

DRIS System Report

Overview

The Disaster Response Information System (DRIS) is a web-based platform designed to streamline disaster reporting, aid requests, volunteer coordination, and authority management. The system supports three main user roles: Citizen, Volunteer, and Authority/Admin.

Project Information:

- **Course:** WOC7014: Framework-based Software Design and Development
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 - **Author ID:** 23096377
 - **Date:** 24/06/2025
 - **Project Repository:** <https://github.com/epireve/dris>
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Problem Statement

Malaysia faces frequent natural disasters such as floods, landslides, and haze. Current disaster management methods are fragmented, causing delays in reporting, aid delivery, and volunteer coordination. NADMA requires a centralized system to improve coordination and communication for disaster response.

Proposed Solution

DRIS is a centralized, web-based platform built with Django. It serves as a single point of contact for citizens, volunteers, and authorities, providing real-time updates on disaster reports and shelter availability. The system is designed to be secure, modular, and user-friendly.

Goals & Objectives

- Streamline disaster event reporting by citizens.
 - Efficiently manage and fulfill aid requests.
 - Coordinate volunteers based on skills and availability.
 - Provide a centralized, up-to-date directory of emergency shelters.
 - Empower authorities with a dashboard for monitoring and managing all response activities.
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User Personas

- **Citizen:** Members of the public affected by or witnessing a disaster. They report incidents and request aid (food, shelter, rescue).
 - **Volunteer:** Individuals who want to help. They register their skills and availability and receive assignments from authorities.
 - **Authority:** NADMA staff or authorized personnel. They monitor the situation, manage resources, coordinate shelters, and assign volunteers to tasks.
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Key Features

- **Emergency Hotline Banner:** Prominently displays the emergency hotline (999) at the top of every page.
 - **Role-Based Navigation:** Dynamic navigation and dashboard content based on user role.
 - **Disaster Reporting:** Citizens can submit disaster reports with geolocation via a searchable, draggable map pin.
 - **Aid Requests:** Citizens can request aid linked to disaster reports; authorities and volunteers can manage and respond.
 - **Shelter Directory:** Public and managed directory of shelters, including location, capacity, and availability.
 - **Volunteer Management:** Volunteers can register, update profiles, and be assigned to aid tasks.
 - **Analytics Dashboard:** Authorities can view statistics and manage all aspects of disaster response.
 - **Responsive UI:** Built with Bootstrap for accessibility and mobile-friendliness.
 - **Real-time Updates:** Disaster reports and shelter availability are updated in real time for all users.
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Functional Requirements

Feature	Description
User Management	Role-based registration and login for Citizens, Volunteers, and Authorities
Disaster Reporting	Citizens report disaster events with type, GPS, severity, and timestamp
Aid Request Management	Citizens submit aid requests (food, shelter, rescue)
Volunteer Coordination	Volunteers register skills/availability; authorities assign tasks
Shelter Directory	Public list of shelters with location, capacity, and availability
Administrative Dashboard	Authorities manage users, reports, shelters, and assignments

Non-Functional Requirements

Requirement	Description
Architecture	Follows Django's Model-View-Template (MVT) architecture
Security	Secure authentication and role-based access control (RBAC)
Code Quality	Modular, maintainable, and reusable codebase
Real-time	Real-time updates for disaster reports and shelter availability

Technical Stack

- **Framework:** Django
- **Frontend:** Django templates, Bootstrap, Leaflet.js for maps
- **Database:** SQLite3 (for prototype)
- **Architecture:** Model-View-Template (MVT)

- **Admin:** Django-admin for backend management
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Recent Enhancements

- Emergency hotline banner with marquee effect.
 - NADMA logo and blended background image in the hero section.
 - Disaster report submission with map search and draggable pin, integrated in the form card.
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System Structure

- **Backend:** Django (Python)
 - **Frontend:** Django templates, Bootstrap, Leaflet.js for maps
 - **Static Assets:** Located in `staticfiles/`
 - **Documentation:** All docs in `docs/`
-

Data Model Design

This section outlines the minimal data model for the DRIS prototype application.

Entity Relationship Summary

- **User:** A custom User model with a `role` field to distinguish between Citizens, Volunteers, and Authorities.
- **DisasterReport:** A citizen can create disaster reports with location and severity.
- **AidRequest:** A citizen can make aid requests linked to disaster reports.
- **Shelter:** A standalone entity for managing available shelter resources.

Tables (Models)

1. User

(Extends Django's AbstractUser)

Field Name	Data Type	Description/Constraints
<code>id</code>	<code>BigAutoField</code>	Primary Key
<code>username</code>	<code>CharField</code>	Unique, for login
<code>password</code>	<code>CharField</code>	Hashed by Django
<code>role</code>	<code>CharField</code>	Choices: 'CITIZEN', 'VOLUNTEER', 'AUTHORITY'

2. DisasterReport

Field Name	Data Type	Description/Constraints
<code>id</code>	<code>BigAutoField</code>	Primary Key

Field Name	Data Type	Description/Constraints
reporter	ForeignKey(User)	The citizen who reported it
disaster_type	CharField	Choices: 'Flood', 'Landslide', 'Haze', 'Other'
latitude	DecimalField	GPS coordinate
longitude	DecimalField	GPS coordinate
severity	CharField	Choices: 'Low', 'Medium', 'High'
timestamp	DateTimeField	Auto-generated on creation

3. AidRequest

Field Name	Data Type	Description/Constraints
id	BigAutoField	Primary Key
requester	ForeignKey(User)	The citizen requesting aid
disaster_report	ForeignKey(DisasterReport)	Optional link to a disaster report
aid_type	CharField	Choices: 'Food', 'Shelter', 'Rescue'
status	CharField	Choices: 'Pending', 'Fulfilled'

4. Shelter

Field Name	Data Type	Description/Constraints
id	BigAutoField	Primary Key
location	CharField	Address or description
capacity	IntegerField	Maximum number of people
availability	IntegerField	Current available spots

