Technical challenge - Senior full stack developer

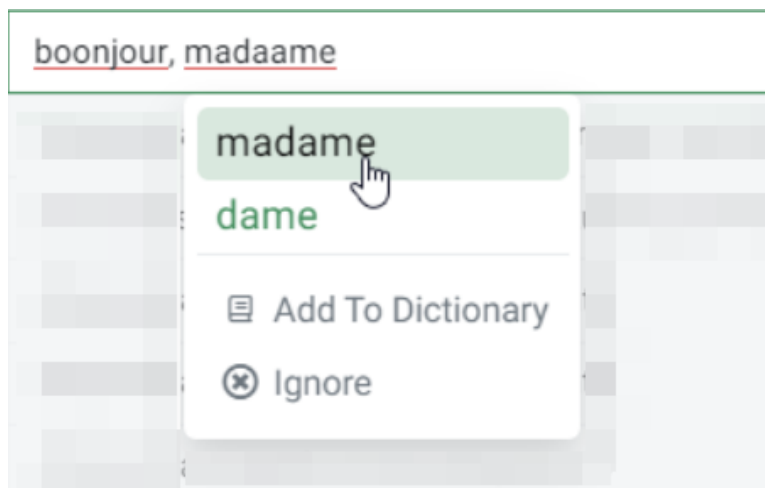This test is the starting point for all potential hires. It focuses mainly on React.js and PHP

Do not implement this test if you have less than 3 years of PHP and React.js experience

What you will need to implement

You will need to implement a spellchecker to identify and correct mistakes or typos made by users while writing text. The aim of this challenge is to allow users to correct misspelled words written in contenteditable divs. Suggestions for misspelled words come from our REST API.

Example of UI

Requirements

1. On an HTML page create three contenteditable divs using Quill editor. (10 points)
2. Users will type words in French (1st div), Italian (2nd div), and English-GB (3rd div). (5 points)

3. Use Strategic Agenda's API (see below how to call it) or any other library (but explain why and make sure different flavors of languages are supported i.e. English US vs. English GB) (50 points)
4. Misspelled words will be highlighted in red (or red wavy underline) while writing text. (15 points)
5. The resulting pop-up menu will contain spelling suggestions which users can then select and have the misspelled word replaced. It will be shown on left or right click. (10 points)
6. "Ignore" and "Add to the dictionary" options will be available and fully functional. (5 points)
7. Users will be able to edit the misspelled words when they are highlighted. (5 points)

Deliverables

1. Code in zip format or git repository (with instructions for running it locally)
2. Demo video (preferably with voice)

Strategic Agenda's API


```
curl --location --request POST 'http://35.197.120.214:5000/api/v1/spell' \
--form 'text="boonjour, madaame"' \
--form 'lang="fr"'
```

See the example here: https://paiza.io/projects/iJe9-l23q_fxuXF7BqQgUg?language=php

```php
<?php
$curl = curl_init();
```

```
curl_setopt_array($curl, array(
  CURLOPT_URL => 'http://35.197.120.214:5000/api/v1/spell',
  CURLOPT_RETURNTRANSFER => true,
  CURLOPT_ENCODING => '',
  CURLOPT_MAXREDIRS => 10,
  CURLOPT_TIMEOUT => 0,
  CURLOPT_FOLLOWLOCATION => true,
  CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
  CURLOPT_CUSTOMREQUEST => 'POST',
  CURLOPT_POSTFIELDS => array('text' => 'boonjour, madaame','lang' => 'fr'),
));

$response = curl_exec($curl);
curl_close($curl);
echo $response;
```

Technologies you will need to use

- PHP
- React.js
- Quill editor

Hiring Process