

## History:

- V.1: Added base template.
  - V.1.1: Re-drew with more detail compared to original drawing.
- V.2: Added Citizen view.
  - V2.1: Added disaster reports to both base (logged out view, but only accessible when logged in).
  - V2.2: Added report disaster form to allow citizens to report disasters (this will be visible for everyone).
  - V2.3: Added request aid.
    - V2.3.1: Changed request aid model to reference a reported disaster for reference for the volunteer, and avoiding exploitation of the platform.
  - V2.4: Added view for citizens to see and manage their requests.
  - v2.5: Added filtering for disaster reports and my requests tables.
- V.3: Added Volunteer view.
  - V.3.1: Separated volunteer info into its own model and added volunteer to be a foreign key. This allows volunteer info to be an updatable form in volunteer dashboard.
    - V.3.2: Created skill model and limited the possible skills to limited, relevant, verified skills defined by authority.
  - V.3.2: Added my tasks page to allow volunteers to see their assigned tasks.
    - V.3.2.1: Added “Completed” action for volunteers to mark something as done.
    - V.3.2.2: Added “Confirm Completion” to my requests for citizens to confirm a task is completed in real-time.
- V.4: Added Authority view.
  - V.4.1: Added assign volunteers form.
  - V.4.2: Added assign shelter.
    - V.4.2.1: Disabled assigning volunteers to citizen requests of type shelter.
  - V.4.3: Mitigated code addition by setting customized permission via Django Group class.





Hotline: 999

- Home
- Login
- Register

Welcome!

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Login form

username

password

login

Register form

username

password

phone number

role

☐ citizen ☐ volunteer

register



# Citizen

## **Dashboard:**

Citizens can see reported disasters in “Disaster Reports” page and shelters in “Shelter” page. Additionally, citizens can report disasters in “Report Disaster” page form and request aid for a disaster they reported via “Request Aid” page form.

## **Forms:**

- Report Disaster
- Request Aid

## **Filtering/Searching:**

We can filter entries in the reports table by type, location (gps coordinates), severity, and date of report. Additionally, we can filter request entries by status.



Logo

\*Citizen view

Hotline: 999

Home

Disaster Reports

Shelters

Report Disaster

Request Aid

My Requests

Logout

Welcome!

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Disaster Reports  
filter

Type
Severity
Location
Date

Report Disaster form

Submit

Type {flood, landslide, haze}
Gps coordinates
Severity 1 to 5
Description

Request Aid form

Disaster ID
Aid type {food, rescue, shelter}
Details

Shelters

Name	Location	availability	capacity

ID	Type	Location	Severity	Reporter	Date
1	flood	1,2	2	John	...
2	landslide	3,4	3	Joe	...
3	haze	5,6	1	Jim	...
4	flood	7,8	5	Jack	...

My Requests

filter

status

Disaster	Gps coords	Type	Details	Status	Volunteer/shelter	Action
1	1,2	food	...	Pending		
2	3,4	food	...	In Progress	Jane (nurse)	confirm complete
2	3,4	rescue	...	completed	Jane (nurse)	✓
4	7,8	shelter	...	completed	Saint John shelter	leave shelter
3	5,6	shelter	...	pending		

Citizen  
must  
confirm  
completion



# Volunteer

## **Dashboard:**

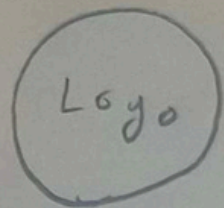
Volunteers can see reported disasters in “Disaster Reports” page and shelters in “Shelter” page. Volunteers can manage their assigned requests in “My Tasks” page where they can mark a task as Completed, and must await completion confirmation by citizen who requested the aid to finalize.

Volunteers may or may not be available and may have updated skills. These fields are updated via “My Info” page form, and this is reflected in authority view where unavailable volunteers are simply not shown.

## **Forms:**

- My Info





# \* Volunteer view

Hotline: 999

Home | Disaster Reports | Shelter | my info | My Tasks | Logout |

welcome!

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my info form

☐ it ☐ nurse ☐ driver ☐ translator

Available? ☐ yes ☐ no

save

My tasks

written by authority

Disaster type	Location	Aid type	Description	Status	Date assigned	Action
Flood	1,2	food	Give food	completed ✓ waiting for citizen confir- mation	--	Already done

can set to done



# Authority

## **Dashboard:**

Authority users have two ways they can see the website, either normally like other users with their dashboard that allows management of users, task assignment, etc., or via admin login which allows for a more intensive management. However, authority are not admins, and thus do not possess all permissions.

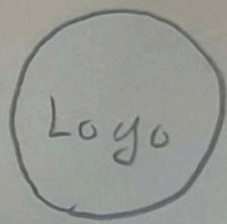
Authority are the only user type who can make other user accounts, and that's how they make other authority user accounts.

Authority assign tasks to volunteers via “Assign Volunteers” for food and rescue requests, and shelter for citizens who requested shelter via “Assign to Shelter”. They also can make new shelters depending on need in “Shelters” page.

## **Form:**

- Shelter
- Assign Volunteers
- Assign to Shelter





## \* Authority view

Home | Disaster Reports | shelters | Assign Volunteers | Assign to shelter | Logout

welcome!

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### Assign Volunteer form

select available volunteer dropdown with volunteers

that are available

select aid request

dropdown with pending requests with food and rescue types

Description

Submit

### Assign to shelter form

Select shelter request

only shelter requests

Select shelter

if assigned, capacity will --1.

### Add/edit/delete shelter

name:

Location:

Capacity:

Add

name	Location	capacity	availability	Actions
Saint John	KL	10	8	edit/delete