Audit de performance et de qualité

Table des matières

1   Audit de performance

1.1   Introduction

Cette audit de performances a été réalisé sur chaque route local et dans un environnement de production.

Dans cette configuration, les tests ne sont pas perturbés par une configuration spécifique d'un hébergeur ou encore par des composants de développement tel que le profiler symfony.

1.2 Les routes

```
root@354d8b6d6f67:/app/p8# php bin/console debug:router
 ------------- --------- --------- ------ --------------------
  Name          Method    Scheme    Host   Path
 ------------- --------- --------- ------ --------------------
  homepage      ANY       ANY       ANY    /
  login         ANY       ANY       ANY    /login
  logout        GET       ANY       ANY    /logout
  task_list     ANY       ANY       ANY    /tasks
  task_create   ANY       ANY       ANY    /tasks/create
  task_edit     ANY       ANY       ANY    /tasks/{id}/edit
  task_toggle   ANY       ANY       ANY    /tasks/{id}/toggle
  task_delete   ANY       ANY       ANY    /tasks/{id}/delete
  user_list     ANY       ANY       ANY    /users
  user_create   ANY       ANY       ANY    /users/create
  user_edit     ANY       ANY       ANY    /users/{id}/edit
 ------------- --------- --------- ------ --------------------
```

1.3 Les annalyses de performances

1.3.1 /

200 GET http://localhost/

Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php ⊗ ⚠ ↪ 0 rq ⏱ 174 ms ↕ 3.43 ms ◈ 170 ms ▯ 13.6 MB ▯ 794 B ⊕ 0 µs / 0 rq ▤ 496 µs / 1 rq ≡ Timeline

Composer\Autoload\includeFile		208
Composer\Autoload\includeFile@1		133
compile::composer/autoload_static.php		1
Composer\Autoload\includeFile@2		56
Container63oWWZa\App_KernelProdContainer::load		17
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
Composer\Autoload\includeFile@3		29
base.html.twig::doDisplay		1
Container63oWWZa\App_KernelProdContainer::load@1		9
compile::Mapping/ClassMetadataInfo.php		1
composerRequire11698e7f2d7c7e6815cb773729007093		14
Composer\Autoload\ClassLoader::loadClass		209
compile::ORM/UnitOfWork.php		1
compile::Assert/Functions.php		1
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do		2
compile::http-foundation/Request.php		1
compile::Container63oWWZa/App_KernelProdContainer.php		1
compile::Entity/BasicEntityPersister.php		1
...pKernel\EventListener\AbstractSessionListener::onKernelResponse		1
compile::Platforms/AbstractPlatform.php		1
...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor		7
Symfony\Bundle\FrameworkBundle\Routing\Router::generate		6
Symfony\Component\Dotenv\Dotenv::doLoad		1
spl_autoload_call		210
...rine\ORM\Internal\Hydration\SimpleObjectHydrator::hydrateAllData		1
Composer\Autoload\ClassLoader::loadClass@1		133
compile::Extension/CoreExtension.php		1
Container63oWWZa\get_Container_Private_TwigService::do		1
Symfony\Component\Runtime\SymfonyRuntime::getRunner		1