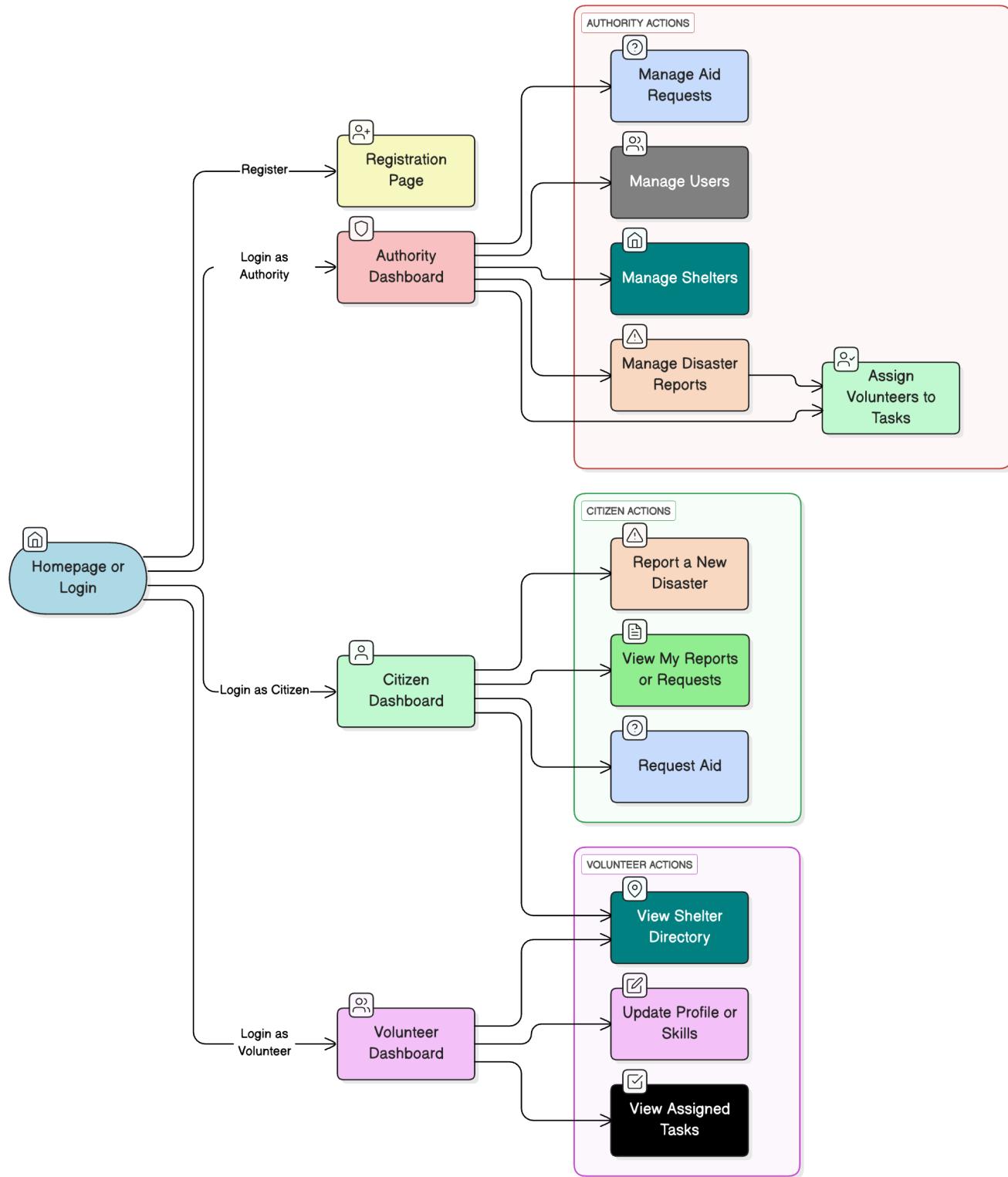
Relationships

- User (1) --- (M) DisasterReport: A user can create multiple disaster reports
- User (1) --- (M) AidRequest: A user can make multiple aid requests
- DisasterReport (1) --- (M) AidRequest: A disaster report can have multiple aid requests
- Shelter is standalone, referenced in AidRequest if needed

Navigation Flow

This section illustrates the user navigation paths for each role (Citizen, Volunteer, Authority) within the DRIS application.

Navigation Diagram



Flow Description

- Entry Point:** All users start at the **Homepage**, which provides options to **Login** or **Register**. The registration page will ask for the user's intended role.
- Citizen Flow:**
 - After logging in, a Citizen lands on their dashboard.
 - From here, they can navigate to:
 - A form to **Report a New Disaster**.

- A form to **Request Aid**.
- A page to view the status of their past **Reports and Requests**.
- The public **Shelter Directory**.

3. Volunteer Flow:

- After logging in, a Volunteer lands on their dashboard.
- Their primary navigation options are:
 - A page to **Update their Profile**, including skills and availability.
 - A list of their **Assigned Tasks** from Authorities.
 - The public **Shelter Directory**.

4. Authority Flow:

- After logging in, an Authority is taken to the main **Administrative Dashboard**.
- This dashboard is the central hub for all management functions:
 - **Manage Disaster Reports:** View, filter, and update the status of all reports.
 - **Manage Aid Requests:** View and track all incoming requests.
 - **Manage Shelters:** Add, edit, or remove shelters and update their availability.
 - **Manage Users:** View and manage all user accounts.
 - **Assign Volunteers:** From the disaster report view, an Authority can assign an available volunteer to a specific task.

Main Navigation Structure

[Home] [Disaster Reports] [Aid Requests] [Shelters] [Analytics]
 [Login/Register or Profile/Logout]

- Navigation links are shown/hidden based on user role and authentication status.

Page Access Matrix

Page	Citizen	Volunteer	Authority/Admin
Home	✓	✓	✓
Disaster Reports	✓	✓	✓
Aid Requests	✓	✓	✓
Shelters	✓	✓	✓
Analytics			✓
Volunteer Register		✓	
Manage Shelters			✓
Assign Tasks			✓

User Journey Examples

Citizen

- **Report Disaster:** Home → Report Disaster → Fill Form → Submit → See My Reports
- **Request Aid:** Home → Request Aid → Fill Form → Submit → See My Requests

Volunteer

- **Respond to Aid:** Home → Aid Requests → View Details → Respond/Update Status
- **Register as Volunteer:** Home → Volunteer Profile → Register/Update

Authority/Admin

- **Assign Task:** Home → Manage Aid → Aid Request Detail → Assign Volunteer
 - **View Analytics:** Home → Analytics → Dashboard
-

UI/UX Design

This section describes the layout and structure for key templates in the DRIS web application.

Base Template Structure

The base template provides a consistent structure for all pages in the application.

Layout & Structure:

- **Header:** Contains the NADMA logo on the left and an emergency hotline (999) on the right.
- **Navigation Bar:** A simple navigation bar with links that change based on user role (e.g., Login/Register, Dashboard, Report Disaster).
- **Main Content:** A block that will be populated by child templates.
- **Footer:** A sticky footer containing the copyright notice, your name, and student ID.

Code Structure:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>{% block title %}DRIS{% endblock %}</title>
    <!-- Link to CSS framework like Bootstrap -->
</head>
<body>
    <header style="display: flex; justify-content: space-between; padding: 10px; border-bottom: 1px solid #ccc;">
        <div><!-- NADMA Logo Image --> NADMA</div>
        <div>Emergency Hotline: <strong>999</strong></div>
    </header>

    <nav>
        <!-- Navigation links here -->
```

```

</nav>

<main class="container">
    {% block content %}
        <!-- Page-specific content will go here -->
    {% endblock %}
</main>

