





TP - Symfony

You have 7 hours to realize the following case.

You will be evaluated on your ability to meet the following  functional goals.

Normalize







The `DefaultController` must:

-  Use `webpack-encore`
-  Style correctly your pages with a `CSS` framework
-  Display a `navigation` at least

CRUD

Product

A `ProductController` must:

-  Create a product
-  Show all products
-  Show one product by id
-  Edit a product by id
-  Delete a product by id
-  The product must be an entity with following attributes :
 - `id` : `int`
 - `name` : `string`
 - `description` : `string`
 - `category` : `Category`

You must have an `entity` in `relation` with an other.

[@see Doctrine associations](#)

The `ProductType` must have a `select list` for select a `Category` for his `name` .



[@see EntityType](#)

Take care about `cascade persist` , you do not want to create a `Category` when you create a `Product` !

[@see Cascade operations](#)

Validation

`CategoryType` and `ProductType` must be completed.

-  Name and description can not be empty
-  Name and description have to begin with a capital

You can add `validation constraints` at differents places:

- [In entities](#)
- [In form classes](#)



Choose the one it feet the best.

[@see Form validation](#)

Cache

Every time a client came to show your entity collection, you perform a query to the database, even if the collection have not changed since the last query.

`CategoryType` and `ProductType` must be cached with `FilesystemAdapter` .

-  Collections must be saved in the pool at modification
-  Collections must be retrieved from the pool at reading

The idea is to store in cache your query results when they changes and to deliver cache result for consultations.

[@see PSR-6](#)

Manage your time

You need to reapeat and complexyfy CRUD operations.

Let's focus
