Fullstack Test

Purpose

The purpose of this test is to assess your knowledge of JavaScript, 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 musical artists and display them as a list of visible elements on an HTML page so that I can find the artist(s) I am looking for.

Acceptance Criteria

An HTML form input will accept the string name of an artist.

An error message will be emitted if user's 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 list of artists 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 artist's name.

The displayed results should at least include: the artist's name, image, and a link to their spotify page.

Using PHP create an API endpoint that will request data from the Spotify artist search (https://developer.spotify.com/web-api/endpoint-reference/). The PHP endpoint you build should return JSON and include all the data necessary to render the view as described here.

You may use any PHP library you want to create the PHP endpoint except for any Spotify PHP SDK. 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.

You may use any JS libraries or frameworks, and your code does not need to work in older browsers.

Submission

Please submit all relevant files as a .zip archive. This should include an index.html where we can view the final results.