

Team 18 - Wayside Orange Gents.

Application URL

<https://sdgv.netlify.com/>

A primary constraint of the Application is it requires the Chrome browser to be used to access it, as well as only working on an Android phone.

General Architecture

The web application is built upon React, which is the primary framework used to construct the prototype. App.js is considered the entry point of the application where the theme is handled, the CSV is parsed using Papa Parse, and the main Main component is rendered.

The Main component is located in Main.jsx. Additional components for the app include:

- React Simple Maps - Display the coloured world map.
- HammerJs - Handle user gestures.
- React Speech Recognition - Handle speech input.
- ChartJs - Display charts and show selector wheel.

Running the Web Application/Prototype

1. Ensure that Node.js and Yarn are installed, if these are not installed please install these by visiting the following links:
 - a. Node.js: <https://nodejs.org/>
 - b. Yarn: <https://yarnpkg.com/en/docs/install>
2. Download and extract the project ZIP file to a target directory.
3. Execute the following commands within the directory of the extracted the ZIP file to build and run the web application:
 - a. yarn
 - b. yarn start
4. Once the development server has started, access the web application at localhost:3000.

Note: Alternatively, the web application can be accessed at <https://sdgv.netlify.com>