

Task for PHP Senior Developer

Your task will be to create a simple api for importing and showing race results. You should use [Symfony](#) with [ApiPlatform](#) and cover the solution with tests.

Bonus points will go to the solutions that are optimized and written with clean code using design patterns.

Intro

What's expected of you:

- Importing a CSV list of results for a race
- Calculate the average finish time & placement of runners
- Showing the imported results
- Ability to edit a result

Import results

Create an endpoint for importing results from a CSV file. The endpoint should also receive the race title and date. Here is an example of CSV file content:

```
fullName,distance,time,ageCategory
Matthias Floyd,medium,5:15:24,M18-25
Toby Phillips,long,4:07:45,M26-34
Paloma Mclean,long,4:04:31,F18-25
Willow Brock,medium,3:04:30,M18-25
Alissa Harris,long,5:04:24,F18-25
Dania Travis,long,6:04:12,F26-34
Lorena Villegas,medium,2:09:31,F26-34
Marc Rivera,long,6:23:14,M26-34
Ryan Roberts,long,6:15:45,M26-34
Sergio Spears,medium,2:13:45,M35-43
```

All the fields are required and distance should be `medium` or `long`. Age category doesn't have predefined values, so it should accept any string.

Process the file and save the race and results to the database along with the calculated placements. Shorter time gets the better placement. For each **long distance** result save the following placements:

- **overall placement** for all results together
- **age category placement** for each age category separately

Medium distance results don't have placements.

Make sure to optimize the import for a larger number of results (10-20k).

The expected placements for the example CSV data:

Full name	Finish time	Overall Placement	Age category placement	Age category
Paloma Mclean	4:04:31	1	1	F18-25
Toby Phillips	4:07:45	2	1	M26-34
Alissa Harris	5:04:24	3	2	F18-25
Dania Travis	6:04:12	4	1	F26-34
Ryan Roberts	6:15:45	5	2	M26-34
Marc Rivera	6:23:14	6	3	M26-34

Get races collection

Create an endpoint which returns imported races. Response should contain the following **fields**:

- Race title
- Race date
- Average finish time for medium distance
- Average finish time for long distance

Create following **filters** for this endpoint:

- Race title
- Order filter for all returned fields

Get results by race

Create an endpoint which returns results by a given race. Response should contain the following **fields**:

- Racer full name
- Finish time
- Distance
- Age category
- Overall place
- Age category place

Create following **filters** for this endpoint:

- Racer full name
- Order filter for all returned fields
- Distance
- Age category

Edit single result

Create an endpoint for editing a single result. All fields except the placement fields can be edited.

That's it!

If you have any questions about the task, feel free to contact us. Good luck! :)