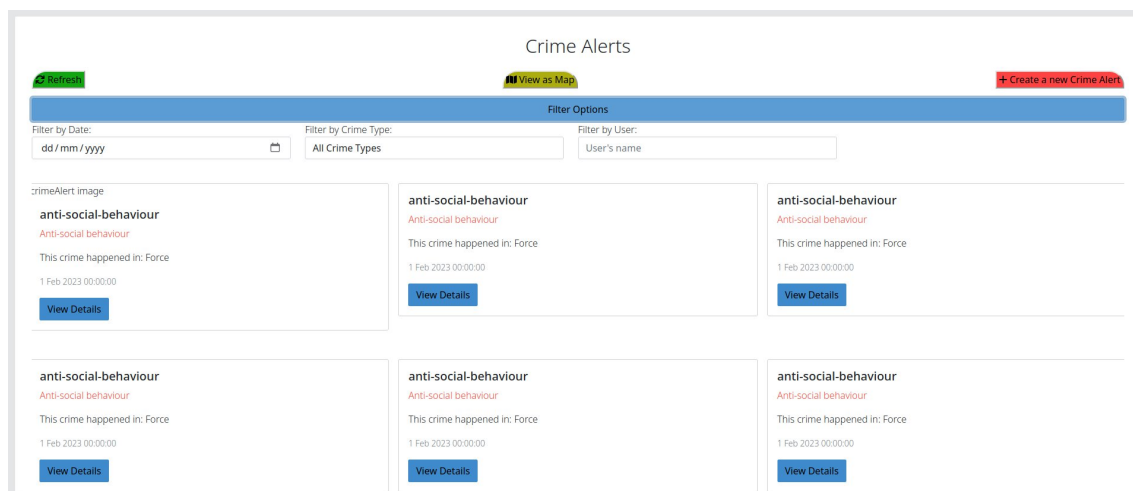


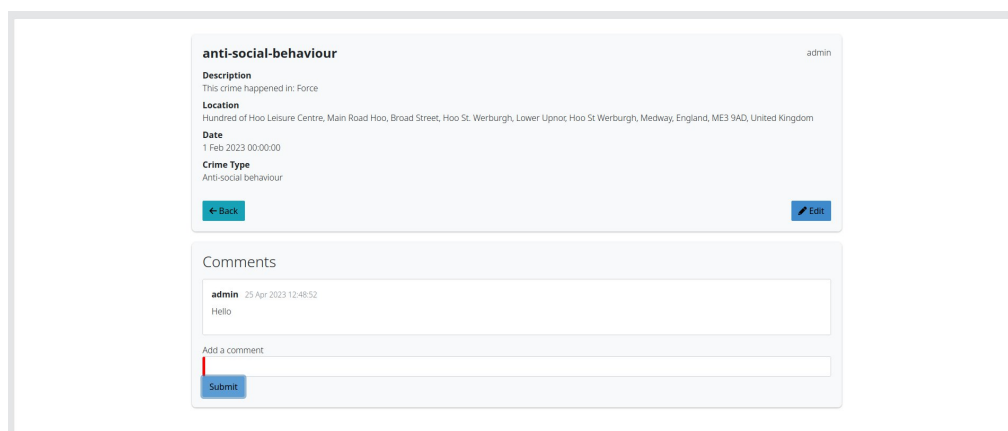
The first and main page of the website is the Crime Alert page. This page allows you to view crime in your area and the zone you are in, helping you stay aware of your surroundings. You can post a crime you witnessed in the UK or view crime reports.

Crime reports are either created by users or fetched from the UK police API every 24 hours. The API uses 16 different locations (which can be expanded upon request) including: Southeastern England (Kent and East Sussex), Central London (City of Westminster), Southwest London (Wandsworth, Lambeth, Merton), Bristol, Southampton (Hampshire), Isle of Wight, Manchester, Liverpool, West Midlands (Wolverhampton, Telford), East Anglia (Suffolk, Norfolk), Birmingham, Leicester, Nottingham, Leeds (West Yorkshire), Sheffield (South Yorkshire), and Hull (East Yorkshire). Crime reports have a "CrimeID" field in the database to identify if the crime has already been posted. This field is also used to distinguish between user-generated and website-posted crimes: human-posted crime alerts have negative id values, while website-posted alerts have positive id values.



