

PHP backend developer

Summary

In order to test your skills as a PHP backend developer, we prepared a test database which is very close to our system. So your tasks inside this challenge is very near to your future tasks if you would work for us.

With the following tasks we will check:

- how you handle database interactions with db-procedures,
- how you would write an restful API,
- how you write tests and
- how you would protect your web application.

The planned time you will have for this tasks is 120 minutes. After this time we would discuss your solution together.

(If you want, you can choose your preferred framework, but it can also be plain PHP.)

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Steps

Step 1

There should be some API endpoint to get the current server time.

Step 2

There should be some API tests for this (by using [codeception](#) / [phpunit](#)).

Step 3

The access to the API should be protected by an access token, which needs to be valid.

Hints:

- the access tokens are stored in 'api_apikey'
- you will need the table 'vorgaben_zeitraum' for the validation check

Step 4

There should be an API endpoint to get a list of active "FlagBits".

This endpoint has an input field 'trans_id'.

This endpoint only allows access to transactions which belongs to the API user.

Hints:

- the transactions are stored in 'transaktion_transaktionen'
- the "FlagBits" for are stored in 'stamd_flagbit_ref'
- the list of possible "FlagBits" is stored in 'vorgaben_flagbit'
- (optional) for returning a name for the "FlagBit" you can use the names of the constants from the const.php.

Step 5

There should be an API endpoint to set (enable) a specific "FlagBit" to some transaction.

This endpoint should be limited to access tokens which have the value 'ist_masterkey' set to 1.

Step 6 (optional)

There should be an API endpoint to remove (disable) a specific "FlagBit" to some transaction.

This endpoint should be limited to access tokens which have the value 'ist_masterkey' set to 1.

Step 7 (optional)

There should be some API endpoint to get the history of the "FlagBits" for some transaction.

Dictionary

DE	EN
Stamd.	abbreviation for: master data
Nutzer	user
Vertrag	contract
Verw.	abbreviation for: administration / management
Datensatz	data set
Vorgaben	specifications
Zeitraum	period
Bearbeiter	user (changed by)
Produkt	product
Betrag	amount
Währung	currency
Erstelldatum	creation time
Beschreibung	description
von	from
bis	to
Transaktion	transaction
erstellen	create
ändern	change