1. Display whole country on load

Use the below code:

myMap.fitBounds(geojsonLayer.getBounds()

1. Use Leaflet map.fitBounds() to fit border of selected country to screen – same approach as the above
2. Requires better presentation of data – weather particularly

Should look like this:

Graphical user interface

Description automatically generated with medium confidence

1. Format all dates and numbers

Manipulate the resilt of the API in the JS file and send it to the displayInfo as a second parameter

First convert the result of the API into date using ‘new date’ then use moment.js (https://momentjs.com/)

Could use a library like moment.js or use code like the below within the JS file:

result.Sunrise = new Date(result.Sunrise).getDate()

result.Sunset = new Date(result.Sunset).getDate()

displayInfo('#timeZone', result);

1. All links should be presented as such and open in new tabs

With code like:

result = answer[x];

displayInfo('#wiki', `<a href='${answer[x]["Wiki Link"]}'>${answer[x].Title}</a>`);

Make sure to use a target = "\_blank" for new tab

It would be a good idea to make displayInfo a global function within the js file

1. Markers evenly distributed across the country with informative popups – expected to find some landmarks and create markers on each country. Group them together and call them when the user clicks on the map of the selected country

Some selected APIs:

<https://restcountries.com/#api-endpoints-v3-code>

* Factal
* Triposo
* Trip Advisor

Come useful documentation:

* <https://github.com/coryasilva/Leaflet.ExtraMarkers>
* <https://github.com/lennardv2/Leaflet.awesome-markers>
* <https://github.com/Leaflet/Leaflet.markercluster>
* One of my favorites because it relies on country code and has a lot of the information we are after: <https://restcountries.com/v3.1/alpha?codes=be>
* the postlan and postlat only shows the info of where the user is rather than where the user clicked so the api calls aren’t accurate – use the api calls above to use the country code as a variable rather than the postlat and postlan

Additional comments:

Might be worth making the following lines a global function within the js file to neaten up the code:

$.post('./PHP/timeZone.php', { postlat: lat, postlng: lng },

                    function (data) {

                        result = JSON.parse("[" + data + "]");

                        result = (result[0]['data']);