

Fullstack Test

Purpose

The purpose of this test is to assess your knowledge of JavaScript and PHP, your ability to read and follow project specifications, and your understanding of best practices. This is an opportunity to show off your knowledge of JavaScript, PHP, and your skill as a developer. We hope you enjoy the challenge.

Goal

As a user, I want to search for countries by name, full name, or code and view them as a list of elements on an HTML page so that I can find the country data I am looking for.

Acceptance Criteria

Use the Rest Countries api as your data source (<https://restcountries.eu/>).

An HTML form input will accept the string name of a country.

An error message will be emitted if users submit the form without input or if the search yields no results.

The form data must be submitted via JS to retrieve and display the country or countries returned by the server. The page should not reload.

The search results should be displayed on an HTML page, and be sorted alphabetically by the country's name and population. Limit the api results to 50. Filtering, sorting, and limiting should be done in PHP and the Rest Countries service.

For each country displayed include: the full name, alpha code 2, alpha code 3, flag image (scaled to fit display), region, subregion, population, and a list of its languages.

At the bottom of the page show the total number of countries and list all regions and subregions contained in the results with the number of times it appeared.

Using PHP create an API endpoint that will request data from Rest Countries. The PHP endpoint you build should return JSON and include all the data necessary to render the view as described.

You may use any PHP library you want to create the PHP endpoint except for any Rest Country PHP SDKs. Your code must work using PHP's built in HTTP server (`php -S`) and you must

provide with your code instructions for starting the server. Your PHP code should work on PHP 7.0. or higher.

You may use vanilla JS, or jQuery. Your code does not need to work in older browsers but should work in the latest stable version of Chrome.

Submission

Please submit your finished project in the form of a publicly-accessible Git repository (e.g. Github or Bitbucket). This should include an index.html where we can view the final results.

Optionals

Search by country name, code2, and code3 with a single text input.
Use React js for your javascript.