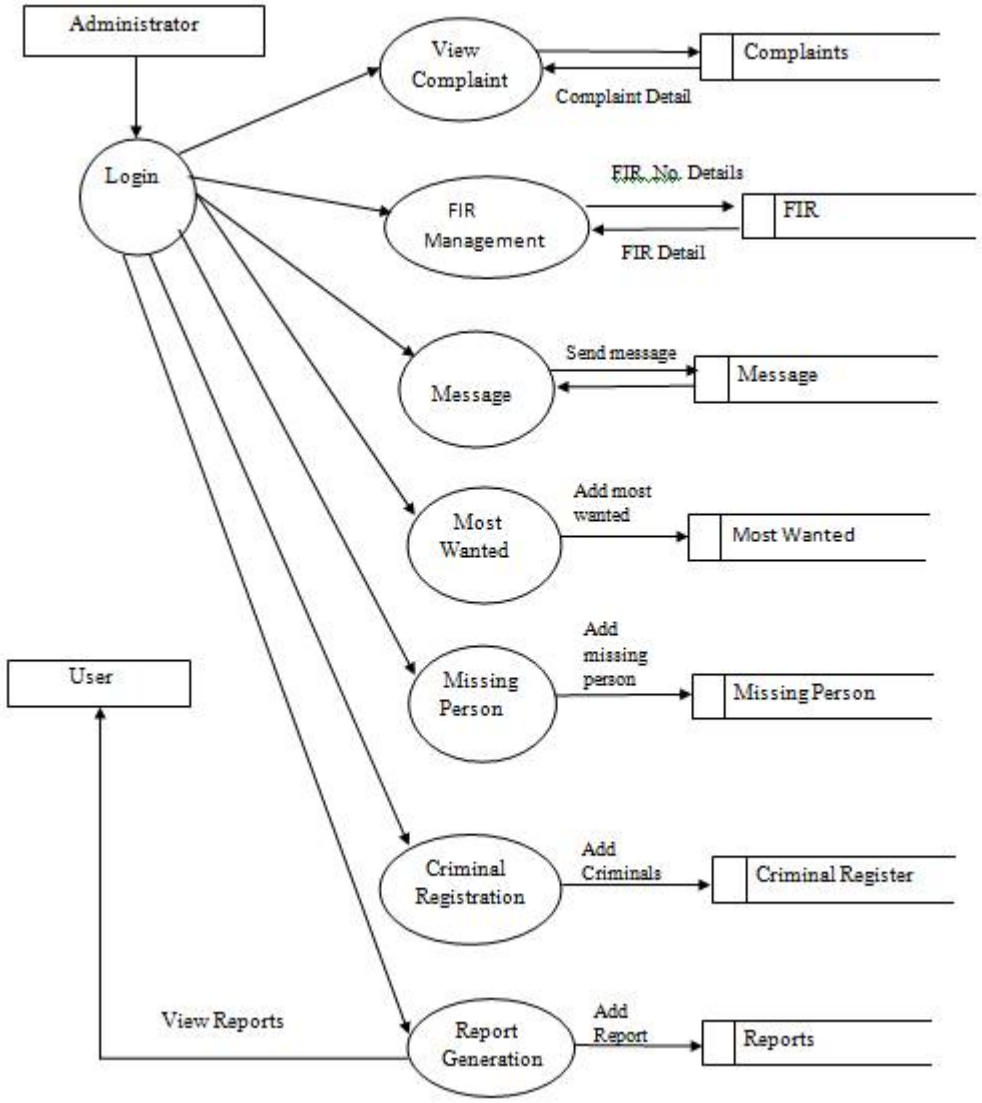


- **Users** from Database



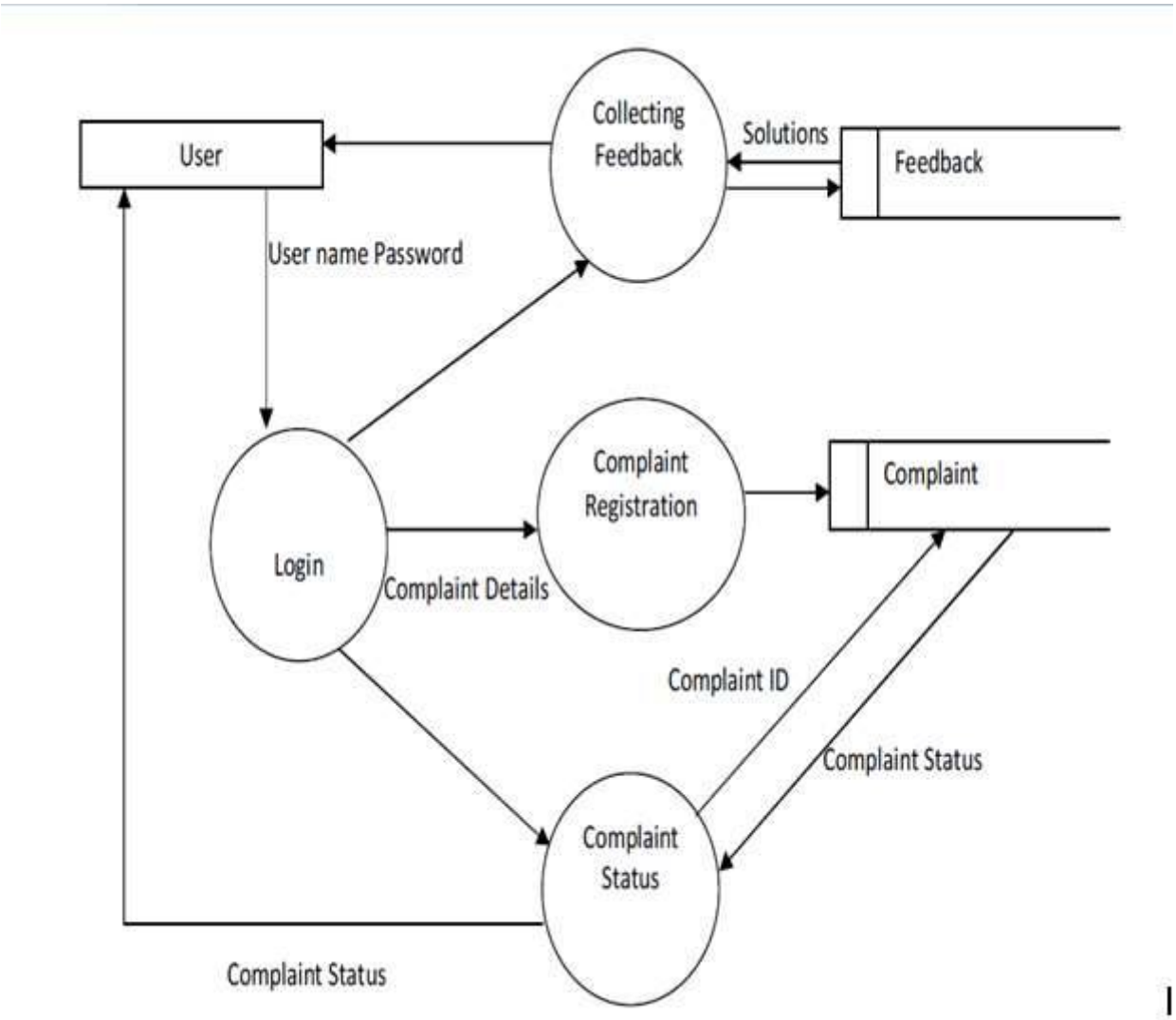
3.2 DATA FLOW DIAGRAMS

DATA FLOW DIAGRAM FOR ADMIN LOGIN



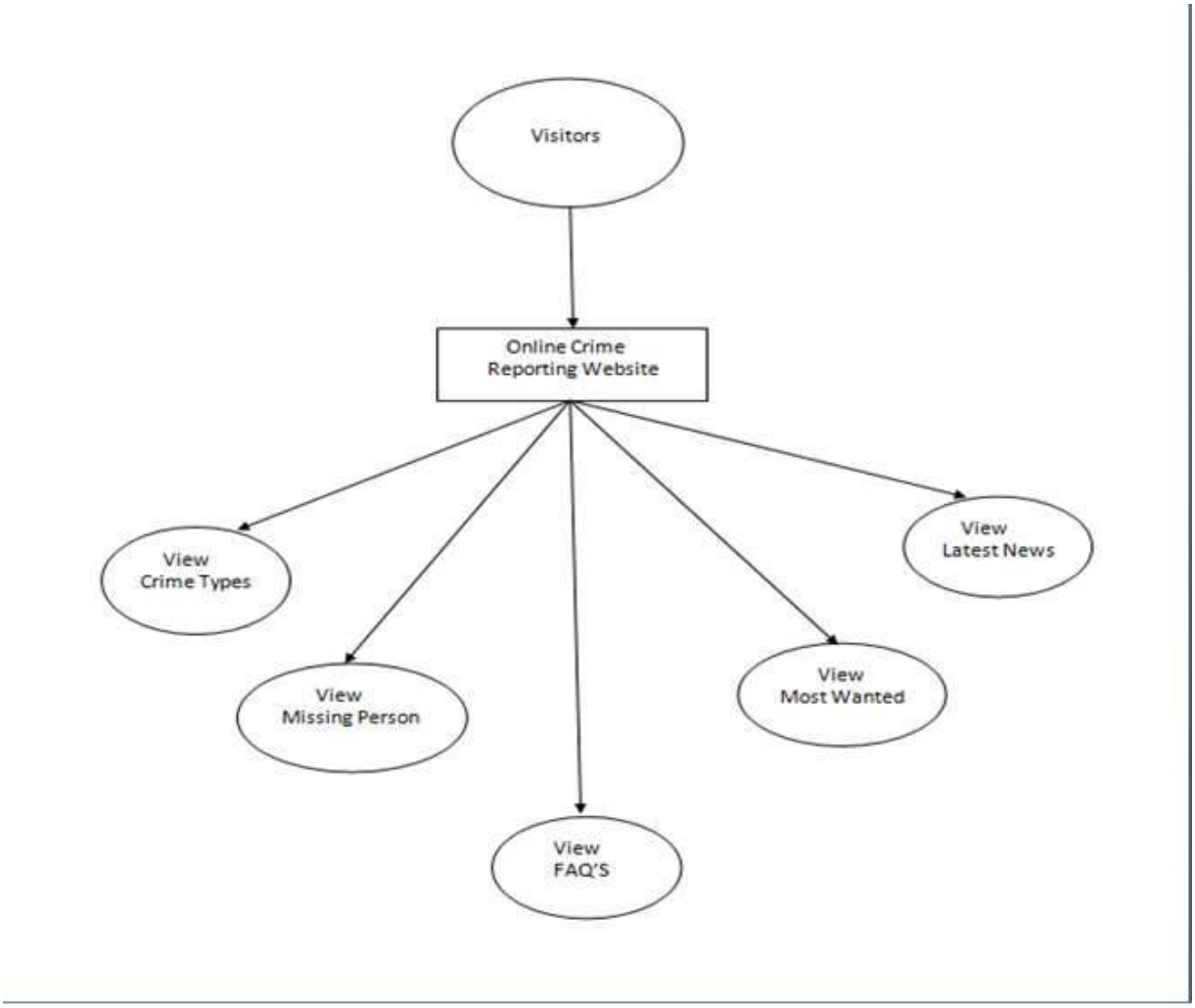
After entering to the home page of the website, Admin can choose the Admin Login option where they are asked to enter username & password, and if he/she is a valid user then a teacher login page will be displayed.