<footer style="text-align: center; padding: 10px; margin-top: 20px;
border-top: 1px solid #ccc;">
    <p>&copy; 2025 NADMA, [Your Full Name], [Your Student ID]</p>
</footer>
</body>
</html>

```

Key Page Templates

Template for Viewing and Filtering Disaster Reports

- **Purpose:** To allow all users (especially Authorities) to view a list of all submitted disaster reports and filter them to find relevant information quickly.
- **Design:**
 - **Filters:** A form at the top of the page with dropdowns for **Disaster Type** and **Severity**, and a text input for **Location**. A "Filter" button applies the search.
 - **Report List:** The reports are displayed in a table or as a series of cards. Each entry shows key information: Type, Location (GPS), Severity, Status, and Timestamp.
 - **Actions:** For Authority users, each report will have a "Details" button to view more information and manage assignments.

Template for Submitting Aid Requests OR Registering as a Volunteer

- **Purpose:** To provide a simple form for a specific user action.
- **Design (Aid Request Form for Citizens):**
 - A clean, single-column form.
 - **Fields:**
 - Dropdown for **Aid Type** (Food, Shelter, Rescue, Medical).
 - A **textarea** for **Description** to provide more details.
 - A **Submit Request** button.
 - The form will be pre-filled with the user's identity on the backend.
- **Design (Volunteer Registration/Profile Form for Volunteers):**
 - A form to capture or update volunteer-specific information.
 - **Fields:**
 - A **textarea** or tag-input field for **Skills** (e.g., "First Aid, Driving, Communication").
 - A checkbox for **Availability** ("I am currently available to help").
 - An **Update Profile** button.

UI/UX Design Principles

Overview

The Disaster Response Information System (DRIS) is designed for three main user roles:

- **Citizen:** Report disasters, request aid, view their own reports/requests.
- **Volunteer:** View/respond to aid requests, manage their volunteer profile.
- **Authority/Admin:** Manage disaster reports, aid requests, volunteers, shelters, and view analytics.

The UI is built with Bootstrap for a modern, responsive, and accessible experience.

Base Template Components

- **Navbar:** Dynamic links based on user role (Home, Manage Reports, Manage Aid, Manage Shelters, Analytics, Login/Logout, Register).
- **Hero Section:** Full-width welcome and role-based intro.
- **Quick Actions:** Cards for key actions (e.g., Report Disaster, Request Aid, Manage Shelters).
- **Footer:** Credits and copyright.

Key Pages

Home

- Role-based quick actions and navigation.
- Welcome hero.

Disaster Reports

- List, filter, and detail views.
- Submit report (citizen).
- Manage/verify (authority/admin).

Aid Requests

- List, filter, and detail views.
- Submit request (citizen).
- Assign/respond (volunteer, authority).

Volunteer Registration/Profile

- Registration form.
- Profile management.

Authority Analytics

- Dashboard cards and charts for disaster, aid, assignment stats.

Shelter Directory

- Public list with location, capacity, availability.
- Filtering by location and availability.
- Add/edit (authority/admin).

Authentication

- Login, registration, logout.

UI/UX Principles

- **Consistency:** Bootstrap components, color scheme, and spacing.
- **Accessibility:** ARIA labels, proper form labels, keyboard navigation.
- **Responsiveness:** Mobile-friendly layouts.
- **Feedback:** Success/error messages, alerts, and badges.

Color Palette

- Primary: #3498db (blue)
- Secondary: #2c3e50 (dark blue)
- Success: #28a745 (green)
- Danger: #dc3545 (red)
- Info: #17a2b8 (teal)
- Light: #f8f9fa
- Dark: #343a40

Typography

- Headings: Bold, clear, Bootstrap defaults.
- Body: Readable, sufficient contrast.

Accessibility

- All forms have labels.
- Buttons and badges have ARIA labels.
- Alerts use `role="alert"`.
- Sufficient color contrast.

System Screenshots

Registration and Profile

Registration Page

Register for DRIS

Username
 [...]
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email

Role
 Citizen

Password
 [...]
• Your password can't be too similar to your other personal information.
• Your password must contain at least 8 characters.
• Your password can't be a commonly used password.
• Your password can't be entirely numeric.

Confirm Password
 [...]
Enter the same password as before, for verification.

Register

Already have an account? [Login here](#)

The registration page allows new users to create an account by providing essential details. The process is streamlined to ensure quick access for citizens, volunteers, and authorities.

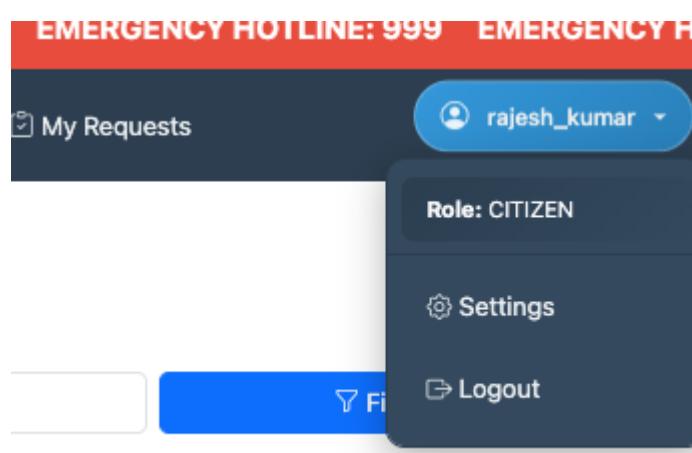
Role Selection During Registration

The screenshot shows a registration form titled "Register for DRIS". The "Role" section is highlighted with a blue border. It contains three options: "Citizen" (selected with a checked checkbox), "Volunteer", and "Authority". Below the role selection, there is a list of password requirements:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Other fields visible include "Username" and "Email" (both with placeholder text and character count limits), "Confirm Password", and a large green "Register" button. A link "Already have an account? [Login here](#)" is also present.

During registration, users select their intended role (Citizen, Volunteer, Authority), which tailors their experience and access within the system.



Profile Dropdown **nestamp** **Actions**

The profile dropdown menu provides users with quick access to their account settings and logout functionality, ensuring secure and

convenient session management.

Authority/Admin Views

Homepage for Authority

The screenshot shows the homepage of the Disaster Response Information System (DRIS) for authority users. At the top, there are three red buttons with the text "EMERGENCY HOTLINE: 999". Below this is a dark header bar with the DRIS logo on the left and links for "Manage Reports", "Manage Aid", "Manage Shelters", "Analytics", and a user dropdown for "authority_terengganu". The main area features a large image of emergency responders in action, with a circular logo in the top left corner. The text "Welcome to DRIS" is prominently displayed in the center, followed by "Monitor and manage disaster situations".

Quick Actions

The dashboard is divided into four sections: 1. "Disaster Reports" (red icon, Manage Reports button). 2. "Aid Requests" (blue thumbs-up icon, Manage Aid button). 3. "Manage Shelters" (green house icon, Manage Shelters button). 4. "Analytics" (blue bar chart icon, View Analytics button).

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Disaster Response Information System

The authority dashboard serves as the central hub for disaster management, providing real-time updates and direct access to disaster reports, aid requests, shelters, and analytics.

Disaster Report List and Detail

LINE: 999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999



- [Manage Reports](#)
- [Manage Aid](#)
- [Manage Shelters](#)
- [Analytics](#)
- [authority_terengganu](#)

Disaster Reports

Disaster Type	Severity	Location			
Type	Location	Severity	Status	Timestamp	Actions
Flood	3.487959, 103.396187	High	New	2024-12-28 07:00	<button>Details</button>
Flood	3.073628, 101.518652	Medium	New	2024-12-21 04:00	<button>Details</button>
Flood	2.729468, 101.939621	Medium	New	2024-12-13 15:00	<button>Details</button>
Flood	4.240508, 103.425789	High	In Progress	2024-12-12 03:00	<button>Details</button>
Landslide	3.421227, 101.793600	Low	In Progress	2024-12-12 01:00	<button>Details</button>