1.3.2 /login

302 POST http://localhost/login

Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php ⊗ ⚠ | ↪ 0 rq ⏱ 674 ms ↑↓ 1.96 ms ⊘ 672 ms 🖫 12.6 MB 🗇 0.813 kB 🌐 0 μs / 0 rq 🗄 594 μs / 1 rq 🟰 Timeline
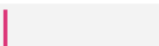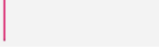
password_verify			1
Composer\Autoload\includeFile			194
Composer\Autoload\includeFile@1			128
Composer\Autoload\includeFile@2			56
{closure}::event-dispatcher/EventDispatcher.php/265-271			20
run_init::vendor/autoload_runtime.php			1
compile::composer/autoload_static.php			1
Container63oWWZa\App_KernelProdContainer::load			18
...serAutoloaderInit11698e7f2d7c7e6815cb773729007093::getLoader			1
{closure}::event-dispatcher/EventDispatcher.php/265-271@1			7
...Http\Authentication\AuthenticatorManager::executeAuthenticator			1
compile::ORM/UnitOfWork.php			1
Container63oWWZa\App_KernelProdContainer::load@1			8
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do			2
compile::Mapping/ClassMetadataInfo.php			1
compile::Platforms/AbstractPlatform.php			1
Doctrine\ORM\EntityManager::__construct			1
Composer\Autoload\ClassLoader::loadClass			195
compile::Entity/BasicEntityPersister.php			1
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load			1
spl_autoload_call			196
...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor			5
Container63oWWZa\App_KernelProdContainer::load@2			2
...urity\Http\EventListener\CheckCredentialsListener::checkPassport			1
run_init::prod/App_KernelProdContainer.php			1
compile::http-foundation/Response.php			1
compile::ORM/AbstractQuery.php			1
Composer\Autoload\ClassLoader::loadClass@1			128
...thentication\AuthenticatorManager::handleAuthenticationSuccess			1

1.3.3 /logout

302 GET http://localhost/logout

php ⊗ ⚠ | ↪ 0 rq ⏱ 148 ms ⇅ 3.7 ms ◈ 144 ms ▭ 12.3 MB ▯ 794 B ⏲ 0 µs / 0 rq ⊟ 594 µs / 1 rq ≣ Timeline

Function	Value
Composer\Autoload\includeFile	173
Composer\Autoload\includeFile@1	118
Composer\Autoload\includeFile@2	55
compile::composer/autoload_static.php	1
Container63oWWZa\App_KernelProdContainer::load	15
{closure}::event-dispatcher/EventDispatcher.php/265-271	20
Composer\Autoload\includeFile@3	29
...pKernel\EventListener\AbstractSessionListener::onKernelResponse	1
composerRequire11698e7f2d7c7e6815cb773729007093	14
compile::Assert/Functions.php	1
Container63oWWZa\App_KernelProdContainer::load@1	8
compile::ORM/UnitOfWork.php	1
PDO::__construct	1
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do	2
Doctrine\ORM\EntityManager::__construct	1
{closure}::event-dispatcher/EventDispatcher.php/265-271@1	3
compile::Entity/BasicEntityPersister.php	1
Symfony\Component\HttpFoundation\ResponseHeaderBag::set	9
compile::Mapping/ClassMetadataInfo.php	1
Composer\Autoload\ClassLoader::loadClass	174
compile::Platforms/AbstractPlatform.php	1
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load	1
run_init::vendor/autoload_runtime.php	1
compile::error-handler/ErrorHandler.php	1
compile::http-foundation/Request.php	1
spl_autoload_call	175
Composer\Autoload\ClassLoader::loadClass@4	13
...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor	7
...63oWWZa\getSecurity_Authenticator_FormLogin_MainService::do	1

1.3.4 /tasks

200 GET http://localhost/tasks
Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php · ⊗ · ⚠ | ↳ 0 rq · ⏱ 448 ms · ↑↓ 247 ms · ◈ 201 ms · ▯ 14.2 MB · ▭ 1.68 kB · ◉ 0 µs / 0 rq · ▤ 3.59 ms / 2 rq · ≡ Timeline

Function		Count
Composer\Autoload\includeFile		223
compile::G/t9DtvZXTMJQ3 De4g9pg		1
Composer\Autoload\includeFile@1		138
compile::Container63oWWZa/getTaskControllerService.php		1
compile::Repository/UserRepository.php		1
compile::Controller/TaskController.php		1
compile::X/za3rKcsskyYbnq2fdU g		1
...pile::Container63oWWZa/get_ServiceLocator_OSbocZ8Service.php		1
compile::Mapping/Table.php		1
compile::Repository/TaskRepository.php		1
is_file		17
compile::Container63oWWZa/getTaskRepositoryService.php		1
compile::composer/autoload_static.php		1
Composer\Autoload\includeFile@2		57
Container63oWWZa\App_KernelProdContainer::load		21
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
compile::Container63oWWZa/getUserRepositoryService.php		1
Twig\Cache\FilesystemCache::load		2
Composer\Autoload\includeFile@3		29
Doctrine\ORM\UnitOfWork::createEntity(...)		5
composerRequire11698e7f2d7c7e6815cb773729007093		14
compile::Extension/CoreExtension.php		1
compile::ORM/UnitOfWork.php		1
compile::Entity/BasicEntityPersister.php		1
Container63oWWZa\App_KernelProdContainer::load@1		10
compile::Mapping/ClassMetadataInfo.php		1
twig_get_attribute		58
PDO::query(...)		1
Composer\Autoload\ClassLoader::loadClass		224