USE CAESE DIAGRAM FOR USER



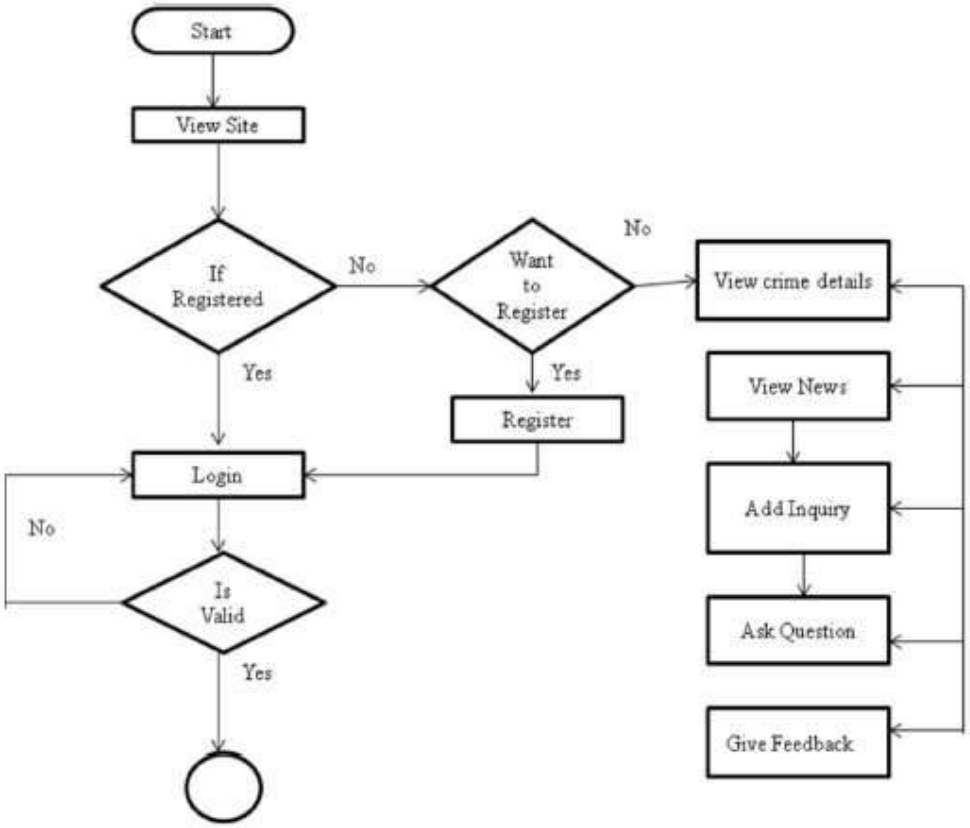
After entering to the home page of the website , student can choose the USER LOGIN option where they are asked to enter username & password , and if he/she is a valid user then a student login page will be displayed.

DATA FLOW DIAGRAM FOR VISITOR



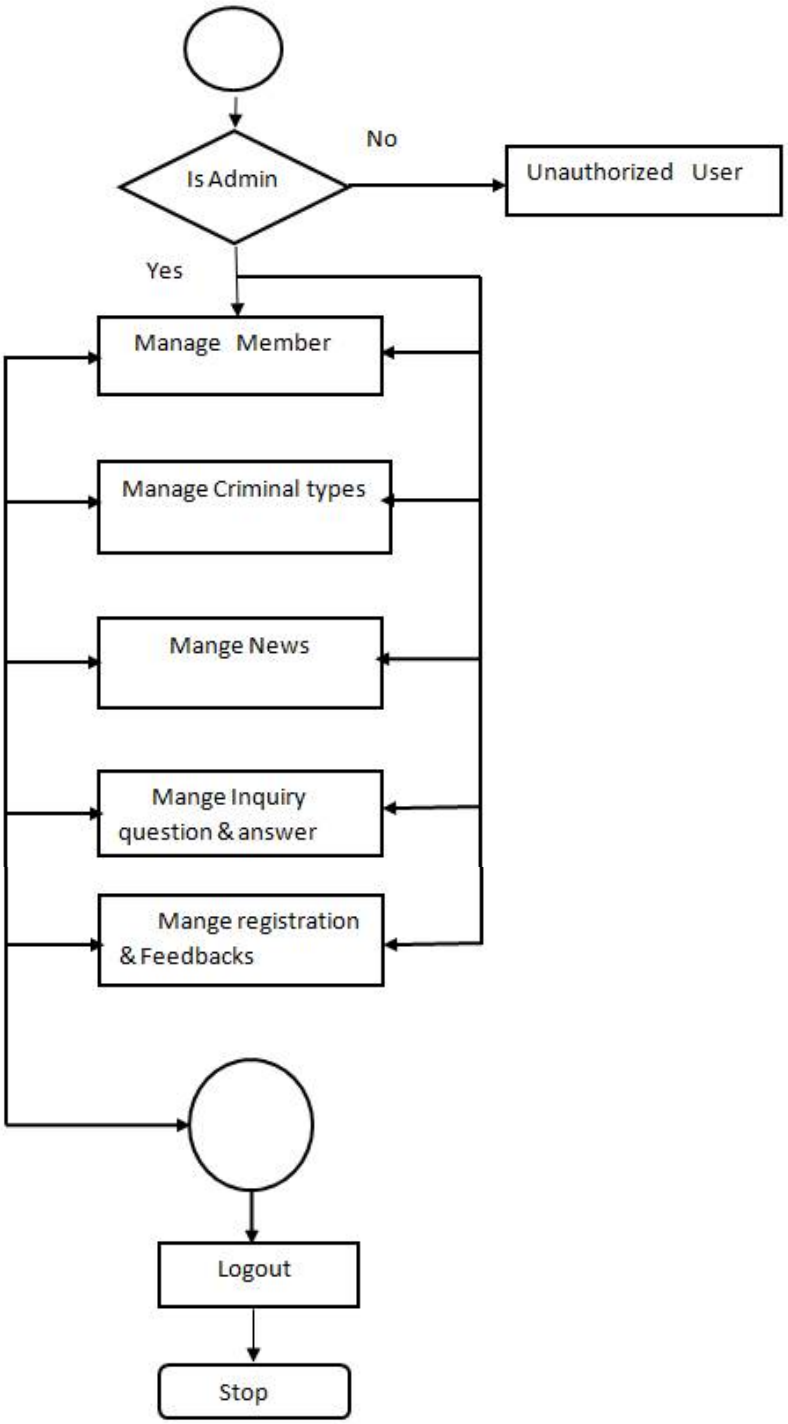
3.2 FLOW CHART

3.2.1 FLOW CHART 1



After entering to the home page of the website, Admin can choose the Admin Login option where they are asked to enter username & password, and if he/she is a valid user then a teacher login page will be displayed.

3.2.1 FLOW CHART 2



CHAPTER 4

SYSTEM IMPLEMENTATION

4.1 MODULE DESCRIPTION

For **Online Crime Report** it is divided into the following Modules:

- **admin module**

➔ http://localhost/crime-reporting/login.php

This module helps the admin in following things:

- View and Reply User Complaint.
- View and Reply User Crimes.
- Add, Delete and Hide Latest Hot news.
- View and Delete User's Feedback
- Add, Delete and View Most wanted Persons.
- Add, Delete and View Missing Persons.
- Add and View Criminal Registration.
- Send Message to user
- Change password.

