




TP - PHP

You have 7 hours to realize the following case.

You will be evaluated on your ability to meet the following  functional goals.

PHP and Web Services

The job is about to provide API endpoint for user creation:

You have an APP with a register page who need an API to create users .



Request

You need to handle the client request with at least:

- Method
- Uri
- Headers
- Body

@see [w3.org request](https://www.w3.org/Protocols/rfc2616-4.html)



REST

You need to follow REST principles for:

- Method
- Uri
- Request body format
- Status code:
 - 201 for creation success
 - 404 for not found uri
 - 405 for method not allowed
 - 409 for conflict
 - 422 for unprocessable entity
 - 500 for internal server error
- Response body format

@see [wiki rest](https://en.wikipedia.org/wiki/REST)



Response

You need to send a response with at least:

- Status code
- Reason phrase

- Headers
- Body

[@see w3.org response](#)



User endpoint

An uri for a method have to create an user :

- The api must create an user for a method and an uri
- The api must repond with a 422 status code for incomplete input user
- The api must repond with a 409 status code for existing user
- The api must repond with a 201 status code for creation success
- The api must repond with a json body of the created user

[@see PDO](#)

[@see PDO::prepare](#)

[@see PDOStatement::bindValue](#)

[@see PDOStatement::execute](#)

Try to consume your endpoint with your app:

- The api must allow different host, method and header

[@see Access-Control-Allow-Origin](#)

[@see Access-Control-Allow-Methods](#)

[@see Access-Control-Allow-Headers](#)



Deployment

The API must be on a production server:

- Subscribe to a free server hosting
- Create the database and migrate the table
- Transfert the php source code

Try to execute your script:

- Create and configure the .htaccess file

[@see ovh htaccess url rewrite](#)



Manage your time

You have one thematic, you need to create your ow api, focus and try to find solutions for improve your skill.



Let's focus