

# abbywinters.com BV full-stack recruitment test

05 Apr 2021

The purpose of this coding challenge is to test a candidate's ability to write concise, correct, elegant, robust, and efficient code carrying the duties of a Full Stack Developer. Also to familiarise the tools and libraries we will be using.

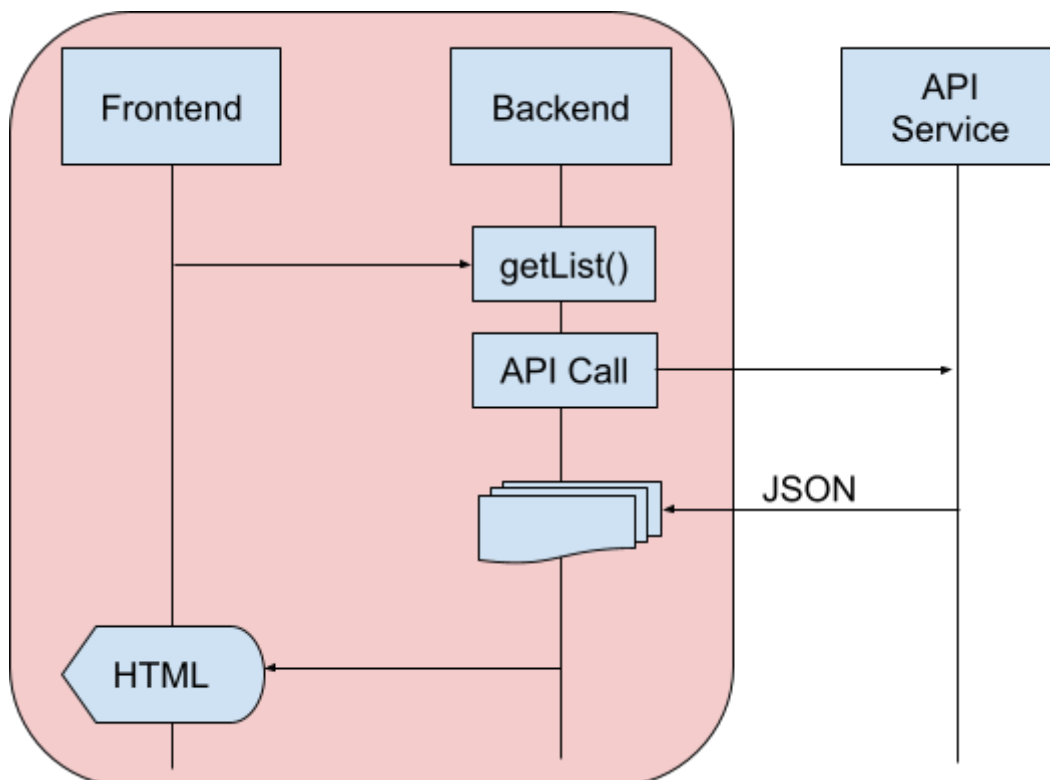
You should see this challenge as an opportunity to create an app following modern development best practices (given your platform of choice), but also feel free to use your own app architecture preferences (coding standards, code organization, third-party libraries, etc). It's perfectly fine to use vanilla or any framework or libraries.

We'd expect candidates to complete this coding test within 6-8 hours. If not complete in the timeframe, please submit what you have, with notes on what you planned to do to complete the task.

Please duplicate the project to a private GitHub repository, and invite the reviewer to the repository when you've completed the assessment. We expect to see good commit hygiene.

## Brief

Develop a combined backend and frontend application that consumes the list of employees via external API and displays them on the screen.



# External API specification

**URL:** <https://www.somehost.net/employees>

**Method:** GET

**Headers:**

Accept: application/json

Content-Type: application/json

**Success Response:**

**Code:** 200 OK

**Content:**

```
[{
  "id": 1,
  "first_name": "Aviva",
  "last_name": "Pryde",
  "email": "apryde0@cbsnews.com",
  "phone": "873-134-6659",
  "timezone": "Pacific/Pago_Pago"
}, {
  "id": 2,
  "first_name": "William",
  "last_name": "Clancy",
  "email": "wclancy1@slate.com",
  "phone": "995-708-1606",
  "timezone": "Europe/Athens"
}, {
  "id": 3,
  "first_name": "Abbe",
  "last_name": "Allchorn",
  "email": "aallchorn2@thetimes.co.uk",
  "phone": "843-381-9148",
  "timezone": "Europe/Ljubljana"
}, {
  "id": 4,
  "first_name": "Rollin",
  "last_name": "Snoday",
  "email": "rsnoday3@nature.com",
  "phone": "761-675-1364",
  "timezone": "Asia/Jakarta"
}]
```

# Requirements

## We expect to see:

- A backend application in PHP that consumes the list of employees via API.
- A SPA frontend that calls the backend API, shows the employees list
- The design of the frontend is not important and is not judged in this test
- A full git log showing work done
- A README to explain how to boot and run the end result

## What would be nice to have:

- PHP 7.4 usage
- DEV, TEST, PROD environments
- Unit tests (PHPUnit)
- Mocks for API client
- Full docblock comments
- Clean and quality code
- Good code structure

## Bonus Points:

- Docker
- Frontend: Vue (preferred) / JQuery
- Backend Framework: Laravel

## Other Requirements:

- Please do not use CRUD generators and admin packages
- No hosting needed

## Technical questions

- How long did you spend on the coding test? What would you add to your solution if you had more time? If you didn't spend much time on the coding test then use this as an opportunity to explain what you would add.
- How would you track down a performance issue in production? Have you ever had to do this?

--

End.