- **admin module**

➔ http://localhost/crime-reporting/login.php

This module helps the user in following ways:

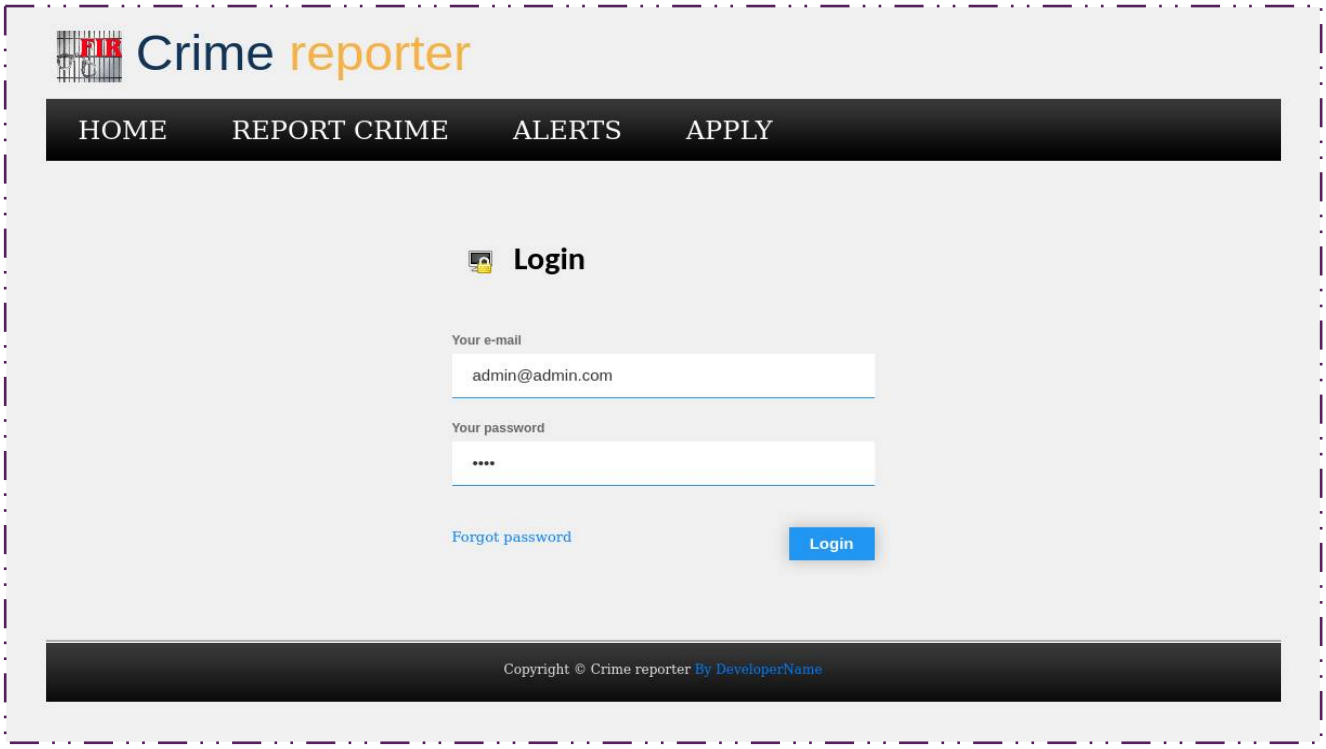
- Add Online Complaints.
- Check Complaint Status.
- Edit Complaints.
- Add Missing Person Report.
- Ask Questions.
- Send Messages.
- Give Feedbacks
- Change Password.

- **visitor module**

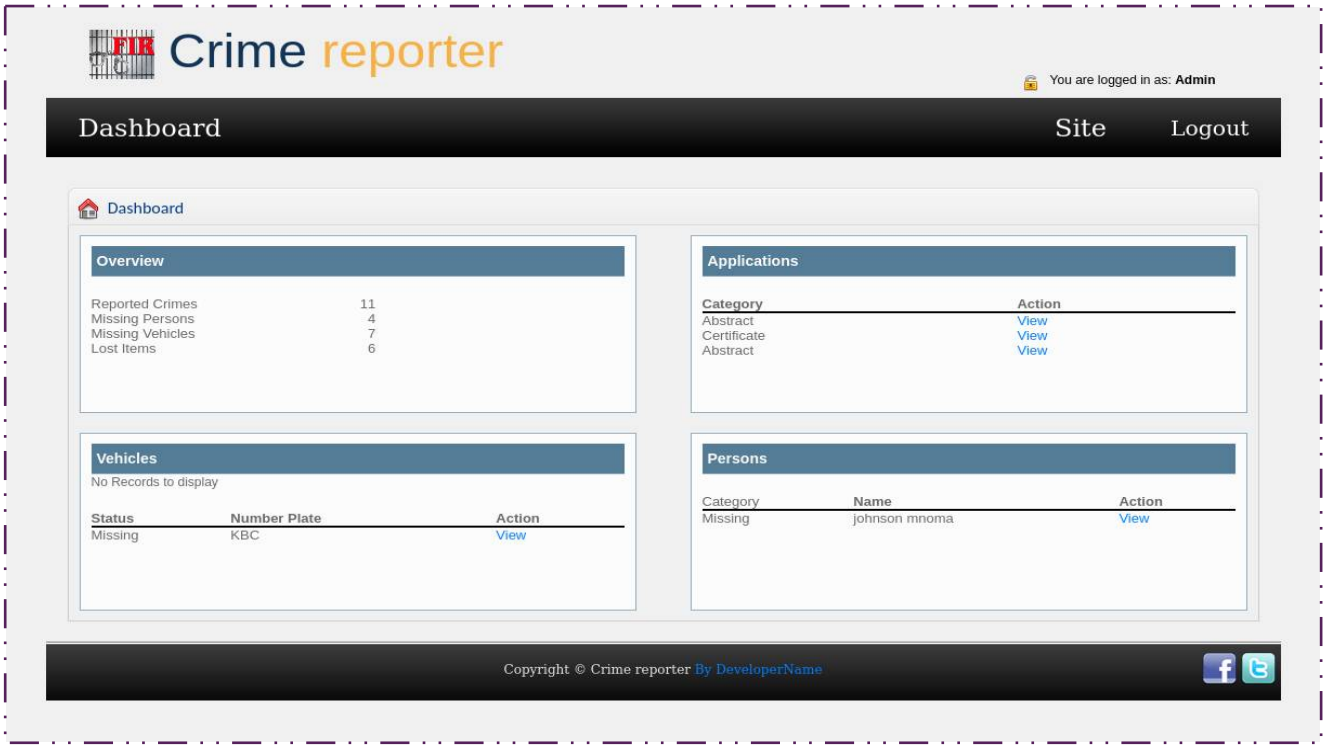
4.2 SCREEN SHOTS

➢ Screenshot for **HOME**

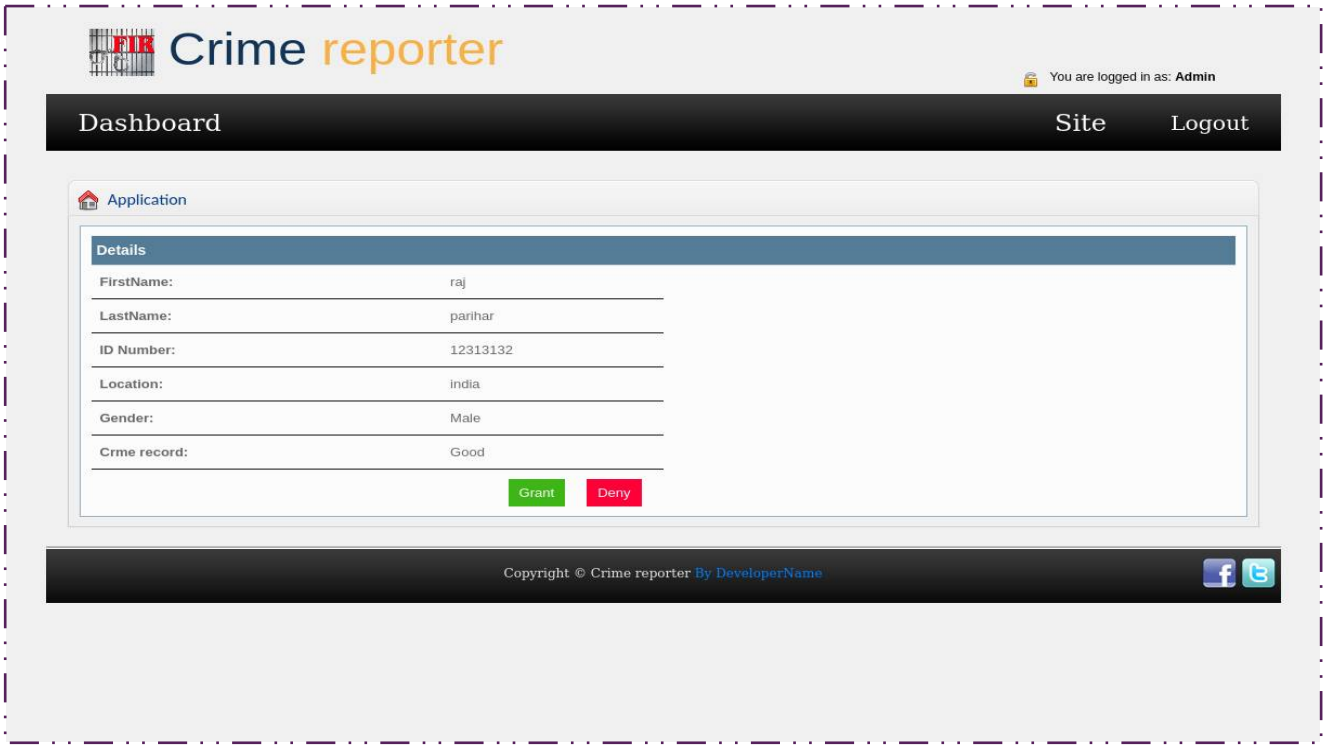
➢ Screenshot for **Login** (Admin)



