

## **Cover Page**

**Document Title:** future\_plan.pdf

**Document Purpose:** Identifies what the group will do next for the next and final deliverable. The plan is to implement the rest of the features that mainly include front and backend integration along with making the UI better than what we have as it is just simple as of this writing.

After all this is done we will do vigorous testing to ensure the website is fully operational and functional before we publish the website. Lastly is a timeline and milestone table that highlights what we as a group will do in the next 3 weeks before submission and presentation.

**Project Title:** Crowdsourced Disaster Relief Platform

**Group Number:** 2

**Group Members:** Casey Nguyen, Kevin Pulikkottil, Andy Jih, Sawyer Anderson

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## **Planned Features:**

- Complete Frontend and Backend Integration for database storage
- Continuously updating rotating inventory screen where whenever a user donates, it will update the resource inventory with that amount and display in on the resource inventory screen
- Emergency alerts will then be labeled as "Done", "In-Progress", "Watch" to indicate statuses of emergencies if they are already done/dealt with, still being dealt with or like a watch as in a hurricane or tornado that can pick up speed and be more devastating
- Complete use of the Sign Up / Sign In User Authentication feature. Right now it is there and is a placeholder but when we integrate the backend and database with it, it should allow the user to sign up and sign in as well as sign out.

## **Technical Improvements:**

- UI will drastically change as the website and layout will be more modern and aesthetically pleasing. Right now it is basic as we just wanted to get the front and back ends done. It will be up to date and not bland as it is right now.
- Performance will also be better when we make it a full fledged website instead of in the debug state as right now we need an IDE and all to run. Once it is a real website the performance will be better.

## **Integration:**

- Complete integration of the frontend and backend which consist of multiple APIs. This will allow the website to process and store user data like requests and donations. This will also allow the sign up / sign in feature to work properly and securely. With integration our website is completely done and ready to present. Also with UI improvements. The backend and frontend is already made, just need to add calls where needed and integrate, which will be done for deliverable 2.

## **Testing Plans:**

- More complete testing and data collection. We have done this in this deliverable 1, but before we make it a full fledged website, we want to test our website thoroughly. This includes collecting and storing user data to analyze the database. This also includes testing the changing resource inventory whenever someone donates a new set of resources, testing how the donations store into the resource inventory, testing if the emergency alert is correctly displaying if it is ongoing, done or in progress, testing if the user request is correctly being stored with backend integration, testing the AI Matching function even further than we did in deliverable 1 and lastly testing the user authentication system to make sure we store and retrieve users data correctly with the next level integration we will implement in deliverable 2.

## Timeline and Milestones:

Week	Task	Frontend	Backend
April 14 - April 20	<ul style="list-style-type: none"> <li>• Improve UI of all Screens</li> <li>• Integrate the front and back ends completely</li> <li>• Integrate the User Authentication system for the Sign Up/ Sign In screen</li> </ul>	<ul style="list-style-type: none"> <li>• Casey, Andy and Sawyer all work on the UI of the Screens</li> <li>• Sawyer integrates his backend stuff for his UI of the user authentication system</li> </ul>	<ul style="list-style-type: none"> <li>• Kevin integrates the rest of backend for the rest of the UI</li> <li>• Casey / Kevin updates resource inventory when user donates</li> <li>• Kevin improve AI Matching</li> </ul>
April 21 - April 27	<ul style="list-style-type: none"> <li>• Complete Testing of the Website</li> <li>• Ensure UI is appealing and modern</li> </ul>	<ul style="list-style-type: none"> <li>• Casey, Andy and Sawyer continue to work on the UI of the Website</li> </ul>	<ul style="list-style-type: none"> <li>• Kevin works on creating data collections and function tests to ensure the website runs smooth and is ready.</li> </ul>
April 28 - May 4	<ul style="list-style-type: none"> <li>• Finalize final features and touches</li> <li>• Create a presentation to present to class about our website and what it is about. Also how it works</li> <li>• Create and finalize all required documents for deliverable 2</li> </ul>	<ul style="list-style-type: none"> <li>• Casey, Andy and Sawyer finalize the UI and how the website runs and looks</li> <li>• Everyone works on the presentation and required documents</li> </ul>	<ul style="list-style-type: none"> <li>• Kevin and Sawyer ensure the backend works for all screens and functions. Ensures data is being stored and retrieved safely</li> </ul>
May 4	<ul style="list-style-type: none"> <li>• Submit Deliverable 2</li> </ul>	<ul style="list-style-type: none"> <li>• Functional</li> </ul>	<ul style="list-style-type: none"> <li>• Functional</li> </ul>