



**ROYAL APPS**

PHP test assignment

Coding skill assignment

# Introduction

This task is used as a skill assessment assignment which RoyalApps uses in its selection process to determine the best candidate for the job. All test assignments should be solvable within 8 hours by an experienced developer. These assignments are not a part of any client project or part (and will not be) of any production project. RoyalApps, however, reserves the right to limit the disclosure of the assignment contents. This assignment is aimed at all developers' seniority and experience levels.

## Assignment

General tips and tricks:

- Create a new Symfony, Laravel or “vanilla” PHP project, push it to GitHub/Bitbucket/Gitlab repository, and when the assignment is done, send us a link or an invite to the repository.
- Feel free to ignore the frontend part - save your time on CSS and styling. Functionality is the most important part.
- Setup of the project must be as simple as possible - i.e. it is enough to use Symfony/PHP built-in web server.
- Document the setup process - the simpler, the better. If you have further questions or are unsure about something
- PHP 7.4 is the minimum, and if you can do it with 8.0+ - go right ahead!
- Minimal validation is enough, don't waste too much time on it - if the request passes, it's ok!

## Client

- Create a client for connection on Candidate testing API
- Swagger documentation: <https://candidate-testing.api.royal-apps.io/docs>
  - Credentials:
    - email: ahsoka.tano@royal-apps.io
    - password: Kryze4President
- Create a login page that uses Candidate testing API, retrieve the access token
- Store the token using any storage you want

## Authors

- Fetch the list of Authors from the API, and display them in a table layout

- Enable a user to delete the author if there are no related books for this author
- Create a view page of single authors and their books
- Extra Bonus Part: Symfony CLI command to add a new author

## Books

- On single author view, enable the user to delete books (one by one)
- Create a page where the user can add a new Book and select Authors from a dropdown menu
- Profile
- After the user logs in - show his first and last name on the base page layout.
- Add a logout link or button