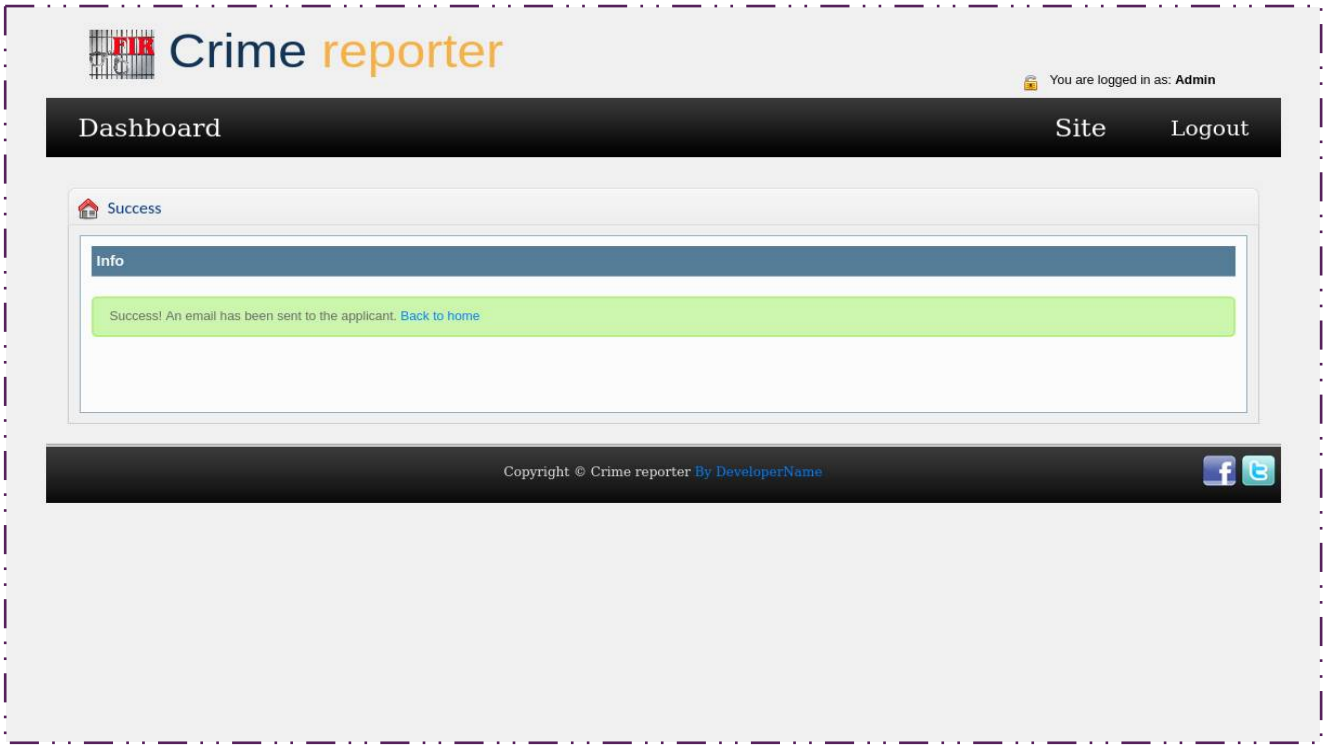
➢ Screenshot for **Dashboard** (Admin)



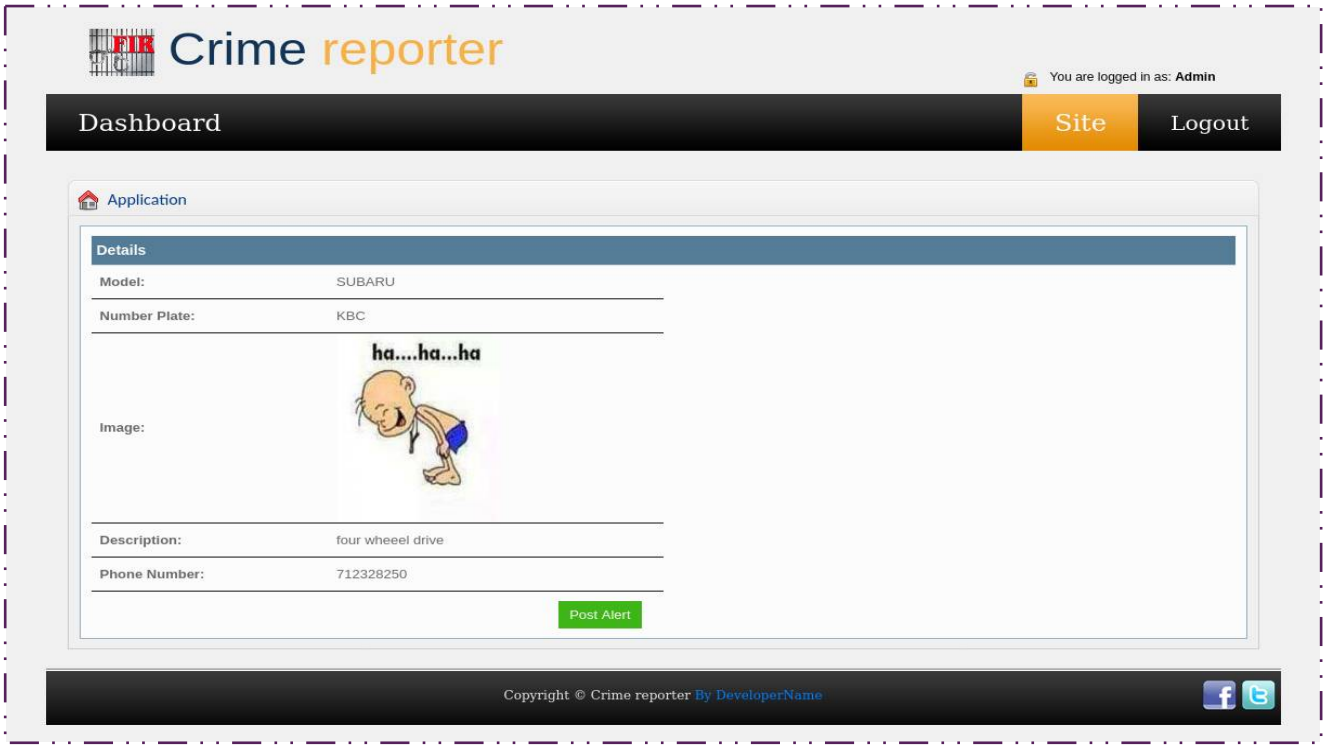
➢ Screenshot for **Application View** (Admin)



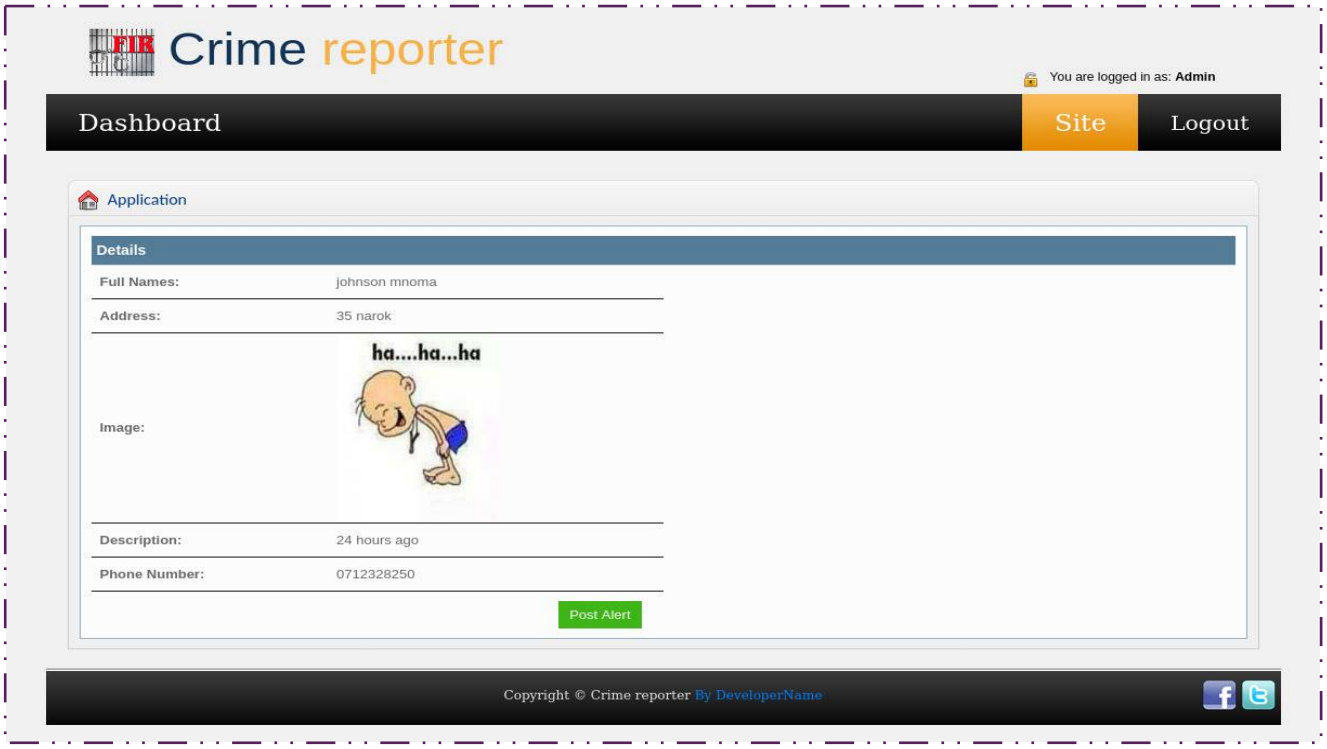
➢ Screenshot for **Application Granted** (Admin)