Flood	3.450819, 102.417527	High	New	2024-12-11 23:00	<button>Details</button>
Flood	3.045891, 101.444840	High	New	2024-12-09 06:00	<button>Details</button>
Flood	5.328394, 103.137115	Critical	New	2024-12-07 17:00	<button>Details</button>
Flood	3.808011, 103.326447	Critical	New	2024-12-06 21:00	<button>Details</button>
Flood	4.755178, 103.414963	Medium	In Progress	2024-12-02 05:00	<button>Details</button>

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Disaster Response Information System

Authorities can view and filter all submitted disaster reports. Each report entry includes disaster type, location, severity, and status, with interactive map previews for spatial context.

EMERGENCY HOTLINE: 999

DRIS Manage Reports Manage Aid Manage Shelters Analytics authority_terengganu

[Home](#) / [Disaster Reports](#) / Report #6

Flood New High

Description: Pekan town flooded due to river overflow. Roads impassable.

Location: 3.487959, 103.396187

Reported by: Fatimah Ali (fatimah_ali)

Timestamp: 2024-12-28 07:00

Associated Aid Requests

No aid requests associated with this report.

Administrative Actions

Update Status

New

[View Related Aid Requests](#)

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Disaster Response Information System

Detailed view of a specific disaster report. Authorities can inspect the report's information, view the precise location on an interactive map, and take management actions as needed.

Aid Requests List and Detail

EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999

 DRIS
[Manage Reports](#)
[Manage Aid](#)
[Manage Shelters](#)
[Analytics](#)

 authority_terengganu
 ▼

Aid Requests

Medical	Urgent Priority	Shelter	Medium Priority
Status: Pending Medical assistance required for elderly flood victims.	Quantity: 15 Related Disaster: Flood Location: Pusat Kesihatan Klang Requested by: fatimah_ali Date: December 28, 2024, 10 p.m. Not yet assigned View Details	Status: Pending Additional bedding and blankets for shelter.	Quantity: 80 Related Disaster: Flood Location: Balai Raya Seremban Requested by: fatimah_ali Date: December 28, 2024, 3 p.m. Assigned to: volunteer_lisa View Details
Water	Medium Priority	Food	High Priority
Status: Approved Water purification tablets needed urgently.	Quantity: 500 Related Disaster: Flood Location: Kuala Terengganu flood area Requested by: chen_mei_ling Date: December 27, 2024, 10 p.m. Not yet assigned View Details	Status: Approved Emergency food rations for isolated village.	Quantity: 100 Related Disaster: Flood Location: Kampung Baru Kemaman Requested by: ahmad_shah Date: December 14, 2024, 9 p.m. Assigned to: volunteer_lisa View Details
Food	High Priority	Food	Medium Priority
Status: Approved Urgent need for food supplies for 50 families affected by flood.	Quantity: 50 Related Disaster: Flood Location: Taman Klang Utama, Block A-D Requested by: chen_mei_ling Date: December 13, 2024, 8 a.m. Not yet assigned	Status: In Progress Hot meals for rescue workers and volunteers.	Quantity: 40 Related Disaster: Flood Location: Pusat Operasi Bencana Shah Alam Requested by: robert_tan Date: December 10, 2024, 5 a.m. Not yet assigned

Authorities can monitor, filter, and process all incoming aid requests, ensuring timely and effective disaster response.

The screenshot shows a user interface for managing aid requests. At the top, there's a red header bar with the text "EMERGENCY HOTLINE: 999" repeated twice. Below it is a dark blue navigation bar with the DRIS logo on the left and links for "Manage Reports", "Manage Aid", "Manage Shelters", "Analytics", and a dropdown for "authority_terengganu".

The main content area has four sections:

- Aid Request Details**: This section is highlighted in blue. It shows a request for "Medical (Urgent Priority)".
 - Status:** Pending
 - Description:** Medical assistance required for elderly flood victims.
 - Quantity:** 15
 - Location:** Pusat Kesihatan Klang
 - Requested by:** fatimah_ali
 - Date:** December 28, 2024, 10 p.m.
 - Related Disaster:** [Flood](#)
- Update Status / Add Notes**: This section is in a grey box.
 - Status**: A dropdown menu currently set to "Pending".
 - Notes**: An empty text area for notes.
 - Update**: A blue button at the bottom-left of the box.
- Assign Volunteer**: This section is in a green box.
 - Select Volunteer**: A dropdown menu currently set to "-- Select Volunteer --".
 - Assignment Notes**: An empty text area for notes.
 - Assign Volunteer**: A green button at the bottom-left of the box.
- Assignment History**: This section is in a light blue box. It contains a descriptive paragraph about the aid request detail page.

Below the assignment history section, there's a large explanatory text block:

Each aid request detail page provides comprehensive information, including requester, type of aid, and status, with options to assign volunteers or update fulfillment status.

Shelter Directory and Management

IE: 999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999

[Manage Reports](#)[Manage Aid](#)[Manage Shelters](#)[Analytics](#)[authority_terengganu](#)

Public Shelter Directory

[All Locations](#) Only show available[Filter](#)[+ Add Shelter](#)

Dewan Serbaguna Bentong	
Location: Bentong, Pahang	
Capacity: 120	
Availability: 100	
Contact: +60123456789	
	Active

Sekolah Menengah Dungun	
Location: Dungun, Terengganu	
Capacity: 130	
Availability: 110	
Contact: +60123456789	
	Active

Dewan Orang Ramai Klang	
Location: Klang, Selangor	
Capacity: 200	
Availability: 150	
Contact: +60123456789	
	Active

Masjid Al-Hidayah	
Location: Kuala Terengganu, Terengganu	
Capacity: 100	
Availability: 80	
Contact: +60123456789	
	Active

Sekolah Kebangsaan Kuantan	
Location: Kuantan, Pahang	
Capacity: 150	
Availability: 120	
Contact: +60123456789	
	Active

Balai Bomba Port Dickson	
Location: Port Dickson, Negeri Sembilan	
Capacity: 90	
Availability: 75	
Contact: +60123456789	
	Active

Balai Raya Seremban	
Location: Seremban, Negeri Sembilan	
Capacity: 180	
Availability: 160	
Contact: +60123456789	
	Active

Pusat Komuniti Shah Alam	
Location: Shah Alam, Selangor	
Capacity: 250	
Availability: 200	
Contact: +60123456789	
	Active

A comprehensive directory of available shelters, displaying location, capacity, and current availability. Authorities can quickly assess and manage shelter resources.

The screenshot shows the DRIS application's user interface. At the top, there is a red header bar with the text "EMERGENCY HOTLINE: 999" repeated three times. Below this is a dark blue navigation bar containing the DRIS logo, menu items for "Manage Reports", "Manage Aid", "Manage Shelters", and "Analytics", and a user account dropdown labeled "authority_terengganu". The main content area is titled "Edit Shelter" in a blue header. It contains several input fields: "Name" (Sekolah Menengah Dungun), "Location" (Dungun, Terengganu), "Capacity" (130), "Availability" (110), and "Contact info" (+60123456789). There is also a checkbox for "Is active" which is checked. At the bottom of the form are two buttons: a blue "Update" button and a grey "Cancel" button.

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Disaster Response Information System

Authorities can edit shelter details, update capacity, and manage availability to ensure optimal resource allocation during disasters.

The screenshot shows the DRIS Public Shelter Directory. At the top, there's a red header bar with the text "999 EMERGENCY HOTLINE: 999". Below it is a dark blue navigation bar with the DRIS logo, menu items like "Manage Reports", "Manage Aid", "Manage Shelters", "Analytics", and a user account section. A green button on the right says "authority_terengganu".

