

# DEVELOPER Exercise

Dear candidate,

let me remind you that you cannot ask for any clarification on the exercise and your output must be just the link to the solution. Everything must be explained in the README.md.

Thank you and good luck!

## Specifications

### 0) The solution must be based on Docker.

You can optionally use our boilerplate as a starting point

<https://github.com/SnceGroup/snce-docker>

Our boilerplate may not be fully functional, but you can use it as inspiration.

### 1) "Create Product" page

The page responds to the route `/product/create`

As a site administrator I want to be able to insert a new type of product in a catalog.

- I want to define the name
- I want to be able to upload an image
- I want to be able to enter a description
- I want to be able to add one or more tags (at least one is mandatory) to the product

### 2) "Products Listing" page

The listing page responds to the route `/product/list`

As site administrator I want to see the catalog of all the products I have included in a list, where I see the name and a reduced image preview, the products are sorted by creation date.

I see the creation date next to each product.

I also want to be able to filter by the name of the associated tags.

### 3) "Product Edit" page

The edit page responds to the route `/product/{product}/edit`

As a site administrator by clicking on the link of a row in the list or on the image, I want to go to the form to modify the properties of the product.

## Implementation requests

- The project must be implemented using Symfony4
- Doctrine 2 must be used for database management
- You have to use the Bundles/Packages/Components significantly
- You can use any Bundle or Package to manage the upload of images with the chosen framework
- Include into the repository a README.md in English that helps in the configuration of the project
- You do not need to implement an authentication mechanism for the administrative area
- Use the Repositories of Doctrine 2

## The work will be evaluated for

- Completeness with respect to the specifications
- Organization and structure of the project
- Organization and structure of the code
- Elegance of the adopted solutions

## Release method

The project must be released on a public github (or gitlab) repository