1.3.5 /tasks/create

302 POST http://localhost/tasks/create
Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php | ⊗ | ⚠ | ↪ 0 rq | ⏱ 784 ms | ↕ 221 ms | ◈ 563 ms | ▭ 18.8 MB | ⬡ 1 kB | ⊕ 0 μs / 0 rq | ⊟ 4.91 ms / 2 rq | ⊤ Timeline

Function		Count
Composer\Autoload\includeFile		314
compile::Mapping/MappingException.php		1
Composer\Autoload\includeFile@1		191
mkdir		144
Symfony\Component\Cache\Adapter\PhpFilesAdapter::doFetch		162
compile::src/Statement.php		1
compile::M/EXZjM6mT5ArTSORRPe1w		1
compile::Event/PreSubmitEvent.php		1
compile::Y/ guqLdMlFuLFzBZr71lg		1
Symfony\Component\Cache\Adapter\PhpFilesAdapter::write		159
compile::Event/TransactionBeginEventArgs.php		1
Container63oWWZa\App_KernelProdContainer::load		30
Symfony\Component\Cache\Adapter\PhpFilesAdapter::getFile		321
Composer\Autoload\includeFile@2		69
Container63oWWZa\App_KernelProdContainer::load@1		14
compile::Common/EventArgs.php		1
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
compile::composer/autoload_static.php		1
Symfony\Component\Cache\Adapter\PhpFilesAdapter::doSave		159
...e\Common\Annotations\AnnotationReader::getMethodAnnotations		82
Symfony\Component\PropertyInfo\PropertyInfoExtractor::extract		47
fopen(...)		105
Doctrine\Common\Annotations\DocLexer::getType		993
Symfony\Component\VarExporter\VarExporter::export		117
Doctrine\Common\Annotations\DocParser::Annotation		115
run_init::vendor/autoload_runtime.php		1
compile::F/7H7FgxsBejK4hpnGtAeg		1
compile::Y/QR0MDyNMbLANH7rFpaRw		1
Symfony\Component\Cache\Adapter\PhpFilesAdapter::commit		159

1.3.6 /tasks/{id}/edit

200 GET http://localhost/tasks/46/edit
Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php ⊗ ⚠ | ↪ 0 rq ⏱ 600 ms ↕ 286 ms ◈ 313 ms ▢ 19.2 MB ▢ 1.4 kB ⊕ 0 µs / 0 rq ▤ 1.17 ms / 2 rq ≡ Timeline

Composer\Autoload\includeFile		349
Composer\Autoload\includeFile@1		191
is_dir		15
is_file		23
compile::Assert/Functions.php		1
compile::DeepCopy/deep_copy.php		1
compile::Event/ListenersInvoker.php		1
Container63oWWZa\App_KernelProdContainer::load		29
Composer\Autoload\includeFile@2		68
compile::Proxy/Autoloader.php		2
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
compile::Driver/AnnotationDriver.php		2
Container63oWWZa\App_KernelProdContainer::load@1		14
compile::Proxy/VirtualProxyInterface.php		1
composerRequire11698e7f2d7c7e6815cb773729007093		14
Composer\Autoload\includeFile@3		30
compile::composer/autoload_static.php		1
compile::Deprecations/Deprecation.php		1
Twig\ExtensionSet::initExtension		17
compile::Kernel/MicroKernelTrait.php		1
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load		2
Symfony\Component\Form\ResolvedFormType::createBuilder		4
compile::Mapping/ClassMetadataInfo.php		1
compile::error-handler/ErrorHandler.php		1
Container63oWWZa\App_KernelProdContainer::load@2		5
Composer\Autoload\ClassLoader::loadClass		350
Symfony\Bundle\FrameworkBundle\Routing\Router::generate		5
...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor		16
Symfony\Component\Form\Form::createView		1

