

Cover Page

Document Title: user_documentation.pdf

Document Purpose: Provides a user friendly guide on what the website is, how to get started with using the website, what roles are present in the website, the core features and an in-depth explanation on how to use them from a user side of things, troubleshooting tips on the current version of the website and lastly a contact email if anything is wrong or is missing.

Project Title: Crowdsourced Disaster Relief Platform

Group Number: 2

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Introduction:

Purpose: The purpose of our platform is to give users a chance to help out the community and to get help themselves. Our website offers a few key features like seeing the current resources in your area, making a request on any kind of situation like medical, shelter or food supplies. It also has a donation system where users can donate either money or resources that would help out many people in need. There is also an emergency alerts page where users can see what is happening and when they are happening so they stay alert and safe. Our backend system is designed to streamline disaster relief by matching victims' aid requests with volunteers using an AI-powered matching algorithm. This allows for the most efficient and one of the fastest ways we can offer to help users get what they need to stay safe during natural disasters or any kind of disaster.

Getting Started:

To get started, users do not need to have an account. Our platform is designed to help anyone who needs it. Not having an account helps that. If users want to make an account they are free to do so. Our platform is on a website so it is accessible on pretty much any device. When users first go to our website, they will be on the home page. This page says our platform name and shows 5 buttons where users can click depending on their needs. There is a resource inventory page, a requesting page, a donations page, an emergency alerts page and then a sign up/ sign in page. Our website is quick, simple and efficient so that users can get the help they need in a timely manner.

User Roles:

Users can have multiple roles on the website. A requester could also be a donor and vice versa. Our platform allows easy use as people's situations and lives can switch in an instant. The world is forever changing and in a split second your life can go from good to bad. So staying prepared with all our resources is the best path we could've taken.

- Requester: Can request assistance anytime and anywhere. Any type of assistance is offered to everyone.
- Donor: Can donate money or resources to help the cause. The money would be used to either buy more resources, help fund the website or fund local medical units or help people in need
- Volunteers: Are people who signed in and have stated they would volunteer to help during crises or natural disasters. They either take on the role of helping people, helping situations or funding things while having a more hands on approach than a donor.

Core Features and How to Use Them:

- Homescreen: Easy to visualize and use. Can see the platform name, the resource inventory, user request, donations, emergency alerts and sign up/ sign in buttons for easy and quick navigation.
- Resource Inventory: Users can see the current resource list and where the resource is located at. Users can see how much of the resource is available as well.
- User Requesting: Users can submit a request that will be processed and streamlined. This is the key core aspect of our project that uses AI to fast track help to people in need. The user can fill out the form that asks for their name, type of assistance and the description of their emergency. Then they will be prompted to click on the geolocation button to pinpoint their exact location. Then they can submit and their request will be posted to the website and to the backend for streamlining. Users can also see other peoples requests and help if they are able to or if they are nearby.
- Donations: Users can navigate to the donations page where they will be prompted to fill out a form. This form includes their name, type of donation and then an amount or description of what they are donating. Users can also see others that have donated and what they have donated. The user's donation will also show up on the

website after hitting the donate button. This donation is then sent to the database where the resource inventory is stored and updated.

- **Emergency Alerts:** This feature shows the user what kind of recent alerts have been prompted. Each alert contains what emergency it is, a description of the emergency, and the date of the emergency. After deliverable 2, it will be updated to showcase if this was a past emergency alert or an ongoing alert and to be cautious.
- **User Sign Up/ Sign in:** Users can have the option to sign up or sign into their accounts. This is optional and is not required for usage of the website. After deliverable 2, this feature will update for volunteers as they will need to sign in to be loaded into the database for streamlining help when users request help.

FAQ/Troubleshooting:

There shouldn't be any problems besides the bugs listed in technical_documentation as we are only on stage 1 out of 2 stages. To help with any potential issues, try reloading the webpage or restarting your browser. Additionally you can restart the IDE. After deliverable 2, this should not require an IDE and be a full fledged website. For the sake of this document, since it uses an IDE for this submission, you can try ensuring you have the correct extensions installed like flutter, running flutter pub get in terminal, running command + S on pubspec.yaml to get the same result, and then running the code from main.dart file inside 1_code/lib/main.dart

Contact/Support Info:

Contact our support email at cxn220034@utdallas.edu