Web Developer Test

Intro

In this test we are going to get your skills as backend and frontend developer. You will have **24h maximum**.

Read the whole instructions before you start please.

Application guidelines

The objective of this test is **creating an MVC application based on PHP**. The application must be written in such a way, that it adheres to the following principles:

- It has to be MVC (Model View Controller) architecture using core PHP 5.x language. No frameworks.

- It must be built using the OOP (Object-oriented programming) methodology.

- You need to create and populate your own MySQL database.

- HTML, CSS and JS need to be used to create the visual elements. You can use the plugins that you need.

- Bootstrap 4 is recommended to build a responsive project.

- You can use comments however you like.

- You don't have to duplicate the images given, but build it as close as possible. Specially positioning.

- Make it as responsive as possible considering different devices (phone, tablet, desktop).

- Add the SEO tags that you consider

You will be provided with all the needed images to build the page. You don't need to change them with any program (like photoshop or paint.net), only use them and style them using CSS if needed.

We will evaluate clarity of coding, comments, architecture, technologies used… make it simple and efficient!

It will be valuable if you use CSS pre-processor like LESS or SASS and other modern helping tools.

It will be valuable the use of Git.

Task: Database

You have to create a database that contains at least the information below. All the content that you need to store in the database is in the design.

- Menu items

- Available courses

The remaining content it is optional to add rather in the database or directly in the markup.

You can add all the tables and information that you need in your database during the test.

Task: Home page

Build the home page using the mockup in **homepage.png,** and use **layout.png** as a reference. Footer has to be sticky at the bottom of the page.

Task: Contact page

Build a new page called "Contact". You have to use the file **contact.png** as reference. **You can style the form itself as your convenience**.

The new page will have the layout of the page plus a contact form. The contact form will have following fields:

- Name (required)

- Email (valid and required)

- Subject (required)

- Comment (optional)

Once the visitor submits the page, you will store all the fields in the database. You have to create needed tables in the database to store this information.

Javascript validation of the fields is required! You can use a plugin or JS framework if you prefer to make this validation.

FINAL

Once you consider you have finished the test, you have 2 options:

1.- Zip all the code and a dump of the database in one file. If you need to explain something to make it works (like the configuration file for the DB), create a file in the root of the project call README with the needed explanations or extra comments.

2.- Create a git repository in your favourite version control repository. If you need to explain something to make it works (like the configuration file for the DB), add it in the README.md with the needed explanations or extra comments.

Good luck!