302 POST http://localhost/tasks/42/edit

Created less than a minute ago by **c.lanon.informatique@gmail.com** in GitHub Student Developer Pack / test

php ⊗ ⚠ ↳ 0 rq ⏱ 351 ms ↕ 139 ms ◈ 212 ms ▢ 17.7 MB ▢ 1.58 kB ⊕ 0 μs / 0 rq ⊟ 4.11 ms / 3 rq ⤨ Timeline

Composer\Autoload\includeFile		307
Composer\Autoload\includeFile@1		191
compile::1/NyhupOgl1PHgcEaru1dA		1
compile::Event/TransactionBeginEventArgs.php		1
Container63oWWZa\App_KernelProdContainer::load		29
Composer\Autoload\includeFile@2		69
compile::composer/autoload_static.php		1
compile::G/cuRu8pamZ40LRgDgAqxA		1
compile::3/rBpYjNoTw4YSb3nk88SA		1
compile::P/aVuPUkOKtSsd1itsDRfw		1
compile::Z/-3WbinczipIkpkkAgwYw		1
compile::Y/eHq 9vUmgm9YSvkx971w		1
compile::Z/KJPZkIr1EQhoMniqgHLw		1
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
Symfony\Component\Cache\Adapter\PhpFilesAdapter::doFetch		10
Container63oWWZa\App_KernelProdContainer::load@1		14
PDO::commit		1
Composer\Autoload\includeFile@3		30
composerRequire11698e7f2d7c7e6815cb773729007093		14
Composer\Autoload\ClassLoader::loadClass		308
...mponent\HttpKernel\Controller\ArgumentResolver::getArguments		1
...ny\Component\Validator\Validator\RecursiveValidator::startContext		1
PDOStatement::execute(...)		1
Symfony\Component\Form\Form::submit		1
compile::ORM/UnitOfWork.php		1
Container63oWWZa\App_KernelProdContainer::load@2		5
spl_autoload_call		309
compile::Assert/Functions.php		1
App\Controller\TaskController::editAction		1

1.3.7 /tasks/{id}/toggle

302 GET http://localhost/tasks/46/toggle

Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php ⊗ ⚠ | ↪ 0 rq | ⏱ 142 ms | ↑↓ 4.12 ms | ◈ 138 ms | 🖥 12.5 MB | 🗄 794 B | 🌐 0 μs / 0 rq | 🗄 504 μs / 1 rq | ☰ Timeline

Composer\Autoload\includeFile		169
Composer\Autoload\includeFile@1		119
compile::composer/autoload_static.php		1
Composer\Autoload\includeFile@2		55
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
Container63oWWZa\App_KernelProdContainer::load		14
Composer\Autoload\includeFile@3		29
composerRequire11698e7f2d7c7e6815cb773729007093		14
compile::Entity/BasicEntityPersister.php		1
compile::Platforms/AbstractPlatform.php		1
compile::http-foundation/Request.php		1
Container63oWWZa\App_KernelProdContainer::load@1		8
compile::Assert/Functions.php		1
compile::ORM/UnitOfWork.php		1
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do		2
compile::Mapping/ClassMetadataInfo.php		1
Doctrine\ORM\EntityManager::__construct		1
...pKernel\EventListener\AbstractSessionListener::onKernelResponse		1
App\Controller\TaskController::toggleTaskAction		1
Composer\Autoload\ClassLoader::loadClass		170
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load		1
compile::Annotations/DocParser.php		1
compile::Container63oWWZa/App_KernelProdContainer.php		1
Symfony\Component\HttpFoundation\ResponseHeaderBag::set		9
spl_autoload_call		171
Composer\Autoload\ClassLoader::loadClass@1		119
spl_autoload_call@4		13
Symfony\Bundle\FrameworkBundle\Routing\Router::matchRequest		2
Doctrine\ORM\Internal\Hydration\SimpleObjectHydrator::hydrateAll		1