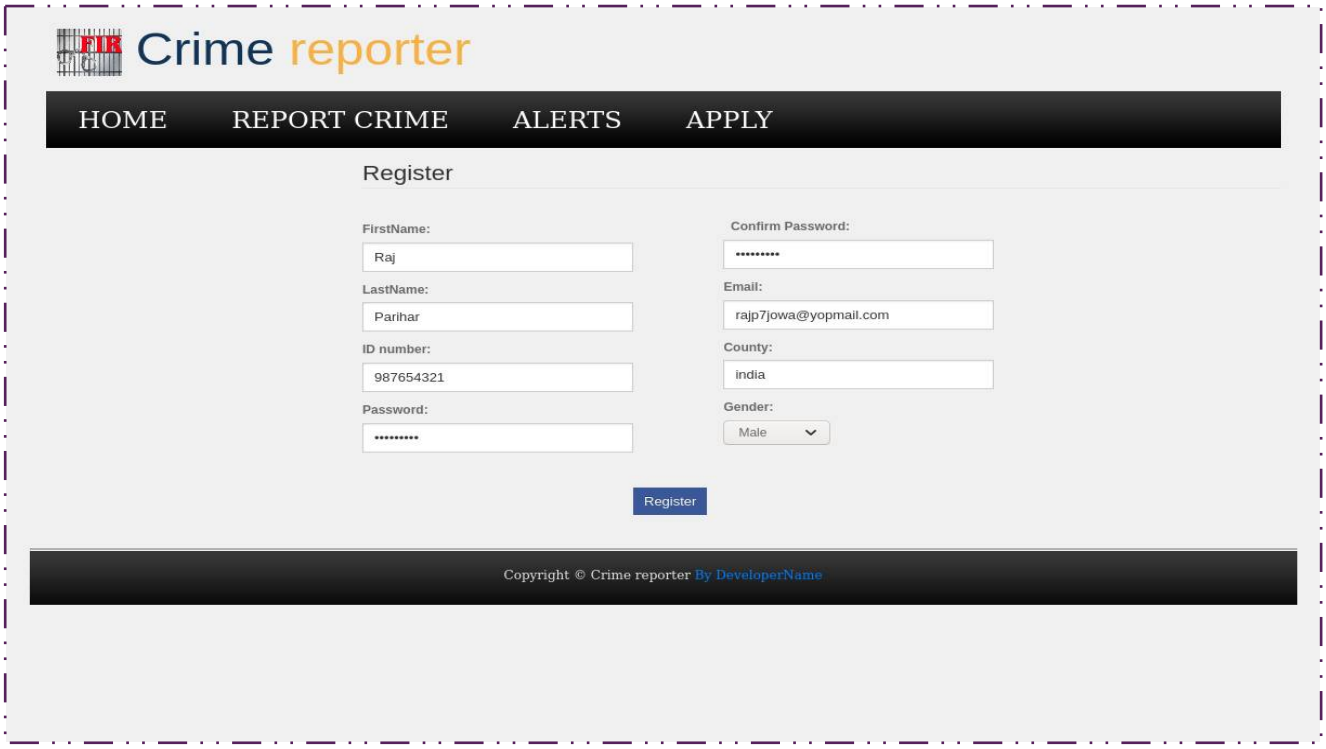
➢ Screenshot for **Vehicles Missing application** (Admin)

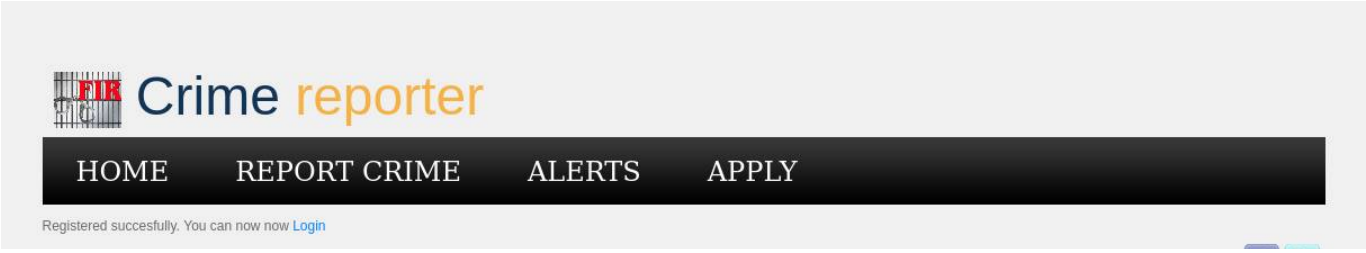


➢ Screenshot for **Person missing Application** (Admin)

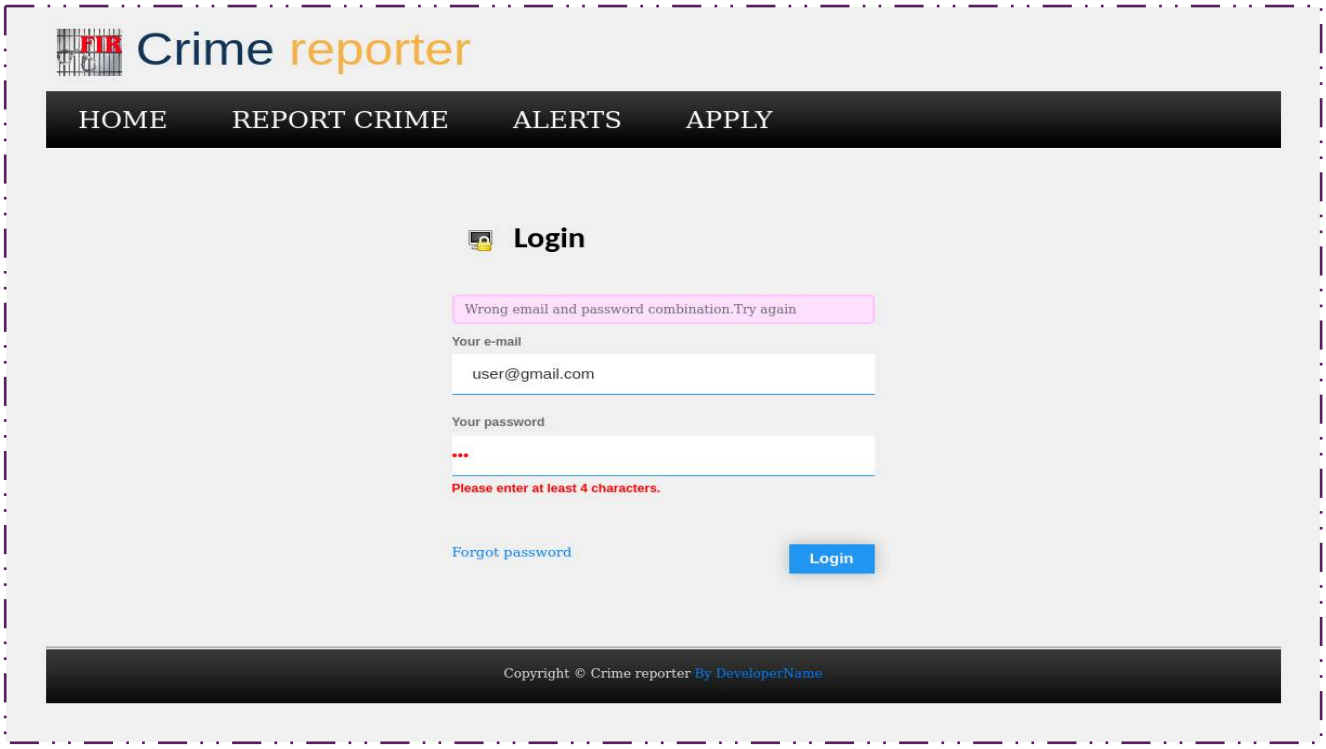


➢ Screenshot for **New User Registration** (User)