The main area is titled "Public Shelter Directory". It features a search bar labeled "Search by location...". To its right is a dropdown menu titled "All Locations" with several options: Bentong, Pahang; Dungun, Terengganu; Klang, Selangor; Kuala Terengganu, Terengganu; Kuantan, Pahang; Port Dickson, Negeri Sembilan; Seremban, Negeri Sembilan; and Shah Alam, Selangor. There's also a checkbox for "Only show available" and a "Filter" button.

Two shelter cards are displayed:

- Dewan Serbaguna Bentong** (with edit icon):
 - Location:** Bentong, Pahang
 - Capacity:** 120
 - Availability:** 100
 - Contact:** +60123456789
- Dewan Orang Ramai Klang** (with edit icon):
 - Location:** Klang, Selangor
 - Capacity:** 200
 - Availability:** 150
 - Contact:** +60123456789

A green button on the right says "+ Add Shelter".

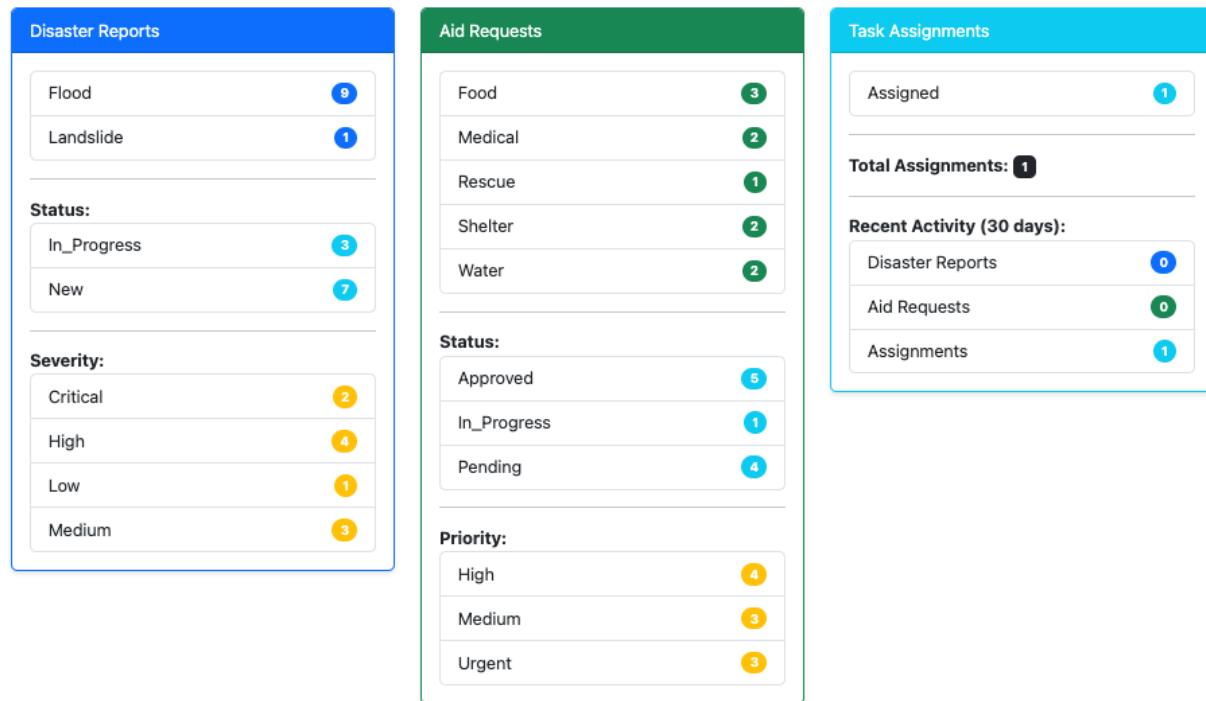
The shelter directory supports advanced filtering, allowing authorities to efficiently locate and manage shelters based on specific criteria.

Analytics Dashboard

EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999

 Manage Reports Manage Aid Manage Shelters Analytics authority_terengganu

Authority Analytics Dashboard



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Disaster Response Information System

The analytics dashboard provides visual insights into disaster trends, aid requests, and resource allocation, supporting data-driven decision-making for authorities.

Citizen Views

Disaster Reports List and Detail

999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999

[Report](#)[Request Aid](#)[My Reports](#)[My Requests](#)

rajesh_kumar

Disaster Reports

Disaster Type

Severity

Location

All Types

All Severities

Filter

Type	Location	Severity	Status	Timestamp	Actions
Flood	4.240508, 103.425789	High	In Progress	2024-12-12 03:00	Details

Citizens can view a list of their submitted disaster reports, each with status indicators and interactive map previews for easy tracking and spatial awareness.

EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999

DRIS

[Report](#) [Request Aid](#) [My Reports](#) [My Requests](#) [rajesh_kumar](#)

[Home](#) / [Disaster Reports](#) / Report #8

Flood In Progress High

Description: Kemaman district underwater. Multiple kampungs evacuated.

Location: 4.240508, 103.425789

Flood 4.240508, 103.425789

Reported by: Rajesh Kumar (rajesh_kumar)

Timestamp: 2024-12-12 03:00

Associated Aid Requests

Type	Description	Quantity	Priority	Status	Assigned To	Actions
Food	Emergency food rations for isolated village.	100	High	Approved	Lisa Volunteer	Details

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Disaster Response Information System

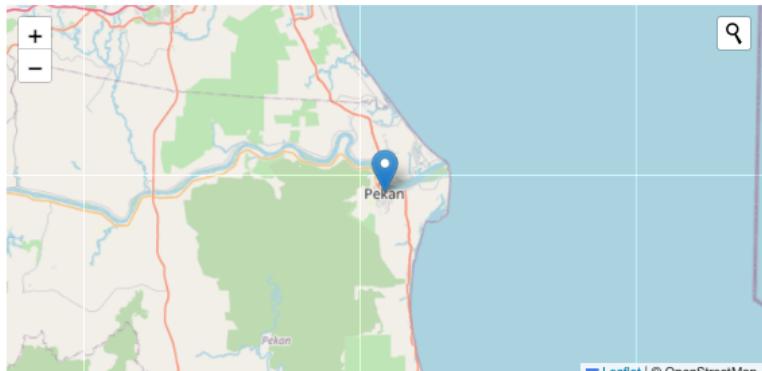
Each disaster report detail page features an interactive map, allowing citizens to review the exact location of the reported incident and all associated details.

Submit Disaster Report

EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999

 [Report](#) [Request Aid](#) [My Reports](#) [My Requests](#) [rajesh_kumar](#)

Submit Disaster Report



Disaster type *

Select the type of disaster

Description *
Provide detailed information about the disaster...

Detailed description of the disaster

Latitude *
3.489551
GPS latitude coordinate (-90 to 90)

Longitude *
103.390396
GPS longitude coordinate (-180 to 180)

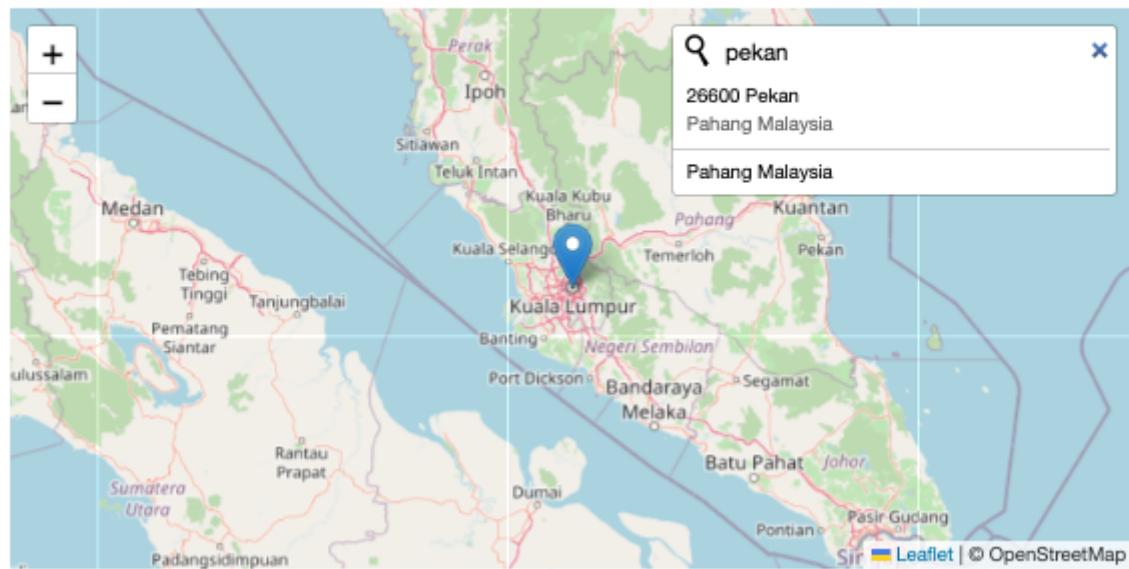
Severity *

Rate the severity of the disaster

Submit Report

The disaster report submission form enables citizens to report incidents efficiently. The form includes fields for disaster type, severity, and description.

Submit Disaster Report



During disaster reporting, citizens can search for a location and precisely place a pin on the interactive map by dragging and dropping, ensuring accurate geolocation of the incident.

Aid Requests

The screenshot shows the DRIS (Disaster Response Information System) interface for submitting aid requests. At the top, there is a red header bar with three 'EMERGENCY HOTLINE: 999' links. Below it is a dark header bar with the DRIS logo, navigation links for 'Report', 'Request Aid', 'My Reports', 'My Requests', and a user profile for 'rajesh_kumar'. The main content area has a blue header 'Submit Aid Request'. The form fields are as follows:

- Aid Type ***: Medical (selected)
- Description ***: 2 elderly needed a bed urgently.
- Detailed description of the aid needed**: (empty field)
- Quantity**: 2
- Enter the number of items/people (optional)**: (empty field)
- Priority ***: Urgent
- How urgent is this request?**: (empty field)
- Location Details ***: Pekan, Pahang
- Specific location details for aid delivery**: (empty field)
- Related Disaster Report**: FLOOD - HIGH - 2024-12-12 03:00
- Link this request to a disaster report**: (empty field)

At the bottom of the form are two buttons: a blue 'Submit Request' button and a grey 'Cancel' button.

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Disaster Response Information System

Citizens can submit aid requests specifying the type of assistance needed. The process is integrated with disaster reports for seamless support.

The screenshot shows the DRIS application interface. At the top, there is a red header bar with the text "EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999". Below this is a dark blue navigation bar with the DRIS logo, a report button, a request aid button, my reports, my requests, and a user profile for "rajesh_kumar".

The main content area has a blue header "Aid Request Details" containing the following information:

- Food (High Priority)**
- Status:** Approved
- Description:** Emergency food rations for isolated village.
- Quantity:** 100
- Location:** Kampung Baru Kemaman
- Requested by:** ahmad_shah
- Date:** December 14, 2024, 9 p.m.
- Related Disaster:** [Flood](#)

Below this is another section titled "Assignment History" with a message: "No assignments yet."

At the bottom of the page, there is a dark footer bar with the text "© 2025 NADMA, M Firdaus M Adib, 23096377 Disaster Response Information System".

Citizens can view the status and details of their submitted aid requests, including fulfillment progress and any authority or volunteer responses.

Volunteer Views

Volunteer Homepage

9 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999

DRIS

Aid Requests Reports

volunteer_raj

Welcome to DRIS

Respond to aid requests and help citizens in need

Aid Requests

View and respond to aid requests from citizens

View Requests

Disaster Reports

Monitor active disaster situations

View Reports

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Disaster Response Information System

The volunteer dashboard provides an overview of assigned tasks and quick access to disaster and aid management features.

Disaster Reports and Aid Requests

EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999


Aid Requests
Reports
volunteer_raj

Disaster Reports

Disaster Type	Severity	Location			
Type	Location	Severity	Status	Timestamp	Actions
Flood	3.487959, 103.396187	High	New	2024-12-28 07:00	<button>Details</button>
Flood	3.073628, 101.518652	Medium	New	2024-12-21 04:00	<button>Details</button>
Flood	2.729468, 101.939621	Medium	New	2024-12-13 15:00	<button>Details</button>
Flood	4.240508, 103.425789	High	In Progress	2024-12-12 03:00	<button>Details</button>
Landslide	3.421227, 101.793600	Low	In Progress	2024-12-12 01:00	<button>Details</button>
Flood	3.450819, 102.417527	High	New	2024-12-11 23:00	<button>Details</button>
Flood	3.045891, 101.444840	High	New	2024-12-09 06:00	<button>Details</button>
Flood	5.328394, 103.137115	Critical	New	2024-12-07 17:00	<button>Details</button>