1.3.8 /tasks/{id}/delete

302 GET http://localhost/tasks/46/delete

Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php ⊗ ⚠ | ↦ 0 rq | ⏱ 168 ms | ↑↓ 20.6 ms | ◈ 148 ms | ▭ 13 MB | ⬚ 1.5 kB | ⊕ 0 µs / 0 rq | ⊟ 3.2 ms / 3 rq | ⌇ Timeline

Composer\Autoload\includeFile		189
Composer\Autoload\includeFile@1		129
Composer\Autoload\includeFile@2		57
...pile::Container63oWWZa/get_ServiceLocator_Uix2tkPService.php		1
compile::composer/autoload_static.php		1
Container63oWWZa\App_KernelProdContainer::load		22
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
PDO::commit		1
Composer\Autoload\includeFile@3		29
composerRequire11698e7f2d7c7e6815cb773729007093		14
compile::ORM/UnitOfWork.php		1
...pKernel\EventListener\AbstractSessionListener::onKernelResponse		1
compile::Mapping/ClassMetadataInfo.php		1
compile::Platforms/AbstractPlatform.php		1
Container63oWWZa\App_KernelProdContainer::load@1		8
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do		2
compile::Assert/Functions.php		1
compile::http-foundation/Request.php		1
compile::Entity/BasicEntityPersister.php		1
...e\ORM\Internal\Hydration\SimpleObjectHydrator::hydrateRowData		2
...onent\HttpKernel\EventListener\RouterListener::onKernelRequest		1
PDOStatement::execute(...)		1
compile::http-kernel/Kernel.php		1
Symfony\Component\Dotenv\Dotenv::lexVarname		8
Composer\Autoload\includeFile@4		13
Doctrine\ORM\UnitOfWork::commit		1
...ponent\HttpFoundation\ResponseHeaderBag::parseCacheControl		11
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::getSelectSQL		2
...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor		25

1.3.9 /users

200 GET http://localhost/users
Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php ⊗ ⚠ | ↳ 0 rq ⏱ 328 ms ↕ 35.3 ms ◈ 293 ms 🖥 16.2 MB 🗄 1.87 kB 🌐 0 μs / 0 rq 🗄 2.02 ms / 2 rq ⇋ Timeline
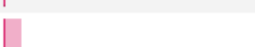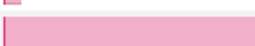
Composer\Autoload\includeFile	275
Composer\Autoload\includeFile@1	145
compile::Expression/FilterExpression.php	1
Composer\Autoload\includeFile@2	59
Container63oWWZa\App_KernelProdContainer::load	21
{closure}::event-dispatcher/EventDispatcher.php/265-271	21
compile::composer/autoload_static.php	1
Twig\ExtensionSet::initExtension	17
base.html.twig::doDisplay	1
Twig\Lexer::tokenize	1
Composer\Autoload\includeFile@3	29
Container63oWWZa\App_KernelProdContainer::load@1	9
compile::Assert/Functions.php	1
Twig\NodeTraverser::traverseForVisitor@10	51
Composer\Autoload\ClassLoader::loadClass	276
Twig\NodeTraverser::traverseForVisitor@13	52
composerRequire11698e7f2d7c7e6815cb773729007093	14
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do	2
compile::ORM/UnitOfWork.php	1
compile::Mapping/ClassMetadataInfo.php	1
Twig\Node\Expression\FilterExpression::compileArguments	5
...e\ORM\Internal\Hydration\SimpleObjectHydrator::hydrateRowData	7
Twig\Environment::loadTemplate	2
compile::Entity/BasicEntityPersister.php	1
Twig\Lexer::lexExpression	49
Doctrine\ORM\EntityManager::__construct	1
...onent\HttpKernel\EventListener\RouterListener::onKernelRequest	1
Twig\ExpressionParser::parsePrimaryExpression	9
spl_autoload_call	277