Upon opening the page, you will be greeted with an eye-friendly list view of all posted crime alerts. There are three buttons on the page. The leftmost green button, "Refresh," refreshes the displayed content. The middle yellow button, "View as Map/View as List," toggles between map and list views for crime reports. The rightmost red button, "Create a new Crime Alert," is used for creating a report. Below these buttons, you can find filter options, allowing you to filter by date, crime type, and user.

Each list element displays a thumbnail photo, title, and color-coded crime type. In the list, you can see a thumbnail picture of the crime, the title, color-coded crime type, description, and time posted. There is also a "View Details" button. As you scroll down, the page automatically fetches crimes from the database.




When you click the "View Details" button, you can view the crime location, additional images, and the crime poster's information. You can also add a comment and discuss the occurrence with other like-minded individuals. The comment section displays all comments, user information, and the time and date of each comment. You can add your comment and press "Submit" to include it in the comment section.

Create or edit a Crime Alert

Title
Enter a brief title for the crime alert

Description
Provide a detailed description of the crime

Location



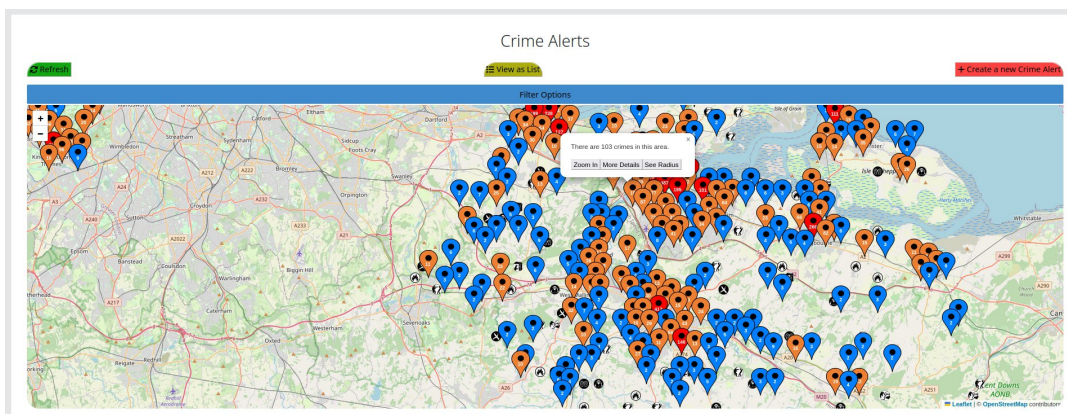
Date
25/04/2023, 12:51

Crime Type

Upload image Upload image Upload image

Cancel Save

Moving on, press the "Back" button and then the "Create a new Crime Alert" button to report a crime you noticed. You must enter a title and description, choose a location on the map (the search bar is also provided at the top-middle for easier navigation), and select a date when the crime occurred (default is the current time). You must also choose a crime type from the following options: All crime, Anti-social behavior, Bicycle theft, Burglary, Criminal damage and arson, Drugs, Other theft, Possession of weapons, Public order, Robbery, Shoplifting, Theft from the person, Vehicle crime, Violence and sexual offences, and Other crime. You can upload up to three related images. If all required fields are completed, the "Save" button will become clickable. Pressing "Save" adds your crime report to the website.



Next, click "Back" and select the "View as Map" button. The website may take a few seconds to load, but once it does, you will see a map with all crime alerts posted on the website. The map is limited to UK coordinates and a certain level of zooming in and out. All markers are grouped into clusters with numbers. Large clusters have red map pins, medium clusters have orange pins, and small clusters have blue pins. Clusters expand or group together as you zoom in or out.

When you click on a cluster, you can see how many crimes are in the area and access three buttons. The "Zoom In" button zooms in on the user-selected cluster, causing it to expand. The "More Details" button displays a modal window with all of the crimes in the cluster. When you click on a crime list element, any uploaded pictures will appear. The "See Radius" button shows the radius within which the map pins are in this cluster. When clicked, the button becomes disabled, and the radius disappears when you zoom in or out.

If you click on a map pin that is not part of a cluster, you can view the crime report in more detail. Two buttons are available: "Discussion" and "Open Report." The "Discussion" button displays all of the comments in a modal window for the specific crime, while the "Open Report" button opens the detailed report for the crime, which you have viewed previously.