Mono Solutions - Frontend Developer code test 2019

The following test is made to take around 2 - 4 hours, it's primary focus is to fetch data from an API as JSON and visualize the data on the page.

This test is meant to evaluate your skills for a position as a frontend developer in Mono Solutions.

Requirements:

- Should use the minimum amount of properties from the API results that you need
- Even though this is a self-contained test, it is desired that you structure your solution as if it was part of a much larger solution.
- The solution needs to be provided as a Github repository, with full instructions of the steps needed for it to run.

Things we will evaluate in the code test:

- Choice of Technology Stack
- Componentization and Solution Structure
- Code Design Principles
- Use of Language Features
- Readability of the Code
- Comments and Documentation
- Testing of the implementation

User Story

As a user I would like to be able to search for countries based on different criteria. The search result should show all the countries that match the search that has been done.

The criteria the user should be able to search by should be:
- Country name
- Capital city
- Language spoken
- Currency

These criteria should be selectable in a dropdown or in another interface of your choice.

The search results should show these details from the countries in an organized way:

- Name
- Capital
- Population
- Currency
- Languages spoken
- An image of the flag
- A link to the google maps for the country

The search results should be sortable by Name (ascending / descending).

The solution should have **a pleasant design** and be **fully responsive**.

Other nice to have features, but not mandatory:

- Caching of search results
- Using browser storage for persistence of search even after a refresh
- Keep a search history, that can be re-used

API

For the API the free REST Countries API (https://restcountries.eu/) can be used. Other API's can also be used if needed / preferred.