

Welcome to your code challenge! You are required to build a single-page application using Vue.js that allows a user to enter a name, description and coordinates of a location and have it visually displayed onto a map.

Coordinates are composed of latitude and longitude. Positive degree values represent north latitudes and east longitudes. Negative degree values represent south latitudes and west longitudes. For example, the coordinates for Perth, Australia are as below:

Latitude: -31.95

Longitude: 115.86

Your app should include a form that takes in the following inputs:

- Location Name
- Description
- Latitude (up to 2 decimal points)
- Longitude (up to 2 decimal points)

It should have a submit button that is disabled until all inputs are filled in.

Your app should also include a Leaflet map component. When a user submits their form, the location that they have entered will plot onto the map. The user should be able to see the location pin without having to pan around the map to search for it. Clicking on the location pin displays the location name and description that they have entered.

The form and map should be written as two separate components. There are no restrictions on how the page should be laid out and styled. Be as creative as you wish, with a focus on user experience. Feel free to include CSS frameworks or other libraries that are helpful to you.

You may submit your solution by sending through your project as a ZIP file or as a link to your GitHub Repo or online code editor such as CodePen or Codesandbox.

Good luck and have fun!

Bonus challenge:

You are not required to include this feature in your solution, but if you are up for a challenge, integrate your map with the leaflet-search plugin (<https://github.com/sjaakp/leaflet-search>) to add a search feature to your map, allowing users to search for existing geographic locations by name.

You can view the demo here:

<https://sjaakpriester.nl/software/leaflet-search>