

Crisis Worm

General Overview & Functions

Our main goal is to implement a dashboard for any on-going health crisis in which we display various factors in graphs, display merchandise to create awareness, and search the latest news on health. It is a single page application that runs multiple web servers and processes. This page will have private and public content. The dashboard can be viewed by the public. The logged-in users can donate to the crisis' relief funds, buy merchandise, and contact an admin about the data displayed. The administrator will be able to Create, Read, Update and Delete entries and manage the database. The data will be gathered from various sources on the net, as well as having the ability for users to input data manually that will be stored in the database and integrated with the outside data streams into our UI.

Group Members of Code Ninja

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Course Technologies

- **React JS**
It will be used as our web application framework for better rendering. Our component library to manage different parts of the UI.
- **Redis**
Redis can be used to cache data for improvised user experience.
- **Redux**
For better state management with React.
- **Firebase**
It is a real-time NoSQL, cloud-hosted database that stores data in JSON format. It helps users to login using email/password or third-party authentication.
- **SASS**
To style the UI pages.

Independent Technologies

- **React-Google Charts**

It is an npm package that helps in the pictorial representation of the data.

- **Apache Solr**

It is an open-source enterprise search platform used for full-text search.

- **Google Maps API**

For finding the current location.

GitHub Repository

https://github.com/vaishnavimecit/CS554Project_Codeninja

Future Enhancements

- **Chatbot**

To provide users with requested data using a live chat.

- **Interactive user interface**

Users can enter health-related data from their city and it can be validated and displayed.

- **Advanced search**

To search for the exact word, language, domain, etc.