

# **Crime Report System**

## **User's Manual**

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October 2018

# USER'S MANUAL

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## **1.0 GENERAL INFORMATION**

## A. GENERAL INFORMATION

### 1.1 System Overview

The project aims at delivering a crime report system, which enables civilians can instantly report any witnessed crimes through their mobile application, then legal officers can fast process the reported cases in their web system. According to this requirement, our team designed and implemented a crime report system which consists of two interconnected subsystems, respectively running on the mobile platform of reporter and web platform of legal officers.

- A software system based on the Android Platform and Web Browser.
- Android application for guests or registered users
- Users can post a case and view own cases
- Users can understand the security situation through data analysis
- Web platform includes a frontend system for LEA staffs and a backend system for admin.
- LEA staff can post verified cases, verify cases, and view cases
- Backend admin can manage cases and LEA accounts

### 1.2 Project References

References that were used in the preparation of this document in order of importance to the end user.

<https://www.yiiframework.com/>

<https://developer.android.com/>

### 1.3 Authorized Use Permission

CaseReport system provides you with different functionalities for different kind of users. For LEA staffs, they can access to a variety of resources on this website, including case detail, location, evidence(collectively “Case”) and LEA information, management (collectively the “LEA”), and case categories(collectively “Category”). For users, they can access a mobile app for posting cases, viewing case details and learn analysis data(collectively “app”), and Application Program Interface information (“APIs”).

## **1.4 Points of Contact**

### **1.4.1 Notification**

The email function for LEA staff to receive a notification which includes case assigned to them and details is currently not available.

### **1.4.2 Notice**

The notice for invalid format or wrong information when users input in the mobile App is currently not available.

### **1.4.3 Location Information**

The function of automatically generated location information in the case report is currently not available.

## **1.5 Organization of the Manual**

User's Manual v0.01.

## **2.0 SYSTEM SUMMARY**

## B. SYSTEM SUMMARY

This section provides a general overview of the system written in non-technical terminology. The summary provides information about system configuration (website and mobile application). And also the basic usage rules for mobile application and website of the system.

### 2.1 System Configuration

- Website

The web system is based on the server. Users can easily access the website using a web browser. The default url for web system is as follows:

Front-end: frontend.casereport.com

Back-end: backend.casereport.com

System admin can change the description of About page according to the path on the default About page.

- Mobile Application

The application is based on the Android 7.0 system. It allows users to create cases, add evidence and submit. A guest could create cases same as a login user. Login users are able to view the cases created by themselves and also the case report based on case statistic data. Users could collect evidence both from camera or album.

### 2.2 Data Flows

- Mobile Application

Users input text by using an on-screen virtual keyboard. The data such as username and password is transferred to the server and verified in the server. And the server handles all data logic for the mobile application.

- Website

Users use a web browser to access the website. All data will be transferred to the server through POST or GET method.

### 2.3 User Access Levels

- Mobile Application

Guest could create case and view cases statistic report. All the other functions are only available to registered users, for example, view my cases.

- Website

- Frontend

LEA staff can sign up an account using their own information. They can only log in to the system AFTER the admin has activated their account.



Only logged LEA staff can use website functions such as creating cases or viewing cases. They have no permission to modify other information.

- Backend

Only admin can log in to the backend system using a pre-defined username and password. Admin has a higher privilege in the system, which allows them to manage LEA account, manage cases and case details.

## **3.0 GETTING STARTED**

## **C. GETTING STARTED**

This section provides a brief guideline to configuration (for both mobile application and website) before using the system. Menu flow information and related screenshots are provided in the appendix.

### **3.1 Mobile Application**

#### **3.1.1 Setting IP address**

Because the application is based on a local server, the server's IP address is needed. You can set the IP address by clicking the button "Set Your IP Address" on the bottom of the main page.

#### **3.1.2 Register & Login**

To use the application as a login in user, you need to register first. You can register and login by clicking the button "personal centre" on the right side of the bottom line. You will need to input a user ID and a correct password.

#### **3.1.3 Bottom Navigation Menu**

There is a bottom navigation menu on every page of the application. There are four buttons on the dock, which are "Create Case", "View My Cases", "View Report" and "Personal Center". You can click on the button to jump into another page anytime.

#### **3.1.4 Log Out**

As a login user, you can log out by clicking the LOGOUT button. The button is on the "Personal centre" Page.

### **3.2 Website**

#### **3.2.1 Different user access**

Since the website users are divided into LEA group and system admin group, different users have different addresses to go to. For LEA group users, they should go to <http://frontend.casereport.com/> while for system admin, they should go to <http://backend.casereport.com/>

#### **3.2.2 Register and activated**

Unlike sysadmin that is predefined, LEA user needs to sign up through the website on to the right top, filling with required information. After register, the account will be created but with disabled status. To activate the account, system admin should go to user management page and change the account status to active.

### 3.2.3 virtual host configuration

Our system is deployed on localhost, so we must configure the virtual host first. The configuration is as below.

```
backend.casereport.com| vhosts/case/backend/web  
frontend.casereport.com| vhosts/case/frontend/web  
api.casereport.com| vhosts/case/api/web
```

## **4.0 USING THE SYSTEM (ONLINE)**

## **D. USING THE SYSTEM**

### **4.1 Mobile Application**

This section describes some functions of the mobile application in detail and depict graphically, include some descriptive narrative. The target users for this part are guests and registered users. More menu flow information and screenshots are provided in the appendix.

