Project 4 – Documentation – Prabhjot Singh

1. Introduction

Whenever there is some form of natural disaster, there is no standardized way to view all the resources immediately. Different websites serve different purposes, and this can slow down one's reactions. I would like to create a mobile app interface that allows someone to be disaster ready quickly.

Having all the information quickly can make a small difference but every second counts when in a crisis scenario. This app can inform users of a common strategy. State-run agencies need to communicate with a large public fast and everyone has a phone
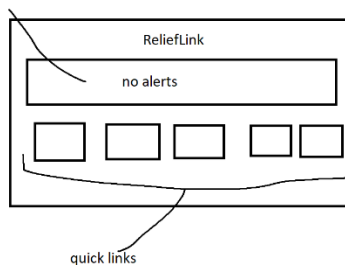
My objective is to create an easy-to-use user interface. This app should be loaded quickly and be usable by all sorts of users. I would also like this work on every screen. Everyone can use an app of this nature as it follows a simple design strategy.
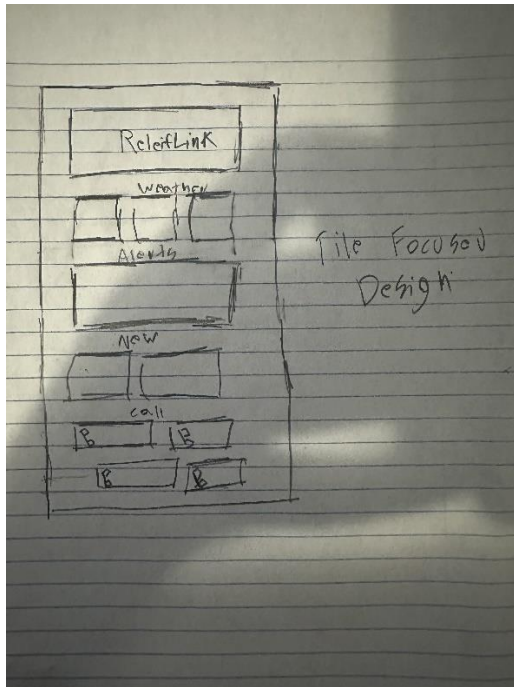
2. Concept and Design Ideation

I am thinking of some sort of dashboard. Something that has a bunch of information separated by headings. This will allow the user to quickly access everything. Although this will be a phone app, I could see this being used kiosks in shelters as well. The dashboard will allow users to see all sorts of state content in one place. There are so many agencies that send out alerts during crisis, but it is too hard to stay informed with all of them.

Sketches and Wireframes

3. Prototype Development

For this I will just be using Vite Svelte, I want to focus just on the design aspect of things. I also used some AI, mostly to do more busy work like creating a list of states in a particular format. Sweet alerts were used for the alerts, and I used weather.gov API to get crisis alerts.

4. Future Work

This app, in my opinion, has some potential. I could Imagine having support for different countries and features allowing different agencies to send alerts. This could improve state response. We could even collect user status using their phone numbers and name. This way we can keep a database of people and see if they are safe or not.