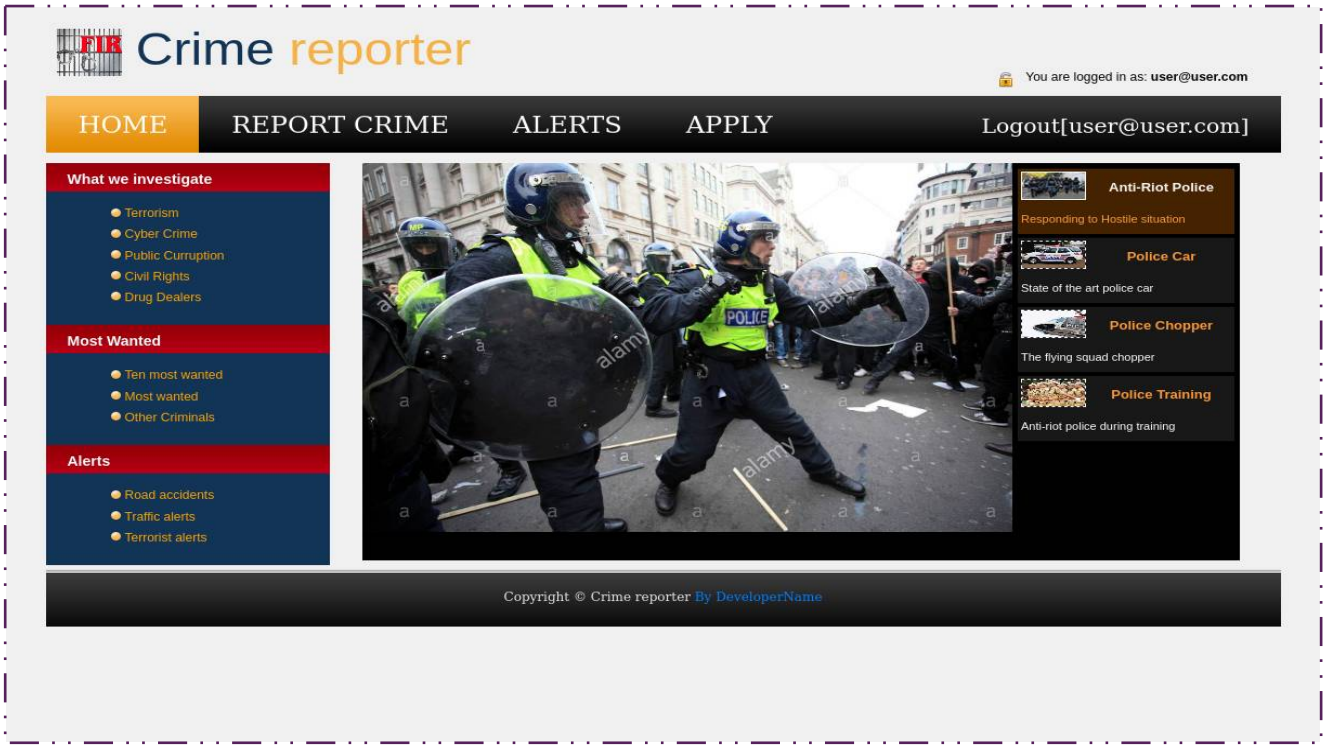




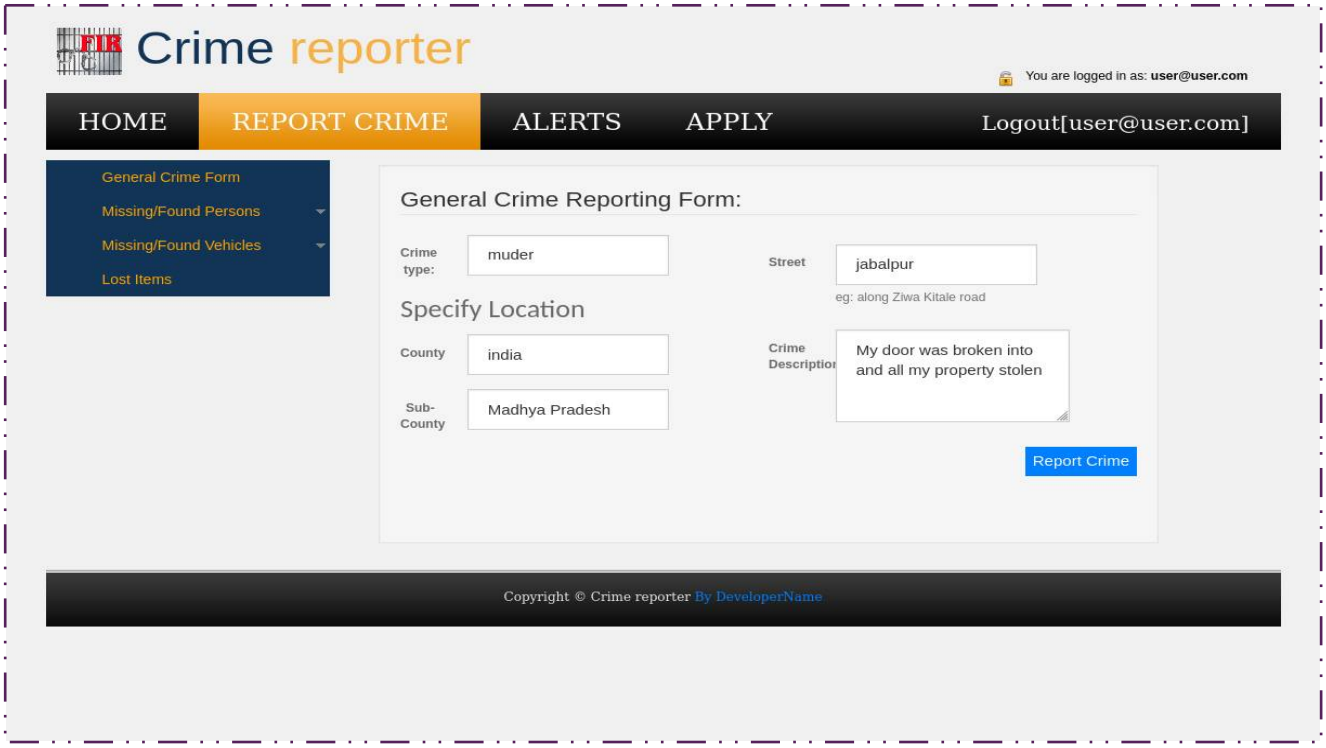
➢ Screenshot for **Login** (User)



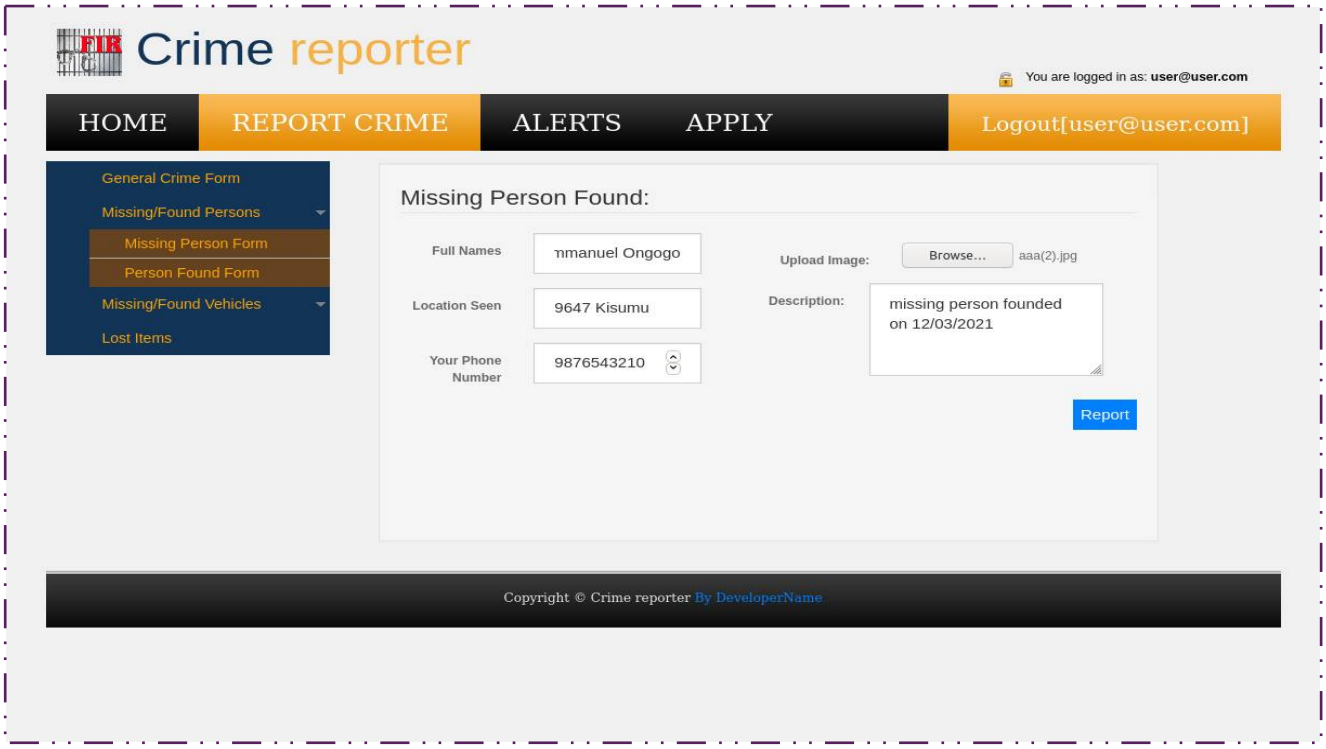
➢ Screenshot for **After login user**



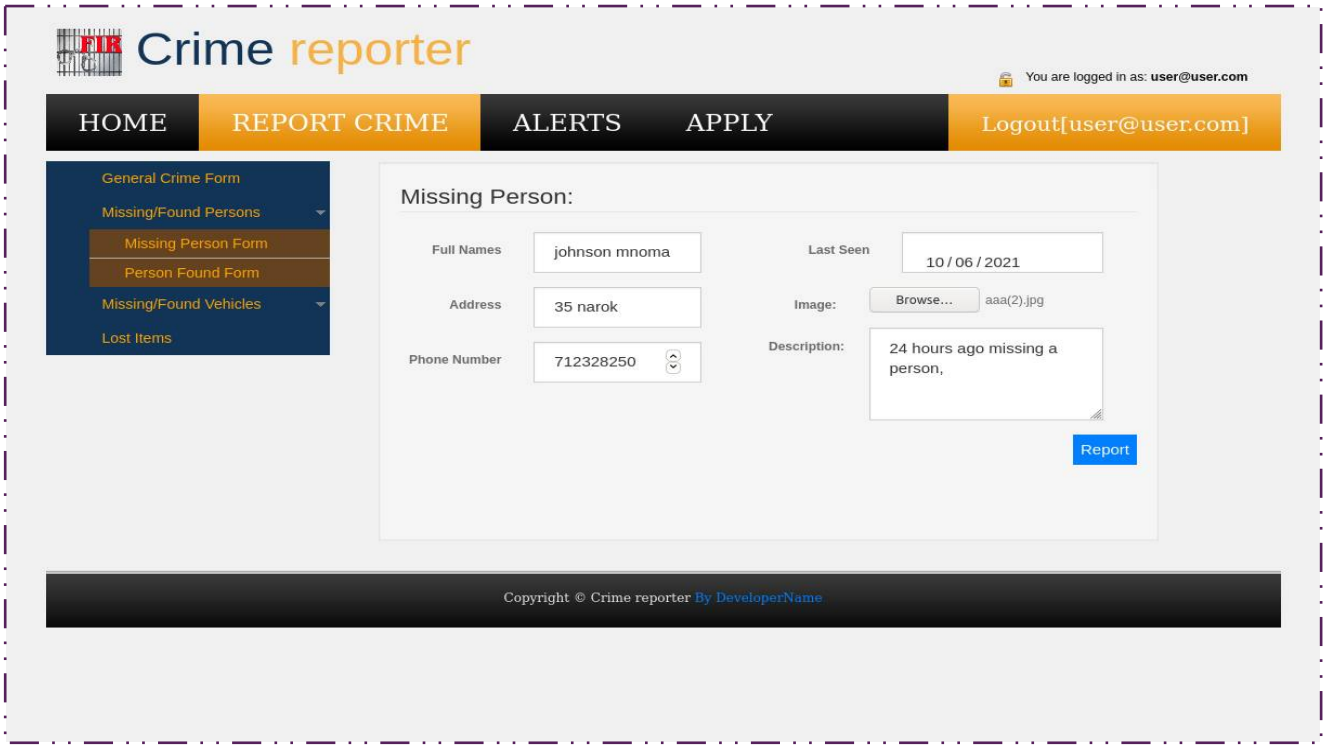
➢ Screenshot for **Report**
General Crime Reporting Form (User)



