

Basic Technical Test

PHP Symfony Developer

2023

Introduction

This assessment aims to measure your fundamental knowledge in developing using the PHP Symfony framework, as well as your ability to create/consume APIs and display information effectively to the client.

Test Objective

The main objective of this test is to evaluate your ability to:

1. **PHP:** Assess your PHP knowledge specifically using the Symfony framework.
2. **API development and consumption:** Evaluate your ability to develop an API from scratch and interact with it to consume information.
3. **Customer Information Display:** Evaluate your ability to present information clearly and efficiently in the user interface, ensuring a smooth user experience.

Test Structure

The test is divided into several topics, each focused on assessing a specific skill through specific requirements.

General Instructions

1. Be sure to read all instructions before starting.
2. Use the technologies and tools you consider appropriate for each task.
3. Work efficiently and focus on code quality.
4. Do not hesitate to ask questions if you need clarification (via email).

Project requirements:

- Create a new application named AaxisTest, this application must have a connection to the PostgreSQL DB.
- Generate an entity and its corresponding migration with the following fields:
 - Id (auto incremental)
 - Sku (varchar 50 characters, non-null, unique)
 - Product_name (varchar 250 characters, not null)
 - description (text)
 - created_at (autocomplete on record creation)
 - update_at (autocomplete when updating the registry)
- Generate a controller that contains the methods so that by means of API REST the following can be done:
 - Load the records of the created entity. The endpoints will receive a JSON payload that may contain 1 or more records to load. In case of any error you must report it in the response.
 - Update of existing records. The endpoint will receive a JSON payload with a list that may contain 1 or more records to be modified. The product identification will

be through the SKU field. In the response it must inform if it was updated correctly or in case of any error inform with which SKU it occurred.

- List of products. The endpoint simply brings a list of all the products with their data.
- For all these endpoints use authentication to control and if the token sent does not belong to any user report in the result.

Delivery of the POC (Proof of Concept):

Main Evaluation Criteria:

Your test will be evaluated based on the following criteria:

- **Functionality:** Was 100% of the requirement covered?
- **Code quality:** Is the code well organized and does it follow good development practices?

Delivery:

Please submit your solution to a public GitHub or GitLab repository for review. Be sure to provide a README file with clear instructions for running the application locally.