#### **4.1.1 Create Case As a Guest**

You can create case without register or login first. By clicking on “Create Case” button, you can input case details and you can later submit it by clicking the “Submit” button.

#### **4.1.2 Create Case As a Registered User**

You can create cases as a registered user. You will need to register and login firstly. After that, you can create cases as a login user by repeating all the steps in the section “Create case as a guest”.

#### **4.1.3 View my Cases**

The function is only available for the login user. As a login user, you can view the cases submitted by yourself by clicking the “View My Case” button. You can view some case details shown on a toast by clicking on a case. If you didn’t log in first, you can only see a remind says “you need to login first” if you click the “View My Case” button.

#### **4.1.4 View Case Report**

You can view the case statistic report by clicking the “View Report” button and select a feature you would like to follow. The application only provides report sorted by cities currently.

#### **4.1.5 Add Evidence together with the Case**

You can add evidence together with your case while creating a case. To do that, you need to first click the “Add evidence” button on the main page and then you can select a photo from album or take one from the camera. After that, the photo will show is the selection page and you can then add it to your case by clicking on the “OK” button.

## 4.2 Website Front-end

This section describes system functions of Website in details. The target users are normal LEA staffs. Screen captures and menu flow information are appended at appendix B Website part..

### 4.2.1 Create Case

You can create a case if needed. Click “create” on the top and fill a form with required information. The title should be more than 4 characters and content should not be blank. All cases created by LEA officer have been verified.

### 4.2.2 Verify posted cases

When someone reports crime by mobile application, you can check the case detail in “post”. If the facticity of the case is verified, you can click the verify button on the bottom to verify it.

### 4.2.3 View Verified cases

You can view all cases that have been verified in the “verified”. Click the button “view” to view the detail information of the case.

## 4.3 Website Back-end

This section describes some functions of the back-end of the website in detail and depict graphically, include some descriptive narrative. The target users for this part is the system admin. More menu flow information and screenshots are provided in the appendix.

### 4.3.1 LEA account management

System admin is able to manage LEA users. You can click “LEA management on the left”, so a list of all users will be shown. You can search user by username, id, email, and status. you can also view all needed key information or delete user buttons on the right. You can also active or cancel an account through the modify button.

### 4.3.2 Cases management

You can view all cases that have been created by mobile and website through case management. You can search cases by id, title, summary, username and status. You can view ID, title, content and other key information through view button on the right-hand side. You can also modify/delete cases through buttons on the right.

### 4.3.3 Crime type management

You can view all crime types through ”case category”. You can create new categories through “Create a New Category model” button on the top. Entering the name of new crime type and it will be saved with an incremental ID. You can also search category by id and cat\_name. You can also view/modify/delete crime type through buttons on the right.

### **4.3.3 Location management**

You can view case number with location through “Location Tag” on the left category. You can search location by id, location\_tag, and post number. You can also view/modify/delete tags through buttons on the right.

## **4.4 Special Instructions for Error Correction**

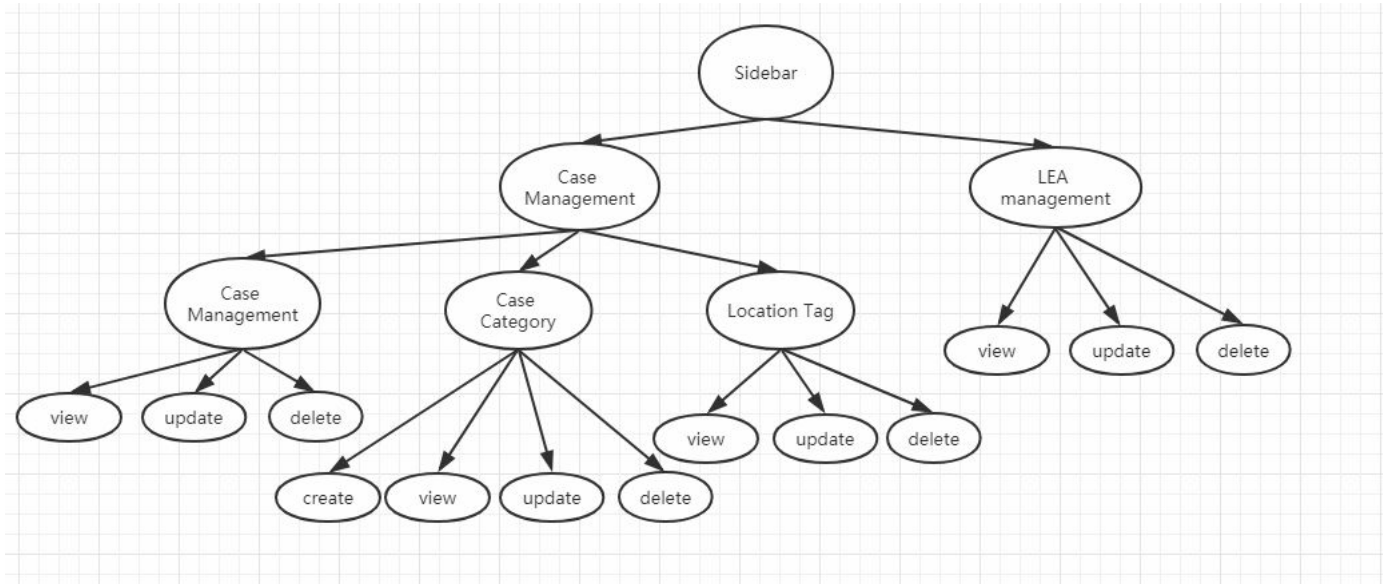
As a condition of your use of the Services, you will not use the Services for any purpose that is unlawful or prohibited by these terms, conditions, and notices. You may not use the Services in any manner that could damage, disable, overburden.



