Application Challenge

Full-Stack Dev - Asimov Consultores

As we stated in our job ad, we are an awesome consulting firm, full of motivated, talented and good people, trying to make a better world for our customers, the customers of our customers and citizens. So in this quest, we need the best and the bravest. Are you "the one"?

You must complete a challenge, consisting in a two part technical exercise. You will have a maximum of 7 days to answer. ¿Why in english? , because english is a prerrequisite for working here, all the new things, are in english

Technical exercise: Dancing with Death

Part 1: You will have to create a REST API for scheduling appointments to have a dance with Death. The API has to be implemented as a CRUD that keeps appointments, which will be used in part 2 by a web client.

- The system should not allow to book more than 1 appointment per hour.
- The schedule must be set for office hours (9 am to 6 pm Monday to Friday) all year long
- Death is very picky with its agenda, so every appointment must contain date, start time and contact information (like e-mail).
- You can only appointment of 1 hour long with Death, more would be pointless. Less would be too traumatic.

Part 2: Create a web client for the API you just created.

- The first layout will display a date selector showcasing the current month.
- If you click on any date, the available hour spaces will be displayed on screen to be selected.

Considerations:

A link must be delivered to the repository with the source code, and a url with access to the client for testing (no stress tests or anything will be doing that could compromise the server).

The applicant is free to use any technology that prefers, both in the API as in the client. In any case keep in mind that internally in the organization we use mainly Laravel and VueJS.