

Design Rules

SRP single responsibility principle

OCP open closed principle

LSP Derived class should be substitutable for the base class.

Layer of abstraction

Sandi Metz's Rules

100 Class can be no longer than 100 lines of code

5 Method can be no longer than 5 lines of code

4 Method should have no more than 4 parameters

only 1 Controll should instantiate only 1 object

Basic Rules

meaningful name for class, method, variable and constant

avoid using suffix for service name

remove the unused method and variable

remove the unnecessary variable and constant

prefer to use DateTimeImmutable for handling date

return value directly and earlier, if possible

short method, and just do one thing

set the lowest visibility to class, constant, variable, method

docblock must bring additional information

declare always the return value for method

avoid to use @template annotation, prefer to use \$this->render

prefer to use \$this->render('@AppBundle/index.html.twig');

define route in routing.yml file

define the Permission via @IsGranted(), @Security("is_granted()")

prefer to use @Cache(smaxage="300") for caching

DRY: do NOT repeat yourself

self-documenting code

TED

T: terse, simple as possible

E: expressive(self-documented)

D: done one thing

Symfony Specific

test

Function

watch for side effects

DTO/DAO Object

validate the property with constraint annotation

always final class definition

Doctrine

Read operation via Repository

Write operation via EntityManager

Remove default value from doctrine annotation in Entity (Example: default values like type="string", length=255, nullable=false)

define public setter/getter if really necessary

Migration

Remove the auto-generated comments

Do not handle invalid platform, if MySQL is assumed due to full control of environment

Tests

Entity, ValueObject, DTO, DAO will not be mocked

Use Alice & faker for complex object

validation should not be mocked, prefer to use ValidationBuilder

Design

Infrastructure consists of validator, EventListener, DBAL
EnumType

BusinessProcess consists of essential operations in business flows

Symfony classic directories: Controller, Command, Entity, Form

Domains



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