Frontend Developer at Aruba coding challenge

Outline

We want to host an event and invite all of our customers who are located within a certain distance from the venue to attend. In order to do this, we would like you to create a website that displays a list of people on a map and can filter these people by their distance relative to an arbitrary pair of GPS coordinates.

Language

Any language you are comfortable with, however, bonus if it's in React or implemented as a SPA.

Tasks

- Set up a local site accessible via the browser.
- Given a list of people supplied in the JSON file, display them in a list.
- Allow the user to remove people from the list.
- Make the list of people persistent between page loads.
- Add a map to the site that shows a marker at each person's location.

Bonus

- Allow the user to filter the list of people by distance.
  - The user should be able to input a max distance.
  - When the user clicks on the map, a circle is drawn with the max distance as the radius.
  - The list of users should then be filtered by only those that fall within the circle.
- Make the styling on the page be responsive so that the site is usable on screens of different sizes and on mobile browsers