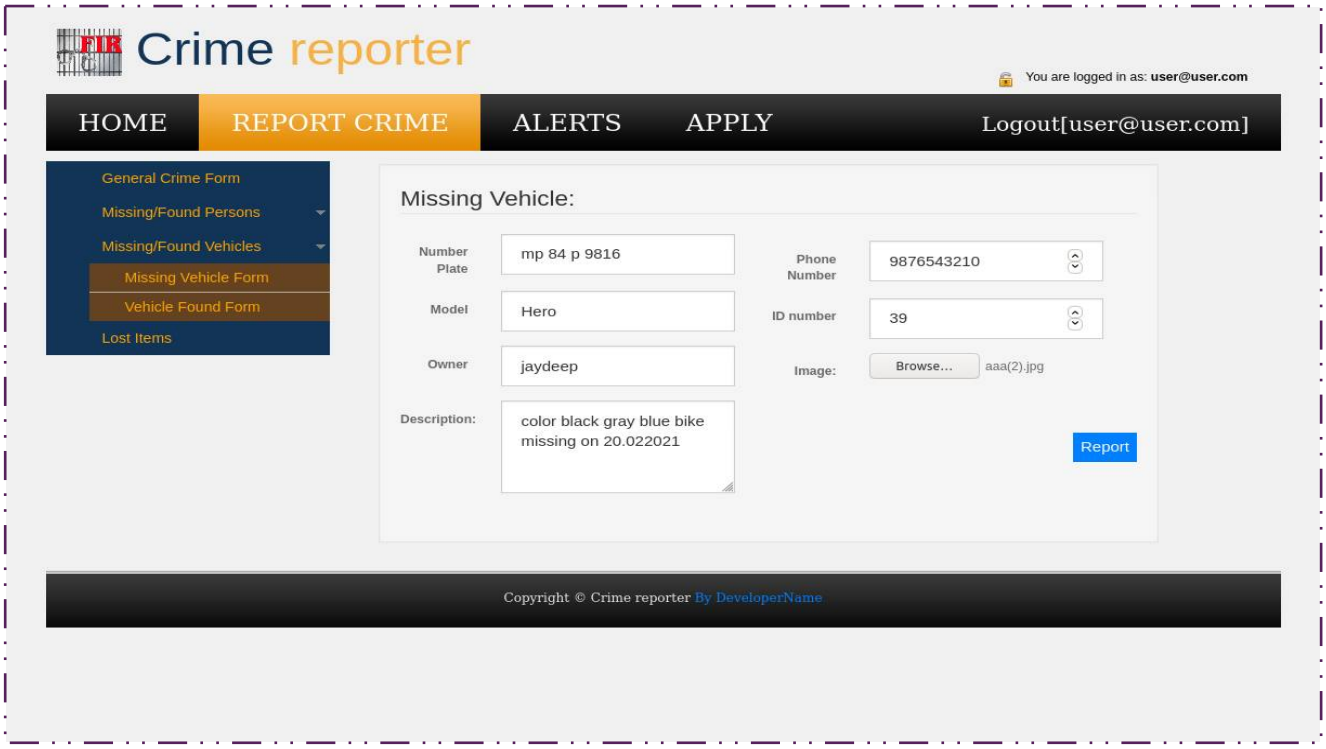
➢ Screenshot for **Report Missing Person Found** (User)



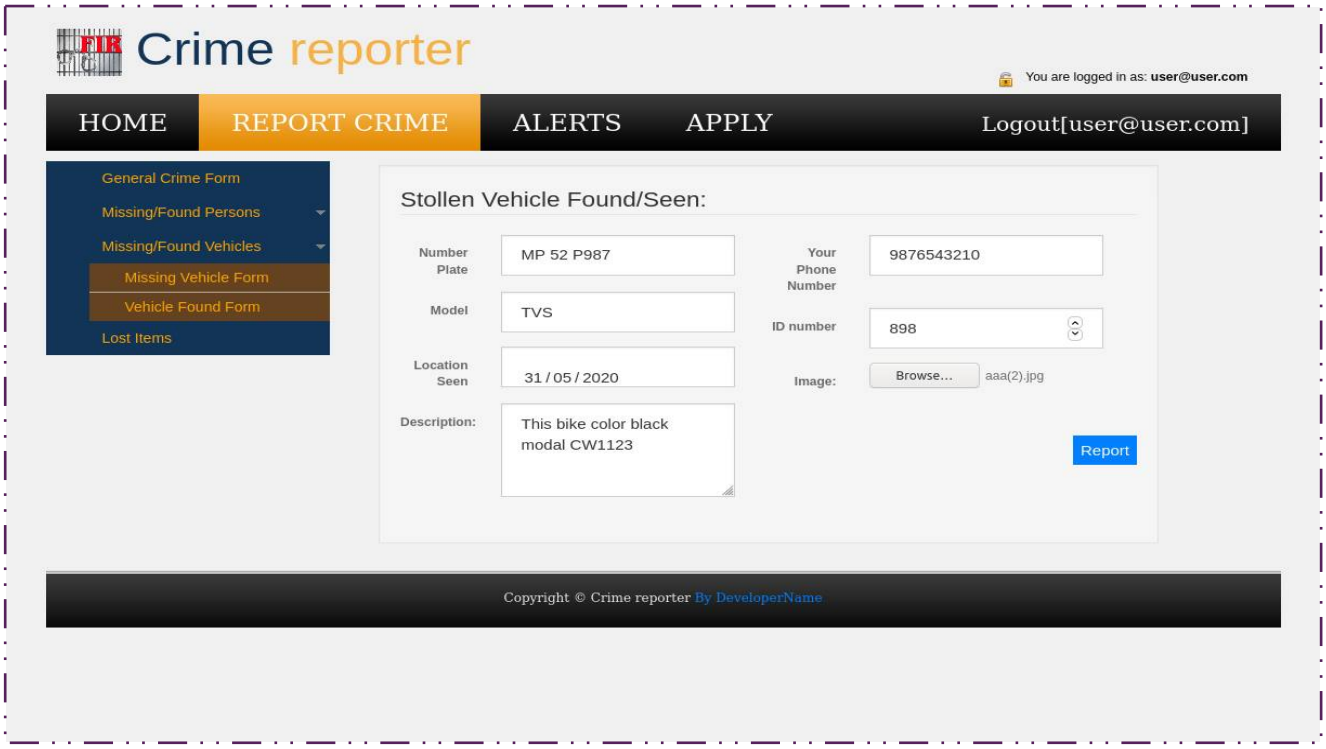
- Screenshot for **Report Person Found** (User)



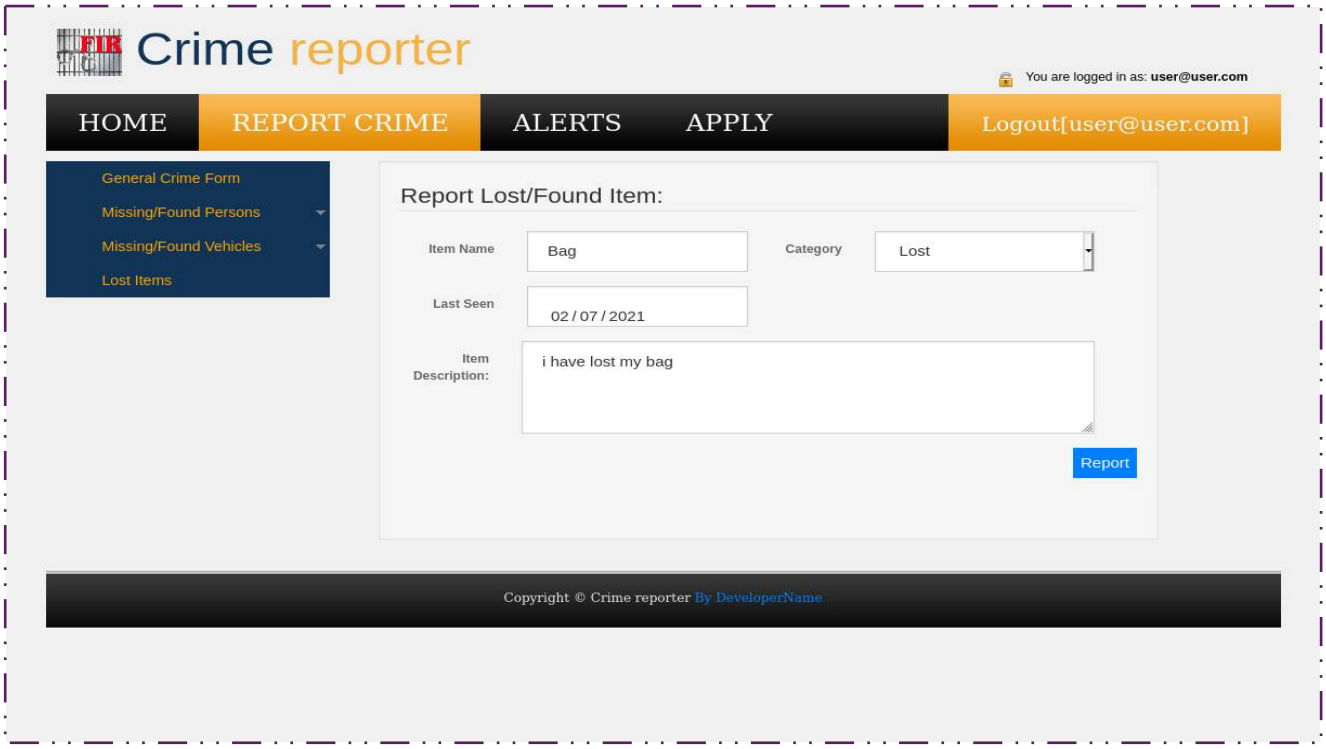
➢ Screenshot for **Report Missing Vehicle** (user)