Flood	3.808011, 103.326447	Critical	New	2024-12-06 21:00	<button>Details</button>
Flood	4.755178, 103.414963	Medium	In Progress	2024-12-02 05:00	<button>Details</button>

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Disaster Response Information System

Volunteers can view disaster reports relevant to their assignments, with interactive map integration for situational awareness.

EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999

 DRIS
Aid Requests
Reports
volunteer_raj

Aid Requests

Medical	Urgent Priority
Status: Pending 2 elderly needed a bed urgently. Quantity: 2 Related Disaster: Flood Location: Pekan, Pahang Requested by: rajesh_kumar Date: June 23, 2025, 10:07 p.m. Not yet assigned View Details	Status: Pending Medical assistance required for elderly flood victims. Quantity: 15 Related Disaster: Flood Location: Pusat Kesihatan Klang Requested by: fatimah_ali Date: December 28, 2024, 10 p.m. Not yet assigned View Details
Shelter	Medium Priority
Status: Pending Additional bedding and blankets for shelter. Quantity: 80 Related Disaster: Flood Location: Balai Raya Seremban Requested by: fatimah_ali Date: December 28, 2024, 3 p.m. Assigned to: volunteer_lisa View Details	Status: Approved Water purification tablets needed urgently. Quantity: 500 Related Disaster: Flood Location: Kuala Terengganu flood area Requested by: chen_mei_ling Date: December 27, 2024, 10 p.m. Not yet assigned View Details
Food	High Priority
Status: Approved Emergency food rations for isolated village. Quantity: 100 Related Disaster: Flood Location: Kampung Baru Kemaman Requested by: ahmad_shah Date: December 14, 2024, 9 p.m.	Status: Approved Urgent need for food supplies for 50 families affected by flood. Quantity: 50 Related Disaster: Flood Location: Taman Klang Utama, Block A-D Requested by: chen_mei_ling Date: December 13, 2024, 8 a.m.

A list of aid requests available for volunteers to respond to, with filtering and sorting options for efficient task management.

The screenshot shows the DRIS (Disaster Response Information System) volunteer interface. At the top, there is a red header bar with the text "99 EMERGENCY HOTLINE: 999 EMERGENCY HOTLINE: 999". Below the header, the DRIS logo is on the left, and navigation links for "Aid Requests" and "Reports" are in the center. A user profile icon on the right is labeled "volunteer_raj".

Aid Request Details

Medical (Urgent Priority)

Status: Pending

Description: 2 elderly needed a bed urgently.

Quantity: 2

Location: Pekan, Pahang

Requested by: rajesh_kumar

Date: June 23, 2025, 10:07 p.m.

Related Disaster: [Flood](#)

Update Status / Add Notes

Status
Pending

Notes

Update

Assignment History

No assignments yet.

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Disaster Response Information System

Volunteers can view detailed information about aid requests and take direct action, such as accepting assignments or updating status.

Django Admin Interface

The Django Admin interface provides comprehensive backend management capabilities for system administrators, accessible at </admin>. This powerful administrative panel allows complete CRUD operations on all system entities and provides advanced filtering, search, and bulk actions for efficient data management.

Admin Homepage

The screenshot shows the Django Admin homepage. At the top, there's a header bar with "Django administration" on the left and "WELCOME, EPIREVE. VIEW SITE / CHANGE PASSWORD / LOG OUT" on the right. Below the header, the main content area is titled "Site administration".

The main content is organized into several sections:

- AUTHENTICATION AND AUTHORIZATION**: Contains a "Groups" entry with "Add" and "Change" buttons.
- CORE**: A large section containing six items: "Aid requests", "Disaster reports", "Shelters", "Task assignments", "Users", and "Volunteer profiles", each with "Add" and "Change" buttons.
- Recent actions**: A sidebar section showing "My actions" and "None available".

The Django Admin homepage serves as the central dashboard for system administrators, providing an organized overview of all manageable models including Users, Disaster Reports, Aid Requests, Shelters, Task Assignments, and Volunteer Profiles. Each section displays recent activity counts and provides direct access to list views and creation forms.

Disaster Reports Management

The screenshot shows the Django administration interface for managing disaster reports. The left sidebar includes links for Home, Core, and Disaster reports. The main content area displays a list of disaster reports with columns for ID, Disaster Type, Severity, Status, Reporter, and Timestamp. A filter sidebar on the right allows users to search by disaster type, severity, status, and timestamp.

ID	DISASTER TYPE	SEVERITY	STATUS	REPORTER	T
6	Flood	High	New	fatimah_ali	D
2	Flood	Medium	New	siti_aminah	D
10	Flood	Medium	New	david_wong	D
8	Flood	High	In Progress	rajesh_kumar	D
3	Landslide	Low	In Progress	lee_wei_ming	D
5	Flood	High	New	robert_tan	D
1	Flood	High	New	ahmad_shah	D
7	Flood	Critical	New	chen_mei_ling	D
4	Flood	Critical	New	priya_devi	D
9	Flood	Medium	In Progress	nurul_huda	D

10 disaster reports

The disaster reports administration view displays a comprehensive list of all submitted disaster reports with advanced filtering options by status, disaster type, and date range. Administrators can perform bulk actions, search by location or description, and access detailed edit views for each report.

The screenshot shows the Django administration interface for a disaster report. The left sidebar has a search bar and sections for AUTHENTICATION AND AUTHORIZATION (Groups, + Add), CORE (Aid requests, + Add; Disaster reports, + Add; Shelters, + Add; Task assignments, + Add; Users, + Add; Volunteer profiles, + Add). The main content area is titled "Change disaster report" for "FLOOD - MEDIUM - 2024-12-13 15:00". It includes fields for Disaster type (Flood), Severity (Medium), Status (New), Description (Seremban hit by unexpected flash flood. Shopping complexes affected.), Latitude (2.729468), Longitude (101.939621), Reporter (david_wong), and Timestamp (Dec. 13, 2024, 3 p.m.). The last updated timestamp is June 23, 2025, 5:15 a.m. At the bottom are buttons for SAVE, Save and add another, Save and continue editing, and Delete.

The disaster report edit interface provides complete control over report details including status updates, severity adjustments, location coordinates, and administrative notes. The form includes validation and provides clear feedback for data integrity and proper disaster classification.

Aid Requests Management

The screenshot shows the Django administration interface for 'Aid requests'. The left sidebar has a search bar and sections for 'AUTHENTICATION AND AUTHORIZATION' and 'CORE' (Groups, Aid requests, Disaster reports, Shelters, Task assignments, Users, Volunteer profiles). The main area title is 'Select aid request to change'. It shows a table with 11 rows of aid requests from 2024 and 2025. The columns are: Action, ID, AID TYPE, PRIORITY, STATUS, REQUESTER, and TIME. The requests include Medical, Urgent, Pending, requests from rajesh_kumar, fatimah_ali, chen_mei_ling, ahmad_shah, and robert_tan, with IDs 11, 3, 9, 7, 6, 1, 10, 4, 5, 8, and 2 respectively. The right sidebar contains a 'FILTER' section with dropdown menus for aid type (Food, Water, Shelter, Medical, Rescue, Other), priority (All, Low, Medium, High, Urgent), status (All, Pending, Approved, In Progress, Fulfilled, Rejected), and timestamp (Any date, Today, Past 7 days, This month, This year).

