Pilot Project 11.03.2020

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Microservice Requirements:

Create a module in a simple website in html that allows

1. Request an URL in a text field
2. Show results of following metrics using open source libraries.

Description:

The application is using api.builtwith.com to obtain web server, content management system and widgets installed and ip-api.com for server location metrics.

Microservices are written in PHP language in order to make request to reference tools and avoid CORS policy.

The script handles situation when data is unavailable and sends this information to the site.

Two libraries are used to obtain web server location and CMS. First is PEAR PHP library which was installed on the server by PHP PEAR Packages - Net\_GeoIP. The second one was installed manually from github.

The frontend consist of main HTML site which refers to CSS style document and JavaScript file.

The first one is a structure of an app. For this simple application it was unnecessary to use any grid library. In style sheet was used selector to make an animation on the button. The last one handles events and makes request to PHP servers.

Function ‘jsons\_edit’ work on data which was received to extract right parameter and deal with uppercase, lowercase letter, colons and spaces between words – just stylistic work.

Next one ‘get\_results’ read the address written in the input and make requests by jquery library to our services. Then, function focuses on displaying the results on the website.

To sum up, this is very simple application, but is necessary to do backend work to deal with data. I tried to apply straightforward solutions, but on the other site is not complex and could be done more modular and safe. As for that moment I want to work more on this kind of project and learn how to do them, write a code in proper way.