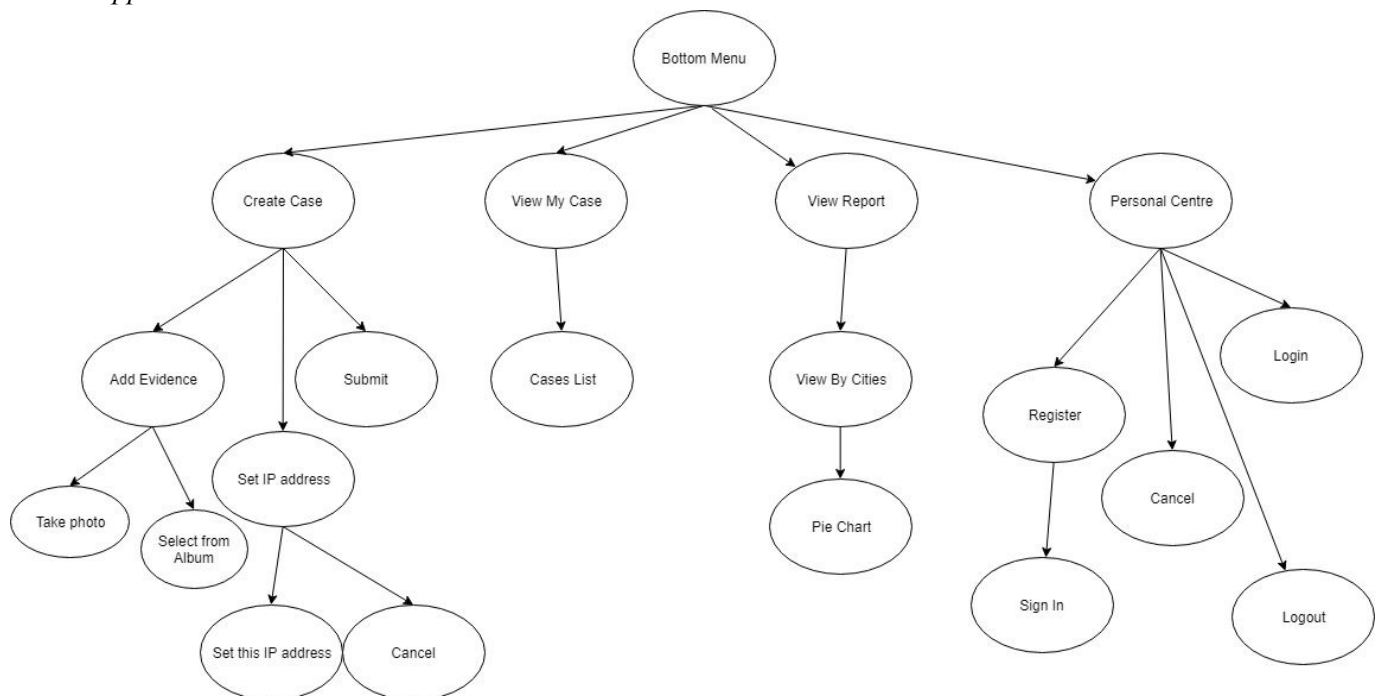
## **5.0 APPENDIX**

## A. APPENDIX - MENU FLOW

### Backend Menu Flow:



### Mobile Application Menu Flow:



## B. APPENDIX - SCREENSHOTS

### *front-end Screenshots:*

Homepage (before login):

