

HIRP - Hate Incident Reporting Platform

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Introductions

This document contains the description of the existing Hate Crime Incident Reporting Platform.

Existing system

Existing system is a [Laravel](#) Framework 5.7 based web application dependent on the following packages and extensions:

- [PHP 7.1.3 or higher](#)
- [laravel/framework 5.7](#)
- [laravel/tinker 1.0](#)
- [balping/laravel-hashslug 2.1](#)
- [bensampo/laravel-enum 1.8](#)
- [cerbero/query-filters 1.3](#)
- [fideloper/proxy 4.0](#)
- [graham-campbell/markdown 10.0](#)
- [maatwebsite/excel 3.1](#)
- [symfony/yaml 4.2](#)
- [tymon/jwt-auth 1.0](#)
- [vinkla/hashids 5.0](#)
- [waavi/translation 2.3](#)

Since the web application is based on [Laravel](#) Framework, the dependency management is done via [Composer](#) Dependency Manager for PHP.

The display of the information [Presentation layer](#) is provided through [Vue.JS](#) JavaScript Framework, with the following dependencies and packages:

- [vue 2.6.6](#)
- [axios 0.18.1](#)
- [lodash 4.17.15](#)
- [babel-runtime 6.26.0](#)
- [browser-cookies 1.2.0](#)
- [mavon-editor 2.7.7](#)
- [md5 2.2.1](#)
- [vee-validate 2.1.4](#)
- [vee-validate-laravel 1.1.0](#)
- [vue-localstorage 0.6.2](#)
- [vue-markdown 2.2.4](#)
- [vue-recaptcha 1.1.1](#)
- [vue-router 3.0.2](#)
- [vuetify 1.5](#)
- [vuetify-google-autocomplete 2.0.0-beta.5](#)
- [vuex 3.0.1](#)

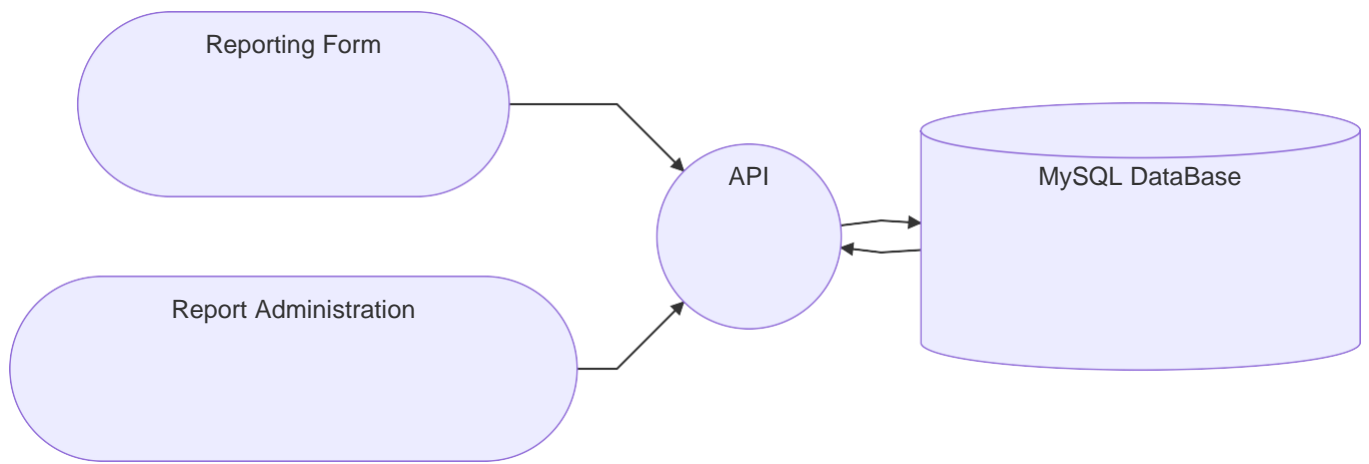
The dependency management can be done through the [NPM](#) package manager, but the platform does not require NPM installed on the system.

Architecture

The Platform consists of two public facing web applications:

- **Reporting Form** for visitors to submit hate crime reports to NGOs
- **Administration Panel**, where NGOs can analyze the reports. Additionally, through the **Administration Panel** Platform's administrators can update the information displayed in the **Reporting Form**, disable certain pre-defined fields and provide text translations.

The [Laravel](#) based **API** acts as a backend for both web applications for transporting the information to the database, providing data sanitization. The Platform can optionally use Google reCaptcha v.2 service for spam protection and Places API for address autocomplete.



System Requirements

The Platform requires the following server settings:

- PHP 7.1 (or higher, including the following modules)
 - php7.1-mbstring
 - php7.1-dom
 - php7.1-xml
 - php7.1-gd
 - php7.1-bcmath
 - php-tokenizer
 - php7.1-mysql (for PDO)
- Composer 1.x
- MySQL 5.7

The system also uses [Node.js](#) and [NPM](#) for the Front-End scaffolding, but the installation of [Node.js](#) and [NPM](#) is not mandatory.

Platform Installation

The Platform provides an Installation script developed using [Bash](#) scripting language for deployment of the platform on the [Production](#) environment.

The Platform provides an Installation Manual, which can guide system administrators through the installation process and describes configuration dependencies. In addition, manual provides steps on how to modify the Logo displayed on the front page, as well as the requirements for the image.

Functionality

The deployed Hate Crime Incident Reporting Platform provides a possibility for visitors to submit a form, containing the following options:

- Type of reporter
- Date
- Location
- Summary
- File Upload
- E-Mail
- Name
- Should the incident be reported to the police?
- Custom text field
- Custom checkbox
- ReCAPTCHA
- Contact agreement

All elements of the form can be enabled or disabled from the Administration panel of the Platform. The system does not provide the possibility of adding a new question to the system. The questions displayed to the visitors on the Home page are part of the DataBase design. In current implementation there is no possibility to add new questions without modifying the DataBase structure and extensive PHP and JavaScript coding.

The information submitted through the form is then registered in the system as a Report, which can be analysed by Platform's registered users with additional information can be added to the Report, such as Victim's information, Perpetrator, Actions taken, etc. Each Report has Status of Active or Closed. The Reports can later be filtered, printed or exported from the Platform as an Excel file.

The platform has the following user Roles defined.

- IT administrator
- Content administrator
- Group administrator
- User
- Guest

The definition of Roles cannot be modified, no new Roles can be through the Admin Panel.

The Platform supports translation of the text fields available on the Home page, imprint, contacts and privacy policy pages, as well as translation of elements of the Admin Panel.

All available text on the Home page available to the visitors can be edited through the Translation interface only.

The Translations can be exported and imported to the particular instance of the Platform.