➢ Screenshot for **Report Vehicle Found** (user)

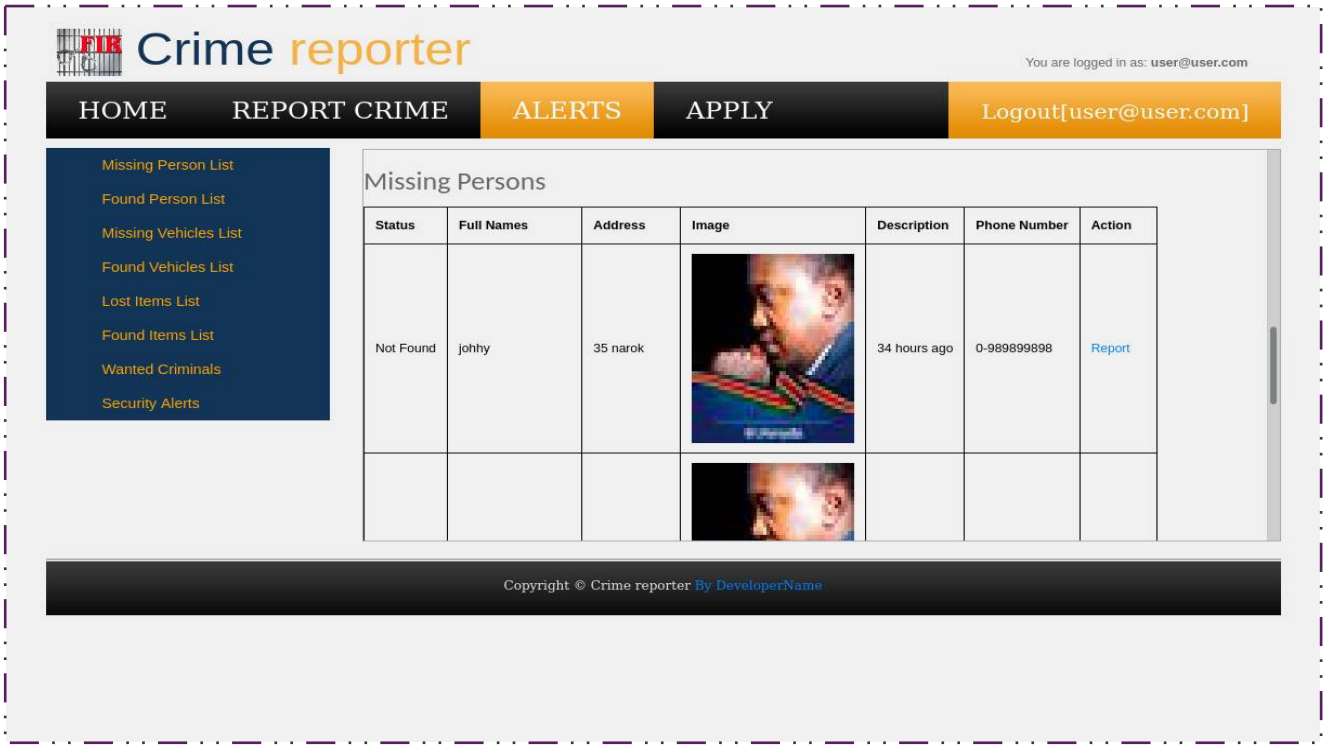


- Screenshot for **Report Lost/found** (user)

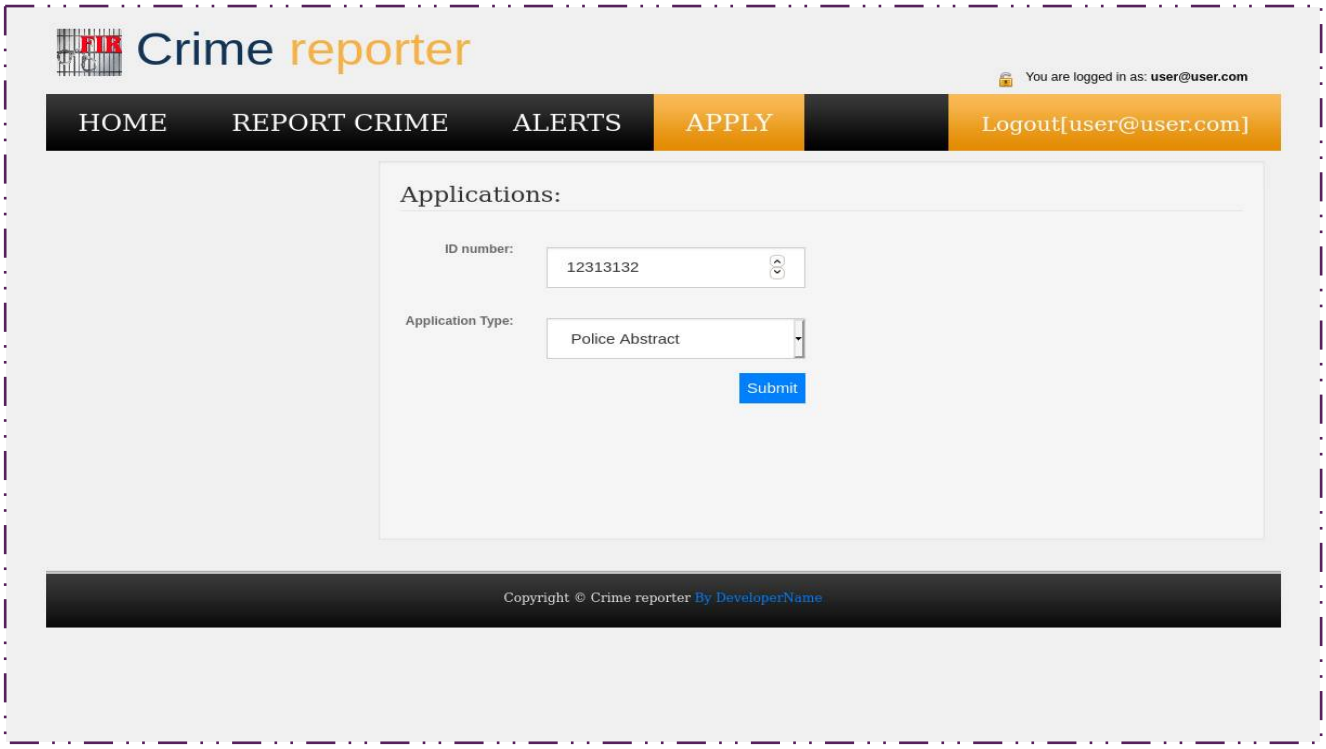


➢ Screenshot for **Alerts Missing Vehicle** (user)

➢ Screenshot for **Alert Mission Person** (user)



➢ Screenshot for **Apply** (user)



CHAPTER 5

SYSTEM TESTING

The aim of the system testing process was to determine all defects in our project .The program was subjected to a set of test inputs and various observations were made and based on these observations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1) Unit Testing
2) Integration Testing

UNIT TESTING

Unit testing is undertaken when a module has been created and succesfully reviewed .In order to test a single module we need to provide a complete environment ie besides the module we would requir

- The procedures belonging to other modules that the module under test calls
- Non local data structures that module accesses
- A procedure to call the functions of the module under test with appropriate parameters.

  Unit testing was done on each and every module that is described under module description of chapter 4

1. Test For the admin module

- **Testing admin login form**- This form is used for log in of administrator of the system.In this we enter the username and password if both are correct administration page will open other wise if any of data is wrong it will get redirected back to the login page and again ask for username and password.
- **users account addition**- In this section the admin can verify users details from criminal info and then only add users details to main database it contains add and delete buttons if user click add button data will be added to users database and if he clicks delete button the users data will be deleted.
- **Police Addition**- Admin can enter details of Police and can add the details to the crime table also he can view the crime requests.

2. Test for users login module

- **Test for users login Form-**This form is used for log in of users .In this we enter, username and password if all these are correct student login page will open other wise if any of data is wrong it will get redirected back to the login page and again ask for libraryid, username and password.
- **Test for account creation**- This form is used for new account creation when users does not fill the form completely it asks again to fill the whole form when he fill the form fully it gets redirected to page which show waiting for conformation message as his data will be only added by administrator after verification.

3. Test for users and Police login module-

Test for police login form- This form is used for logg in of teacher .In this we enter the username and password if all these are correct police and users login page will open other wise if any of data is wrong it will get redirected back to the login page and again ask for username and password.

5.2 INTEGRATION TESTING

In this type of testing we test various integration of the project module by providing the input .The primary objective is to test the module interfaces in order to ensure that no errors are occurring when one module invokes the other module.

CHAPTER 6

CONCLUSION & FUTURE SCOPE

In the modern world, the use of computers and Mobile phones is becoming rampant. More so, recent developments in the ICT Industries has revolutionized and consequently brought about a paradigm shift in the way activities are accomplished. As a result 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 internet connection.

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In future system will provide mail facility to editors. Editors can send mail to other stations editor.

- In future system will allow user to register complains online.
- In future system will provide facility to send message.
- The project entitled ”Online Crime Reporting” was successfully designed develop.
- The method of video conferencing can be added to make the project livelier.
- Users can view the progress of their complaint online.
- By the future technology user can view the case details and progress of the complaints on their mobile phones.

CHAPTER 7

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