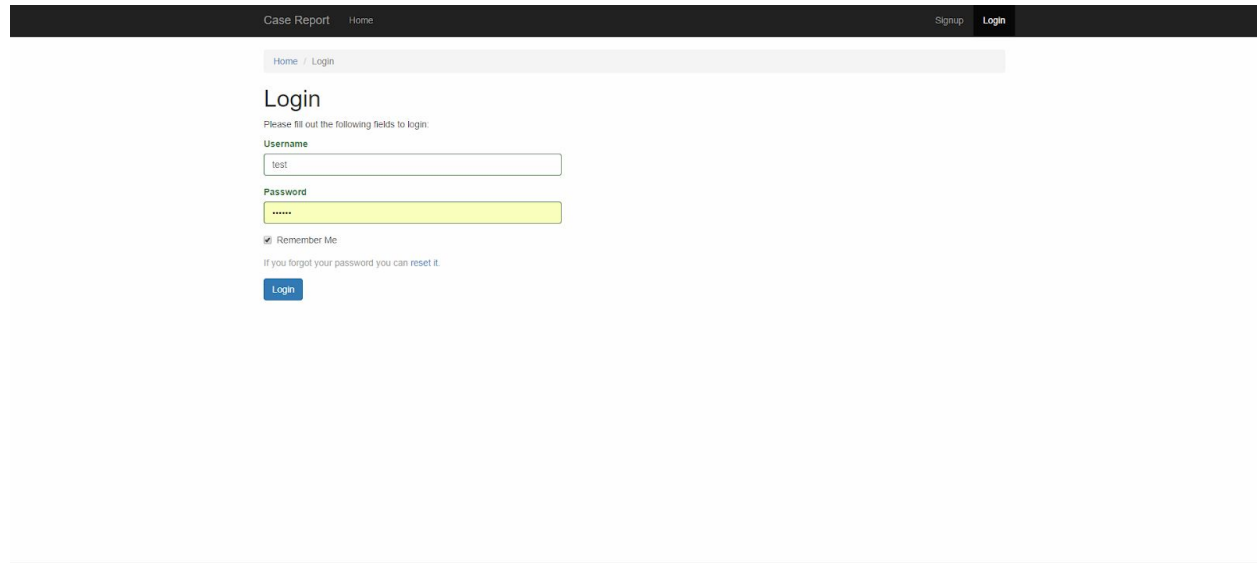


### *Sign-up Page:*

The screenshot shows the sign-up page. The navigation bar is the same as the homepage. Below it is a breadcrumb trail 'Home / Signup'. The main heading is 'Signup', followed by the instruction 'Please fill out the following fields to signup:'. The form includes fields for 'Username', 'Email', 'Password', 'Re Password', and 'Verify Code' (with a CAPTCHA image). A 'Signup' button is at the bottom.

\*

Login page:



The screenshot shows the login page of the Crime Report System. At the top, there is a dark navigation bar with 'Case Report' and 'Home' on the left, and 'Signup' and 'Login' on the right. Below this, a breadcrumb trail shows 'Home / Login'. The main heading is 'Login'. A subtext says 'Please fill out the following fields to login:'. There are two input fields: 'Username' with the value 'test' and 'Password' with masked characters. Below the password field is a checked checkbox for 'Remember Me'. A link for 'Forgot your password?' is present. A blue 'Login' button is at the bottom of the form.

Homepage (after login):



\*

## Top Menu Hierarchy:

### Create case page:

[Case Report](#) [Home](#) **[Create](#)** [Post](#) [Verified](#) [Contact](#) [About](#)

[Home](#) / [Case](#) / [CreateCase](#)

Create Case

Notice

Title

1.This is the notice bar

Category

Case Category

Image

Image Upload

Choose Image

Supported file formats include  
jpg, jpeg, png and gif within  
1MB

Content

Path:

Word Count

Tags

Please input our select tags

Submit


### View post page:

[Case Report](#) [Home](#) [Create](#) **[Post](#)** [Verified](#) [Contact](#) [About](#)

[Home](#) / [Case](#) / [Cases in progress](#)

Case

Mores




Clayton.

title

test3 2018-10-14 0 0 0

content

View And Verify




Clayton.

title

testuser2058 2018-10-12 0 0 0

content

View And Verify




Clayton.

title

testuser2058 2018-10-12 0 0 0

content

View And Verify



Clayton.

