Backend Coding Challenge

Introduction

Hi there and thank you for your interest in working with us.
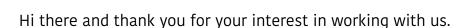
We would like to know more about the way you work, so we think that starting with a small coding challenge is a great way to get an idea of your style.

Since we really value your time, we don't think that you should spend more than 4 hours on that task. Implementing software is always about trade-offs, so we are mostly interested to see how you design the balance between clarity and getting-things-done™.

Afterwards, we will have follow-up call so you can guide us through your implementation, but also to discuss about your design decisions.

The idea of this project is to implement a backend application for discovering popular repositories on GitHub.

Service Specification

The service should be able to provide:

- A list of the most popular repositories, sorted by number of stars.

- An option to be able to view the top 10, 50, 100 repositories should be available.

- Given a date, the most popular repositories created from this date onwards should be returned.

- A filter for the programming language would be a great addition to have.

Implementation Details

GitHub provides a public search endpoint which you can use for fetching the most popular repositories:

```
https://api.github.com/search/repositories?q=created:>2019-01-10&sort=stars&order=desc
```

But feel free to use any other endpoints, if you wish.

We will really value: concise and clean code, scalability and performance and testing.

Have fun!