



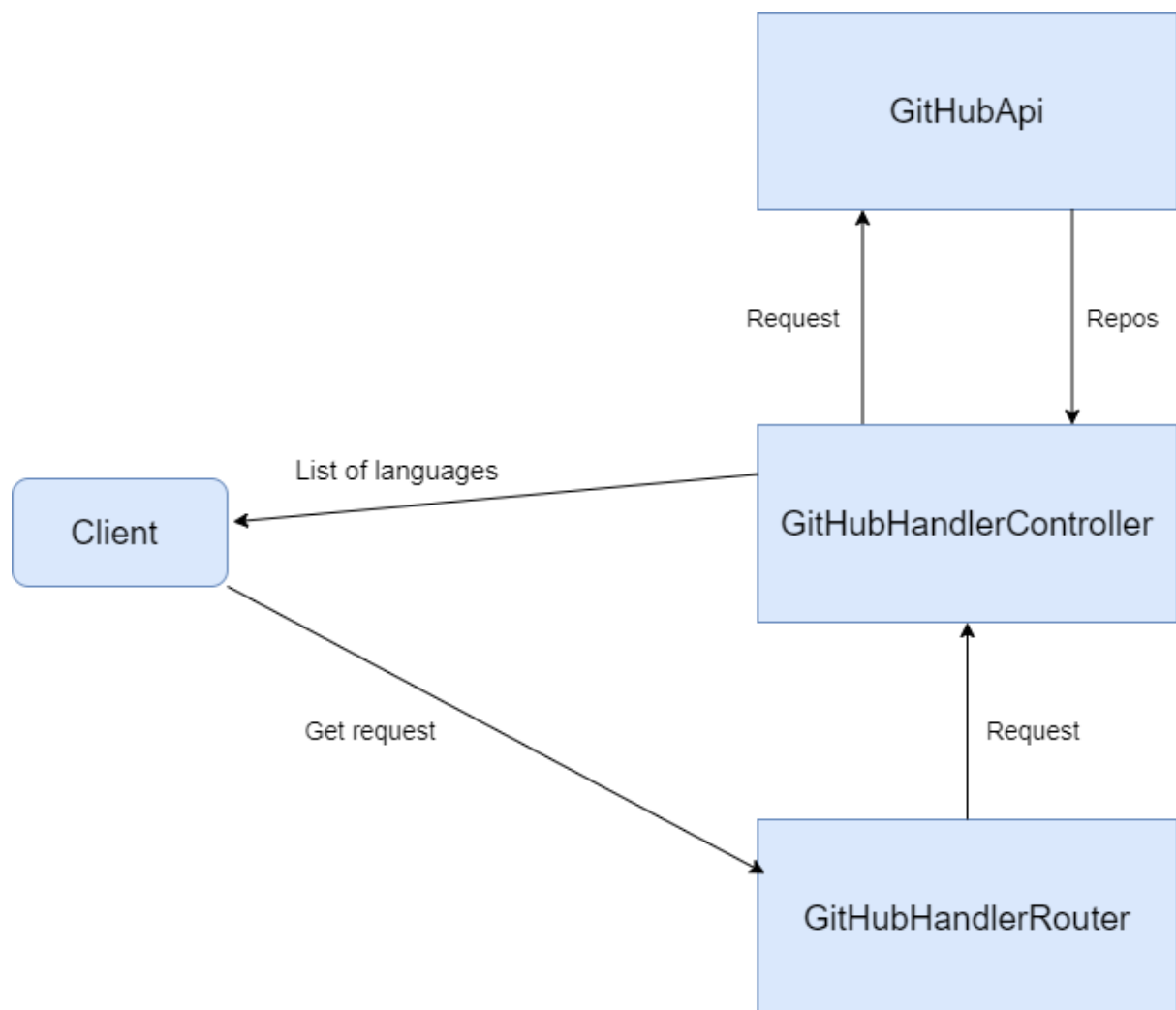
Back-End Coding Challenge Documentation

Trending Repos on GitHub

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1.Architecture



2.How to run

- Clone this GitHub Repository.
- Make Sure Docker is Installed on your System.
- Type “docker-compose up” in the project Directory in the terminal.

3.How to connect with the microservice

To Interact with service a GET request must be sent to /trendingrepos.

GET	▼	localhost:3000/trendingrepos
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If the request is successful, a list containing the trending languages with the repositories they are using them and their count will be returned.

4.Future work

JavaScript does not have hash map implemented so the normal Map is used to hold the data, however there is an option to implement the Hash map manually which will reduce the time complexity from $O(\log n)$ to $O(1)$.