Action:	ID	AID TYPE	PRIORITY	STATUS	REQUESTER	TIME
<input type="checkbox"/>	11	Medical	Urgent	Pending	rajesh_kumar	June
<input type="checkbox"/>	3	Medical	Urgent	Pending	fatimah_ali	Dec.
<input type="checkbox"/>	9	Shelter	Medium	Pending	fatimah_ali	Dec.
<input type="checkbox"/>	7	Water	Medium	Approved	chen_mei_ling	Dec.
<input type="checkbox"/>	6	Food	High	Approved	ahmad_shah	Dec.
<input type="checkbox"/>	1	Food	High	Approved	chen_mei_ling	Dec.
<input type="checkbox"/>	10	Food	Medium	In Progress	robert_tan	Dec.
<input type="checkbox"/>	4	Shelter	High	Approved	fatimah_ali	Dec.
<input type="checkbox"/>	5	Rescue	Urgent	Approved	nurul_huda	Dec.
<input type="checkbox"/>	8	Medical	High	Pending	robert_tan	Dec.
<input type="checkbox"/>	2	Water	Urgent	Pending	nurul_huda	Dec.

11 aid requests

The aid requests administration panel offers comprehensive management of all citizen aid requests with filtering by aid type, status, and urgency level. Administrators can efficiently process requests, assign volunteers, and track fulfillment progress through intuitive list actions and bulk operations.

The screenshot shows the Django administration interface for a 'MEDICAL - URGENT Priority - PENDING' aid request. The left sidebar has a search bar and links for AUTHENTICATION AND AUTHORIZATION, CORE (Groups, Aid requests, Disaster reports, Shelters, Task assignments, Users, Volunteer profiles), and HISTORY. The main content area is titled 'Change aid request' and shows the following fields:

- Aid type:** Medical
- Priority:** Urgent
- Status:** Pending
- Description:** 2 elderly needed a bed urgently.
- Detailed description of the aid needed:** (Large text area)
- Quantity:** 2 (Number of items/people needing assistance)
- Location details:** Pekan, Pahang
- Specific location details for aid delivery:** (Large text area)
- Disaster report:** 8 (FLOOD - HIGH - 2024-12-12 03:00)
- Requester:** rajesh_kumar (dropdown with edit, add, and eye icons)
- Assigned to:** (Search input)
- Timestamp:** June 23, 2025, 10:07 p.m.
- Last updated:** June 23, 2025, 10:07 p.m.

At the bottom are buttons for **SAVE**, **Save and add another**, **Save and continue editing**, and **Delete**.

Individual aid request editing provides detailed control over request parameters, volunteer assignments, status updates, and administrative annotations. The interface supports workflow management with dropdown selections for aid types and status transitions.

Shelter Management

The screenshot shows the Django administration interface for shelter management. The left sidebar contains a navigation tree with 'Home', 'Core', and 'Shelters' selected. Under 'Core', there are links for 'Aid requests', 'Disaster reports', 'Shelters' (which is highlighted in green), 'Task assignments', 'Users', and 'Volunteer profiles'. The main content area is titled 'Select shelter to change' and lists 8 shelters. The columns are: ID, NAME, LOCATION, CAPACITY, AVAILABILITY, and IS. The shelters listed are:

ID	NAME	LOCATION	CAPACITY	AVAILABILITY	IS
8	Balai Bomba Port Dickson	Port Dickson, Negeri Sembilan	90	75	<input checked="" type="checkbox"/>
4	Balai Raya Seremban	Seremban, Negeri Sembilan	180	160	<input checked="" type="checkbox"/>
1	Dewan Orang Ramai Klang	Klang, Selangor	200	150	<input checked="" type="checkbox"/>
6	Dewan Serbaguna Bentong	Bentong, Pahang	120	100	<input checked="" type="checkbox"/>
3	Masjid Al-Hidayah	Kuala Terengganu, Terengganu	100	80	<input checked="" type="checkbox"/>
5	Pusat Komuniti Shah Alam	Shah Alam, Selangor	250	200	<input checked="" type="checkbox"/>
2	Sekolah Kebangsaan Kuantan	Kuantan, Pahang	150	120	<input checked="" type="checkbox"/>
7	Sekolah Menengah Dungun	Dungun, Terengganu	130	110	<input checked="" type="checkbox"/>

Below the table, it says '8 shelters'. The right sidebar has a 'FILTER' section with dropdowns for 'Show counts', 'By is active' (with 'All', 'Yes', 'No' options), and 'By location' (with 'All', 'Bentong, Pahang', 'Dungun, Terengganu', 'Klang, Selangor', 'Kuala Terengganu, Terengganu', 'Kuantan, Pahang', 'Port Dickson, Negeri Sembilan', 'Seremban, Negeri Sembilan', 'Shah Alam, Selangor' options).

The shelter management interface displays all registered shelters with comprehensive details including capacity, current occupancy, availability status, and location information. Administrators can filter by location, capacity ranges, and availability to efficiently manage disaster response resources.

The screenshot shows the Django administration interface for editing a shelter profile. The top navigation bar includes links for Home, Core, Shelters, and Dewan Serbaguna Bentong (100/120). The left sidebar has a search bar and sections for AUTHENTICATION AND AUTHORIZATION (Groups, + Add) and CORE (Aid requests, Disaster reports, Shelters, Task assignments, Users, Volunteer profiles, all with + Add buttons). The main content area is titled "Change shelter" and shows the details for "Dewan Serbaguna Bentong (100/120)". The form fields are: Name (Dewan Serbaguna Bentong), Location (Bentong, Pahang), Capacity (120), Availability (100), Is active (checked), and Contact info (+60123456789). Action buttons at the bottom include SAVE, Save and add another, Save and continue editing, and Delete.

The shelter editing form enables complete shelter profile management including name, address, contact information, capacity limits, current occupancy, and operational status. Location coordinates can be precisely configured for accurate mapping integration.

Task Assignment Management

The screenshot shows the Django administration interface for 'Task assignments'. The left sidebar has a 'CORE' section with links for 'Aid requests', 'Disaster reports', 'Shelters', 'Task assignments', 'Users', and 'Volunteer profiles'. The 'Task assignments' link is highlighted. The main content area is titled 'Select task assignment to change' and shows a single entry: 'MEDICAL - HIGH Priority - PENDING' assigned to 'volunteer_raj' under 'authority_'. The right sidebar contains a 'FILTER' section with dropdown menus for 'Status' (All, Assigned, In Progress, Completed, Cancelled), 'Assigned at' (Any date, Today, Past 7 days, This month, This year), and 'Updated at' (Any date, Today, Past 7 days, This month, This year). A 'Search' bar is also present.

The task assignment administration provides oversight of all volunteer assignments with filtering by task type, status, and assigned volunteer. This interface enables efficient coordination of disaster response activities and volunteer resource allocation.

Django administration

WELCOME, EPIREVE. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Core > Task assignments > Task: MEDICAL - HIGH Priority - PENDING -> volunteer_raj (by authority_terengganu)

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

CORE

Aid requests + Add

Disaster reports + Add

Shelters + Add

Task assignments + Add

Users + Add

Volunteer profiles + Add

Change task assignment

Task: MEDICAL - HIGH Priority - PENDING -> volunteer_raj (by authority_terengganu)

HISTORY

Authority: 19 authority_terengganu

Volunteer: 14 volunteer_raj

Aid request: 8 MEDICAL - HIGH Priority - PENDING

Status: Assigned

Notes: Go to Raj. He knows the area.

Assigned at: June 23, 2025, 6:31 a.m.

Updated at: June 23, 2025, 6:31 a.m.

Individual task assignment editing allows administrators to modify task details, reassign volunteers, update progress status, and add completion notes. The form supports workflow management with clear status indicators and assignment history tracking.

User Management

