

Backend Engineer Assignment

Backend Engineer - Home Assignment

Firefly is a DevOps Asset Management solution that closes the gap between Infrastructure-as-Code (IaC) and cloud actual-footprint. As part of being a Backend Engineer in Firefly, you will face high scale tasks that should be handled efficiently, in addition to many data aggregations coming from multiple sources.

General Guidelines

In this exercise, you are tested for your backend programming skills.

- You can write the project in any language you wish.
Implementing with Golang - an advantage.
- The project should be self-explained, well structured, and written by the selected language code standards.
- You can use any 3rd party package you wish.
- The code should be hosted in a VCS of your choice (Github, etc).
- We should not have to guess how to run the application.
- We are expecting to get the application with additional engineering release standards

Exercise Description

In this assignment, you have to fetch [this list of essays](#) and count the top 10 words **from all the essays combined**.

A valid word will:

1. Contain at least 3 characters.
2. Contain only alphabetic characters.
3. Be part of our [bank of words](#) (**not all the words in the bank are valid according to the previous rules**)

The output should be pretty JSON printed to the stdout.

Key factors

- Concurrency
- Efficiency
- Rate Limiting
- Comprehensibility

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Good luck!