title

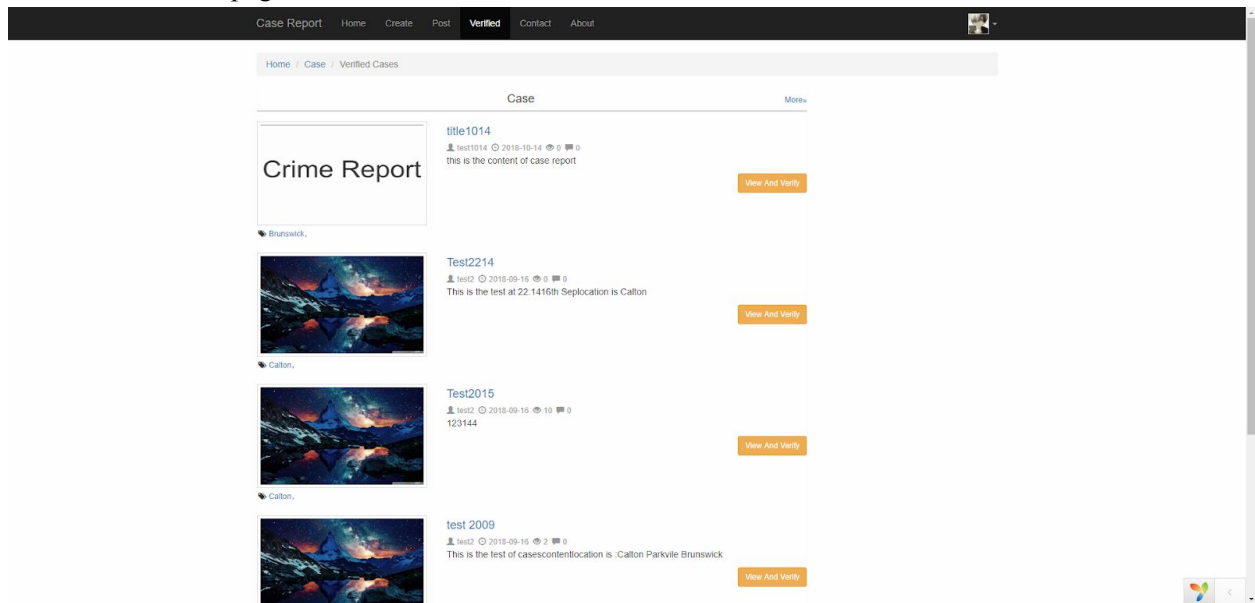
test3 2018-10-12 0 0 0

content

View And Verify

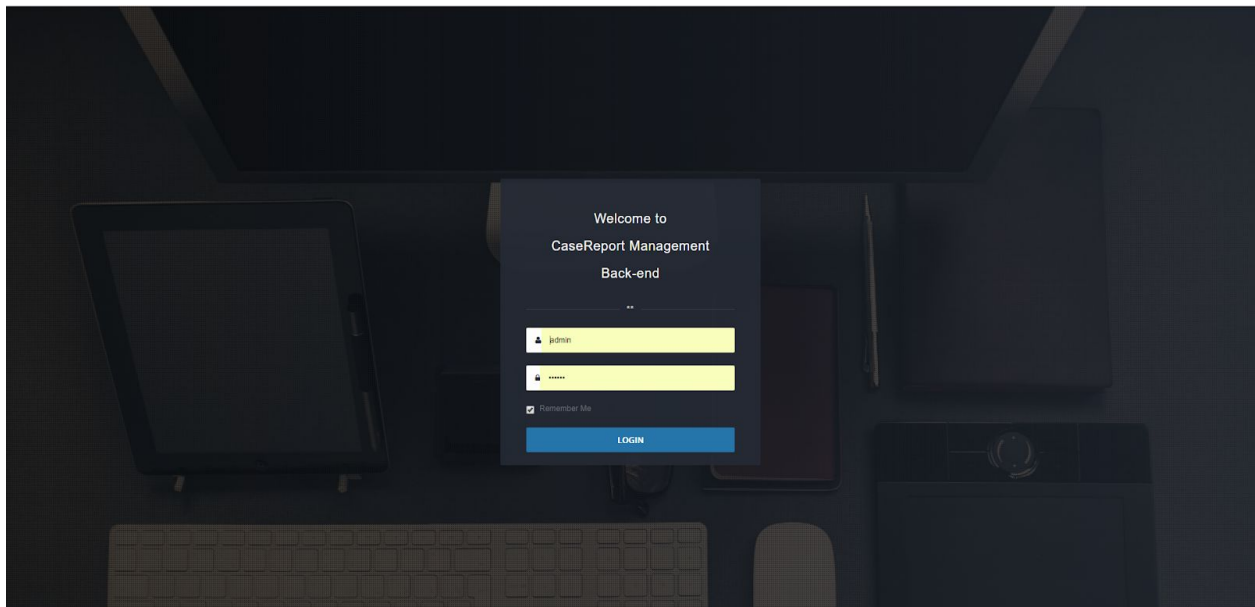
\*

View verified case page:



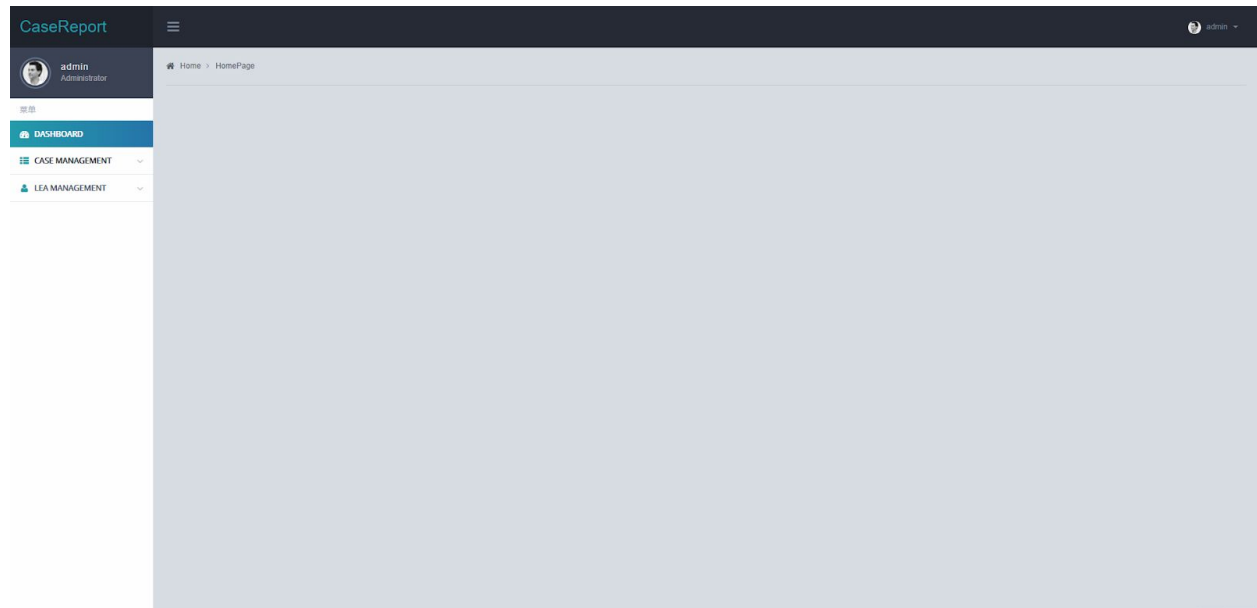
**Back-end screenshot:**

Login Page:



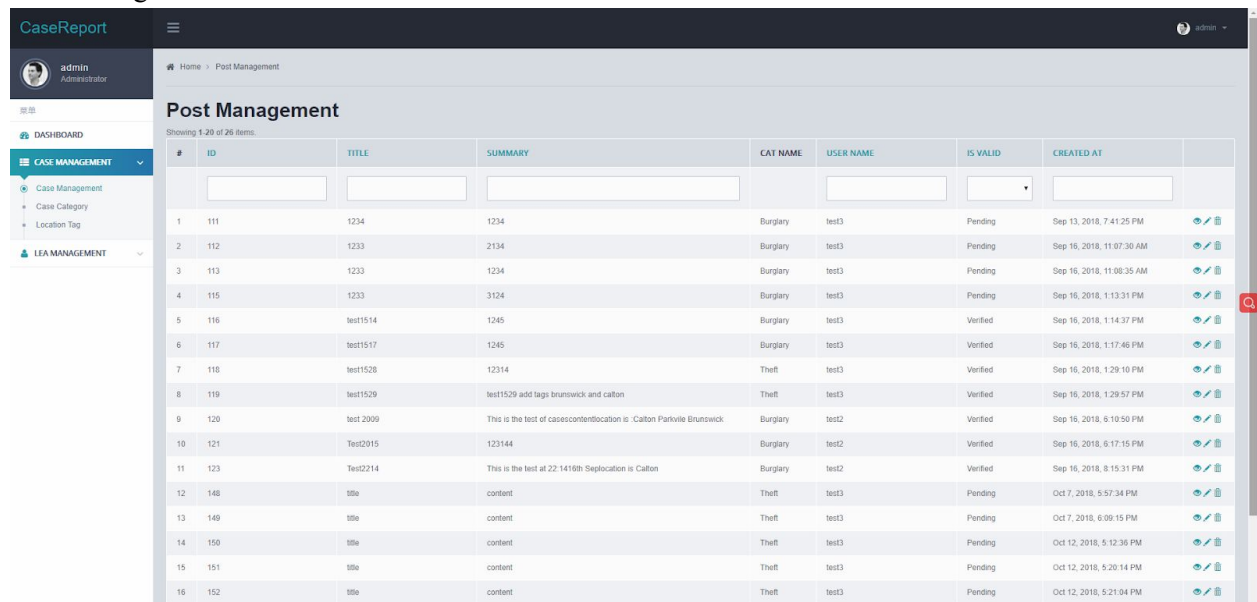
Home Page:

\*



*Sidebar Hierarchy:*

Case management:



LEA management:

\*

CaseReport

admin Administrator

Dashboard

Case Management

LEA Management

LEA Management

Home > LEA Management

LEA Management

Showing 110 of 10 items:

#	ID	USERNAME	EMAIL	STATUS	CREATED AT	
1	1	test	test@123.com	Active	Aug 25, 2018, 2:12:57 PM	
2	2	test2	test2@123.com	Active	Aug 25, 2018, 3:39:48 PM	
3	3	test3	test3@123.com	Active	Aug 25, 2018, 9:24:14 PM	
4	6	test4	test4@casereport.com	Canceled	Oct 1, 2018, 7:14:49 PM	
5	8	denny	dennylee6515@gmail.com	Canceled	Oct 1, 2018, 7:22:47 PM	
6	9	test5	test5@casereport.com	Active	Oct 1, 2018, 7:27:31 PM	
7	22	testuser		Canceled	Oct 12, 2018, 5:50:34 PM	
8	23	testuser		Canceled	Oct 12, 2018, 5:51:31 PM	
9	25	testuser1		Active	Oct 15, 2018, 1:27:39 PM	
10	26	testuser1		Active	Oct 15, 2018, 1:27:57 PM	