The screenshot shows the Django administration interface for user management. The left sidebar includes links for Home, Core, and Users, along with search and add buttons. The main area displays a list of users with columns for USERNAME, EMAIL ADDRESS, and ROLE. A filter sidebar on the right allows users to refine the list by role (Citizen, Volunteer, Authority), staff status (All, Yes, No), and superuser status (All, Yes, No). The list contains 20 users, each with a checkbox for selection.

USERNAME	EMAIL ADDRESS	ROLE
ahmad_shah	ahmad@example.com	Citizen
authority	vol@gmail.com	Volunteer
authority_pahang	auth.pahang@example.com	Authority
authority_selangor	auth.selangor@example.com	Authority
authority_terengganu	auth.terengganu@example.com	Authority
chen_mei_ling	chen@example.com	Citizen
david_wong	david@example.com	Citizen
epireve	i@firdaus.my	-
fatimah_ali	fatimah@example.com	Citizen
lee_wei_ming	lee@example.com	Citizen
nurul_huda	nurul@example.com	Citizen
priya_devi	priya@example.com	Citizen
rajesh_kumar	rajesh@example.com	Citizen
robert_tan	robert@example.com	Citizen
siti_aminah	siti@example.com	Citizen
volunteer_amir	amir.vol@example.com	Volunteer
volunteer_hassan	hassan.vol@example.com	Volunteer
volunteer_lisa	lisa.vol@example.com	Volunteer
volunteer_mary	mary.vol@example.com	Volunteer
volunteer_raj	raj.vol@example.com	Volunteer

The user management interface provides comprehensive oversight of all system users with advanced filtering by role, registration date, and activity status. Administrators can perform bulk actions, search by username or email, and manage user permissions and access levels.

The screenshot shows the Django administration interface for editing a user named 'david_wong'. The top navigation bar includes links for 'Home', 'Core', 'Users', and the current user 'david_wong'. On the right, there are links for 'WELCOME, EPIREVE. VIEW SITE / CHANGE PASSWORD / LOG OUT' and a user icon.

The left sidebar contains a search bar and a list of core modules: 'AUTHENTICATION AND AUTHORIZATION' (Groups), 'CORE' (Aid requests, Disaster reports, Shelters, Task assignments, Users, Volunteer profiles), and 'ADDITIONAL' (Incidents, Requests, Resources, Shelters).

The main content area is titled 'Change user' for 'david_wong'. It shows the user's details: 'Username: david_wong' (with a note about character restrictions), 'Password' (algorithm: pbkdf2_sha256 iterations: 1000000 salt: SrNAXR**** hash: 3dHdRN*****), and a 'Reset password' button. A note states that raw passwords are not stored.

The 'Personal info' section contains fields for 'First name: David', 'Last name: Wong', and 'Email address: david@example.com'.

The 'Role' section shows the user is assigned to the 'Citizen' role.

The 'Permissions' section includes checkboxes for 'Active' (checked), 'Staff status' (unchecked), and 'Superuser status' (unchecked). It also features a 'Groups' section with two panels: 'Available groups' (listing 'Citizen') and 'Chosen groups' (empty). A green '+' button is located at the top right of the groups section.

The primary user editing form manages core user information including personal details, authentication credentials, role assignments, and account status. The interface provides secure password management and role-based permission configuration.

The screenshot displays a user management interface with a dark theme. On the left, a sidebar lists categories like AUTHENTICATION AND AUTHORIZATION, CORE, and others, each with an 'Add' button. The 'Users' section is currently selected. The main area shows 'User permissions' with a list of available permissions and a 'Choose all user permissions' button. Below this is an 'Important dates' section with fields for 'Last login' (Date: 2025-06-23, Time: 05:15:21) and 'Date joined' (Date: 2025-06-23, Time: 05:15:21). At the bottom are buttons for 'SAVE', 'Save and add another', 'Save and continue editing', and 'Delete'.

AUTHENTICATION AND AUTHORIZATION

- Groups [+ Add](#)

CORE

- Aid requests [+ Add](#)
- Disaster reports [+ Add](#)
- Shelters [+ Add](#)
- Task assignments [+ Add](#)
- Users [+ Add](#)
- Volunteer profiles [+ Add](#)

Start typing to filter...

User permissions:

Available user permissions
Choose user permissions by selecting them and then select the "Choose" arrow button.

Choose all user permissions [Remove all user permissions](#)

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

Choose all groups [Remove all groups](#)

Specific permissions for this user. Hold down "Control", or "Command" on a Mac, to select more than one.

Important dates

Last login: Date: Today |
Time: Now |

Note: You are 8 hours ahead of server time.

Date joined: Date: Today |
Time: Now |

Note: You are 8 hours ahead of server time.

[SAVE](#) [Save and add another](#) [Save and continue editing](#) [Delete](#)

Extended user management includes advanced permissions, group memberships, and detailed activity tracking. This comprehensive view allows fine-grained control over user capabilities and system access rights.

Volunteer Profile Management

The screenshot shows the Django administration interface for managing volunteer profiles. The left sidebar has a search bar and lists categories under AUTHENTICATION AND AUTHORIZATION and CORE. Under CORE, it lists Aid requests, Disaster reports, Shelters, Task assignments, Users, and Volunteer profiles, with the latter being the active tab. The main content area is titled "Select volunteer profile to change" and shows a table with 5 rows of volunteer profiles. The columns are ID, USER, AVAILABILITY, and VERIFICATION STATUS. The profiles are: volunteer_amir (On Call), volunteer_hassan (On Call), volunteer_lisa (On Call), volunteer_mary (On Call), and volunteer_raj (On Call). The right sidebar contains a "FILTER" section with dropdown menus for Show counts, By availability, By verification status, By is active, and By verification date.

Action:	-----	Go	0 of 5 selected	
<input type="checkbox"/>	ID	USER	AVAILABILITY	VERIFICATION STATUS
<input type="checkbox"/>	1	volunteer_amir	On Call	✖
<input type="checkbox"/>	5	volunteer_hassan	On Call	✖
<input type="checkbox"/>	2	volunteer_lisa	On Call	✖
<input type="checkbox"/>	4	volunteer_mary	On Call	✖
<input type="checkbox"/>	3	volunteer_raj	On Call	✖

5 volunteer profiles

The volunteer profiles administration displays all registered volunteers with their skills, availability status, and assignment history. Administrators can filter by skill sets, location, and availability to efficiently match volunteers with appropriate disaster response tasks.

The screenshot shows the Django administration interface for a 'Volunteer profiles' entry named 'volunteer_hassan - Unverified'. The left sidebar has a search bar and links for 'Groups', 'Aid requests', 'Disaster reports', 'Shelters', 'Task assignments', 'Users', and 'Volunteer profiles'. The main content area has tabs for 'Change volunteer profile' and 'HISTORY'. It shows the user '16' and a checked 'Is active' checkbox. A notes section is present. Below, there's a 'Skills & Availability' tab with fields for 'Skills' (empty list), 'Availability' (set to 'On Call'), and 'Preferred locations' (empty list). A 'Contact Information' tab includes fields for 'Contact number' and 'Emergency contact'. A 'List of volunteer's skills' and a 'List of preferred areas for volunteering' are also shown.

Individual volunteer profile editing enables comprehensive management of volunteer information including skill inventories, contact details, availability preferences, and performance tracking. The interface supports skill-based matching and volunteer capacity planning for optimal disaster response coordination.