Assessment Development team

Thank you for applying at Let's Get Digital and congratulations to the fact that you are almost part of our team! To make a good estimate of your skills level and experience, we kindly ask you to complete a small assessment.

This assessment should be made in PHP primarily (at least the back-end part), you can use MySQL as a database and a html-front-end. Lay-out really does not matter (although it's a pré), it's mostly about your code.

You're allowed to use frameworks, libraries or code that you found online whenever you find it useful. In that case, please let us know which code you wrote yourself and which code you borrowed from others.

The goal of this assignment is to build a small registration form with corresponding validation, save the data after submitting and to show them in an overview.

The form needs to consist at least the following fields:

1. **First name, surname and initials**
   - These input fields aren't allowed to be empty. The first initial needs to match the first character of the first name.

2. **Postal Code and house number**
   - Postal Codes and house numbers need to be existing. You can request this via the api of postcodeapi.nu
   - Documentation: https://www.spikkl.nl/documentation/
   - Api key: **d439d0021a682baf0cb9c280664223fb**
   - Mind that there's a limit of 1000 requests.

3. **Email address**
   - This needs to be a valid email address
   - Optional: check whether there's an actual MX-record for this email domain

4. **Telephone number**
   - This needs to be a valid Dutch or German phone number

5. **Password**
   - This needs to be a good password (your interpretation)
   - Needs to be saved in the database in a secure manner.

If the validation is correct, everything will be saved in the database. Afterwards you show an overview of all existing records (this could also be a separate page), where you include the following information:

- All the above information, except for the password
- Street name, city and province (you can use the postcode-api)
- Optional: Link to google-maps with the correct coordinates

We expect you to set something up in a time that complies with a number of best practices. We're especially interested in:

- Your style of programming and consistency
- The technical choices that you make to come up with an working project
- Safety
- Efficiency (especially with regard to your api-implementation)
- Your use of modern techniques
- Preferably a not procedurally but object oriented approach
- Maintainability and expendability of the code in the future
- Used libraries and other resources

PLEASE NOTE: Do not spend more than 4 hours working on this assignment. It's absolutely no problem if you don't finish the complete assignment. Our goal is to make a clear estimate of your skill level.

Good luck and don't forget to have fun!