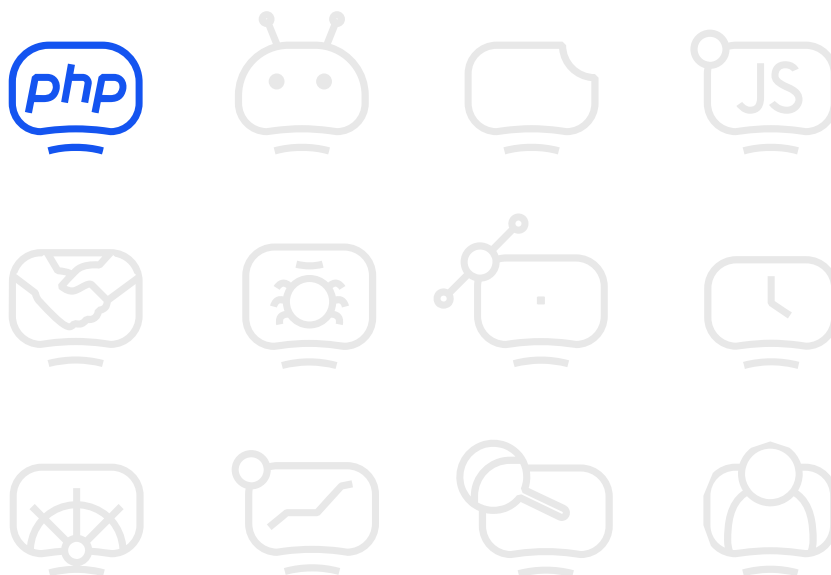


PHP Developer

# Test task

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2018

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# PHP Developer

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As a part of the Fora Soft's review process, we would like you to demonstrate your understanding of writing code in PHP and JavaScript and an ability to learn new technologies. You are going to be presented with a test task that you need to complete. When writing your code, please bear in mind that it should (general technical requirements):

1. Be production-ready
2. Be understandable and maintainable by other developers
3. Demonstrate best-practice
4. Be robust and handle error situations
5. Be bug free, compile and execute correctly
6. Be written primarily in Symfony 2 Framework

## Scope Overview

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As a test task you need to develop a web-site for completion of tests. There is a list of requirements for the functionality of the site:

- When entering the site the user can choose a list of tests, which he can pass.
- After the test is chosen the user can see a list of questions and options of answers.
  - There are only 3 types of questions:
    - The question where only one answer is possible
    - The question with several possible answers
    - The question where a user can enter the answer as a text message with the help of a keyboard
  - The number of the questions in the test can be unlimited
- After the test completion a user can click on "Submit" button and he will see the results with the correct answers and the answers where he has mistakes.
- The result of test completion must be saved in a database

You can find a sample poll structure on the Pic.1.

Pic.1. Sample poll structure

A Web Page

http://simple-test.fora-soft.com

## Test Name

Question 1

☐ answer 1

☒ answer 2

☐ answer 3

☒ answer 4

Question 2

☐ answer 1

☐ answer 2

☐ answer 3

Question 3

Type your answer here...

Submit

As an extra advantage will be the realization of any of these functions:

- Administrator panel for text editing (SonataAdminBundle or other)
- The ability to signup and login in the site (FOSUserBundle)
- The use of Data Fixtures demo data
- Possibility to attach pictures to questions

During the development use this check-list:

- Composer is being used
- Architecture is good - forms, repositories, services (if needed) are taken out into the corresponding classes
- Code complies with PSR1/2 standards (names of the values make sense and code is formatted in a proper way)
- Bootstrap is being used (everything looks nice and cuspy)
- Validation is being used in the forms
- Annotations in controllers for routing/security/etc. are being used

# Submission

Having tested the result, please send the solution including any dependencies as a zipped archive and a cover letter to [hr@fora-soft.com](mailto:hr@fora-soft.com) with the Subject "Evaluation Test PHP". Once we have reviewed your solution, we might set up a conversation with our Senior Software Developer.