## Mobile Application Screenshots

### Main Page (Create Case Page)

CrimeReport

ADD EVIDENCE

Type\* Burglary

Street

Suburb

City\* Sydney

Hour\* 00

Minute\* 00

Description

Anonymous

SUBMIT

SET YOUR IP ADDRESS

Create Case

### IP address Setting Page

CrimeReport

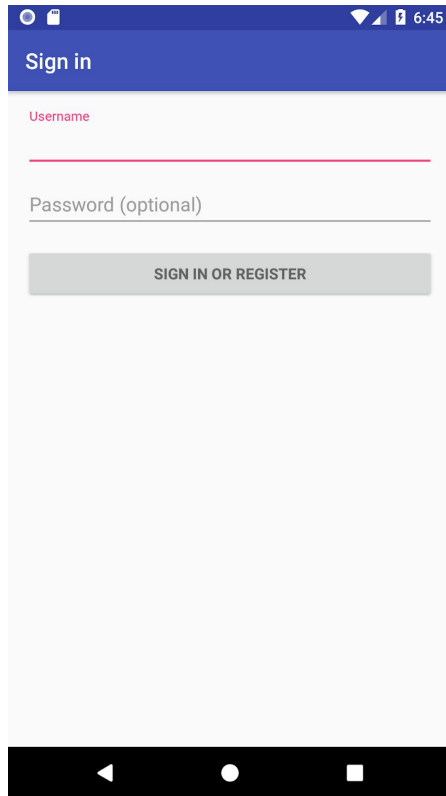
IP Address eg. 192.168.1.1

SUBMIT THIS IP ADDRESS

CANCEL

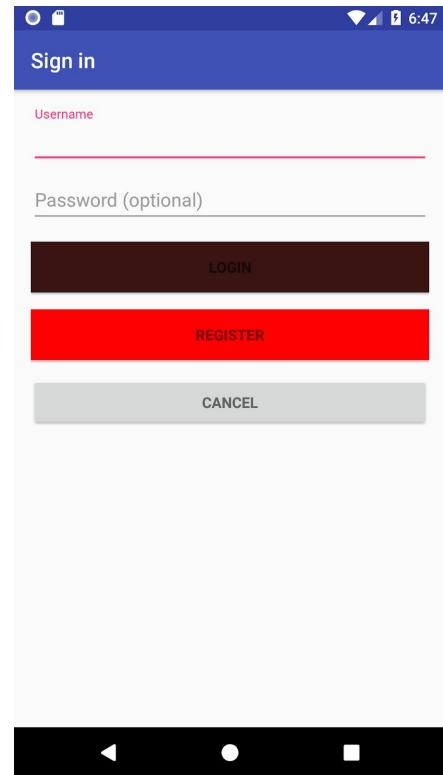


*Register Page*



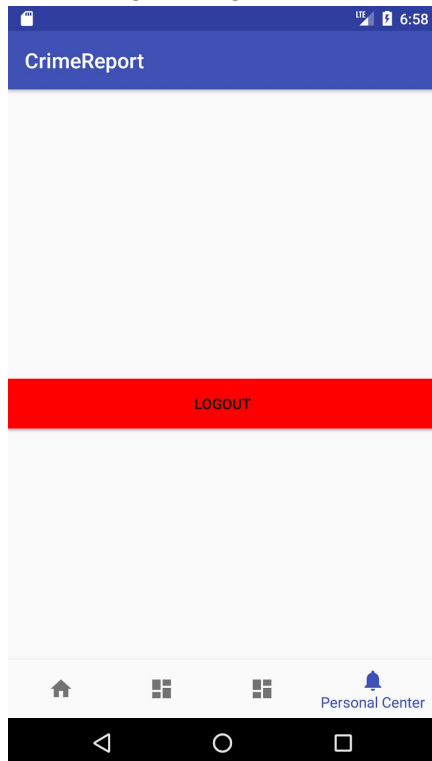
A screenshot of a mobile application's 'Sign in' page. The page has a blue header with the text 'Sign in'. Below the header, there are two input fields: 'Username' with a pink underline and 'Password (optional)' with a grey underline. At the bottom of the form is a grey button labeled 'SIGN IN OR REGISTER'. The status bar at the top shows the time as 6:45. The bottom navigation bar is black with three white icons: a triangle, a circle, and a square.

*Login page*



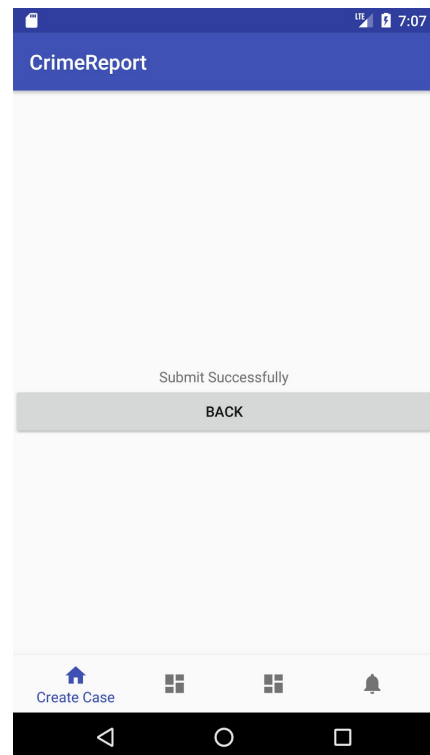
A screenshot of a mobile application's 'Sign in' page. The page has a blue header with the text 'Sign in'. Below the header, there are two input fields: 'Username' with a pink underline and 'Password (optional)' with a grey underline. Below the input fields are three buttons: a dark blue 'LOGIN' button, a red 'REGISTER' button, and a grey 'CANCEL' button. The status bar at the top shows the time as 6:47. The bottom navigation bar is black with three white icons: a triangle, a circle, and a square.

*Log out Page*



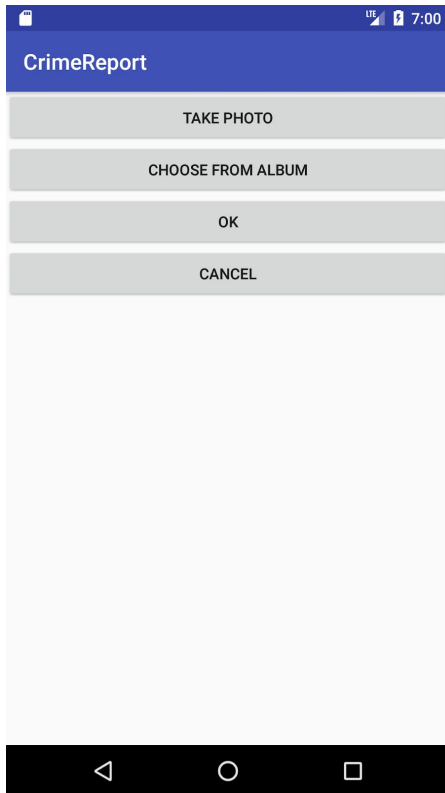
A screenshot of a mobile application's 'CrimeReport' page. The page has a blue header with the text 'CrimeReport'. Below the header is a large white area. At the bottom of the page is a red button labeled 'LOGOUT'. The status bar at the top shows the time as 6:58. The bottom navigation bar is black with four white icons: a house, a grid, a grid, and a bell. The text 'Personal Center' is visible next to the bell icon.

