C1 - Web projects

C-DEV-130

End of Course Project

Developing a solution from specifications

{ EPITECH. }

End of Course Project

repository name: dev_and_go_ecp
repository rights: ramassage-tek
language: PHP, JS, Laravel, Vue.js

- The totality of your source files, except all useless files (binary, temp files, obj files,...), must be included in your delivery.

Preface

The goal of this project is to conclude the training course and use all technical knowledge you aquired.

You will create a website from the ground up based on client's needs as you would in a professional environment.

First, you must create a specification that must be approved by the client (the pedagogical team will play the client role) in which you describe the context of the project, its features and the a overview of your technical proposal.
specifications

There will be 3 steps :

- Choose the theme of your project , pitch it to the pedagogical team and write the specification document {3 day}
- The realization of a Proof Of Concept put into production {1 week}
- A customer acceptance phase during which the client will test and submit tickets {1.5 weeks}

Specification

Using the provided template you will write the specification of your pitched project.

Keep in mind you will have to implement the features described in the specification.

Focus on the main features from the heart of your project in order to produce and publish a working Proof Of Concept.

Mock-ups

During this step, we ask you to create a moodboard and wireframes to help you define your needs and avoid going blind in the creation of your interface.

Specification document

A specification document template is provided to you with the subject, you must use it to best describe your project and submit it to your pedagogical team for validation.

The Proof Of Concept

The POC must be a working implementation of your project's main features. You will make it accecible to your client. Focus on features, not design. For example, for an e-commerce project, the POC could be to be able to create a product (name, description, price) and make it available to purchase with the purchasing tunnel (address and payment).

The POC should be as complete as possible at the one week of work and you should continue to develop it by moving gradually towards your final solution when you are not solicited by customer feedback.

Deployment

In order to be tested, your solution must be available online in its latest version at all times and accessible at least to your client (pedagogical team).

You must maintain a github repository containing all the sources of your project at their latest version. In this repository, you must have a README.md with technical information about how the start of your solution (installation, access, use, testing, etc...).
We ask you to set up a Dockerfile of you project.

> You must use the features and possibilities (versioning, ticketing, documentation, actions) offered by Github

> You can use several free hosting solutions such as github Pages, free online hosting, local network hosting, Raspberry Pi mini-computer; but you can also rent a small server for the duration of the project (OVH VPS for example).

> The team advises you to set up "Continuous Deployment" with github hooks to keep your production up to date.

Requests for evolution and bug fixes

Finally, and based on the POC of your solution, you will have to respond to the requests and bug reports from you client.

All these modification requests will be made in the form of tickets through your github repository.

Keep in mind that your client has to technical kwowledge so this implies to anwser to the client tickets with non-technical terms

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You must anwser all requests and overcome all difficulties encountered during this phase, so you must priorize the client's requests

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Grading

POC defense

After a week of work on the POC you will be graded on the functionalities imposed by the initial pitch.

Ticket anwsering satisfaction

For each ticket received during the 3rd phase, you will be evaluated on the relevance of the evolution brought to the solution and the answer sent to the customer.

Final Grade

At the end of the project, you will have to make a profesionnal presentation of the product to your client.

> You must show all the features of your project. Features that are not shown will not be evaluated

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You also give feedback to the pedagogical team with any presentation medium by addressing the following points:
- your project methodology and organization.
- one of the main features of your project from a technical point of view
- describe how you have improve your skills during the project.
- describe ones of the difficulties encountered during the project and how you overcame it.

Technical specifications

Requirement

You must use the Laravel framework as an API for this project and a front with Vue.js

The API must user a SQL database such as MariaDB or PostgreSQL.

You must have an secured authentification system.

You must have an admin panel with at least CRUD of user table