*Submit Case Successfully Page*

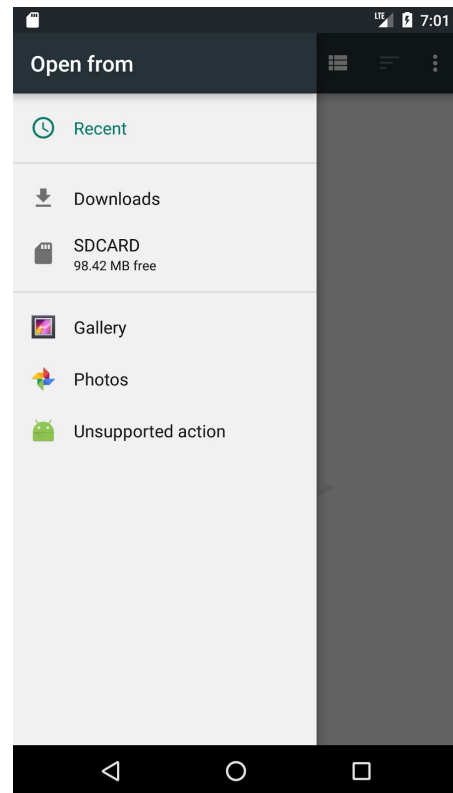


A screenshot of a mobile application's 'CrimeReport' page. The page has a blue header with the text 'CrimeReport'. Below the header is a large white area. At the bottom of the page, there is a grey button labeled 'BACK' and the text 'Submit Successfully' above it. The status bar at the top shows the time as 7:07. The bottom navigation bar is black with four white icons: a house, a grid, a grid, and a bell. The text 'Create Case' is visible next to the house icon.

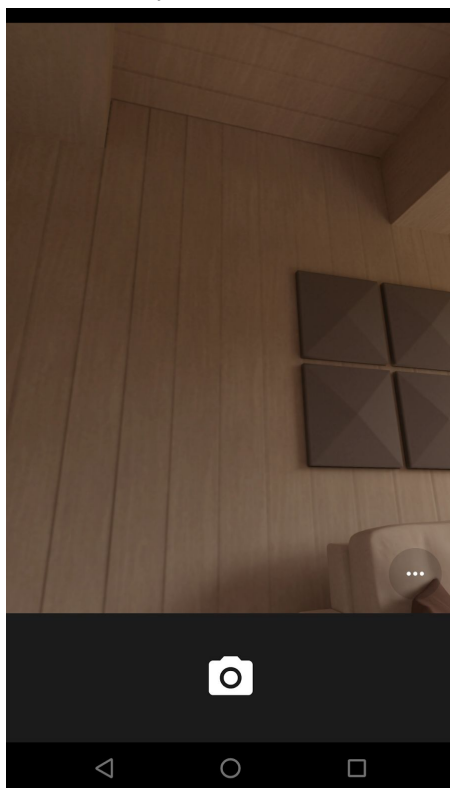
*Select Evidence Page*



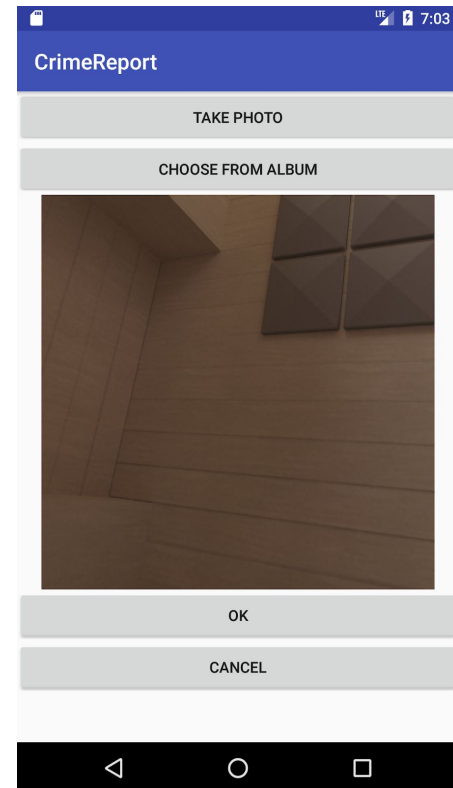
*Select from Album*



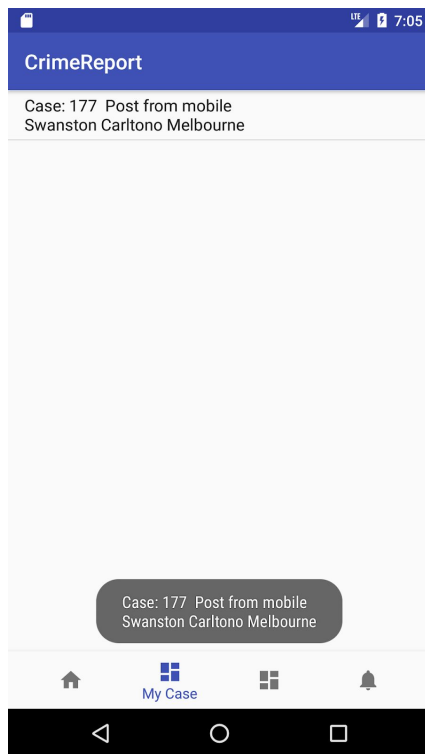
*Take from Camera*



*Preview evidence*



### View My Case Page



### View Report Page