1.3.10   /users/create

302 POST http://localhost/users/create
Created 3 hours ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php ⊗ ⚠ ↪ 0 rq   ⏱ 1.39 s   ↕ 384 ms   ◈ 1 s   ▭ 19 MB   🖵 1.51 kB   🌐 0 µs / 0 rq   🗄 3.18 ms / 3 rq   ⚌ Timeline

password_hash		1
Composer\Autoload\includeFile		339
Symfony\Component\Cache\Adapter\PhpFilesAdapter::doFetch		62
compile::T/F6QHemCnUZiGhTpS9peg		1
fopen(…)		24
Composer\Autoload\includeFile@1		195
compile::0/R1 VzWkn40UT651YFRuA		1
compile::1/NyhupOgl1PHgcEaru1dA		1
Container63oWWZa\App_KernelProdContainer::load		31
compile::Event/SubmitEvent.php		1
compile::F/k9fi0jUKeg yVgCUPj9w		1
compile::Util/XmlUtils.php		1
compile::R/gA8DI6ZT706JkMURumvw		1
compile::Y/q5-XsjTepDRTOTxXDfBA		1
mkdir		43
compile::P/MsFcbUsflht58blkjjEw		1
Container63oWWZa\App_KernelProdContainer::load@1		15
Composer\Autoload\includeFile@2		69
Symfony\Component\PropertyInfo\PropertyInfoExtractor::extract		21
…\Validator\Mapping\Loader\PropertyInfoLoader::loadClassMetadata		3
Symfony\Component\VarExporter\VarExporter::export		35
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
run_init::vendor/autoload_runtime.php		1
Symfony\Component\HttpKernel\HttpKernel::handleRaw		1
Symfony\Component\Cache\Adapter\PhpFilesAdapter::write		48
Doctrine\Common\Annotations\PsrCachedReader::fetchFromCache		31
Doctrine\Common\Annotations\DocParser::parse		27
Symfony\Component\Form\FormBuilder::getForm		1
Symfony\Component\Cache\Adapter\PhpFilesAdapter::getFile		110
…ent\PasswordHasher\Hasher\UserPasswordHasher::hashPassword		1

1.3.11   /users/{id}/edit

200 GET http://localhost/users/31/edit

Created 1 minute ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php ⊗ ⚠ | ↦ 0 rq ⏱ 305 ms ↕ 64.1 ms ◈ 241 ms ▤ 18 MB 🖵 1.35 kB 🌐 0 μs / 0 rq 🗄 1.08 ms / 2 rq ☲ Timeline

Composer\Autoload\includeFile		219
Composer\Autoload\includeFile@1		138
Container63oWWZa\App_KernelProdContainer::load		21
Composer\Autoload\includeFile@2		57
compile::composer/autoload_static.php		1
{closure}::event-dispatcher/EventDispatcher.php/265-271		21
Composer\Autoload\includeFile@3		29
compile::ORM/UnitOfWork.php		1
compile::Platforms/AbstractPlatform.php		1
compile::Entity/BasicEntityPersister.php		1
base.html.twig::doDisplay		1
composerRequire11698e7f2d7c7e6815cb773729007093		14
Symfony\Bundle\FrameworkBundle\Routing\Router::generate		10
Container63oWWZa\App_KernelProdContainer::load@1		9
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do		2
Composer\Autoload\ClassLoader::loadClass		220
compile::http-foundation/Request.php		1
...mponent\HttpKernel\Controller\ArgumentResolver::getArguments		1
Doctrine\ORM\EntityManager::__construct		1
compile::Mapping/ClassMetadataInfo.php		1
...onent\HttpKernel\EventListener\RouterListener::onKernelRequest		1
run_init::vendor/autoload_runtime.php		1
...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor		20
twig_get_attribute		32
Symfony\Component\Cache\Adapter\PhpFilesAdapter::__destruct		2
...pKernel\EventListener\AbstractSessionListener::onKernelResponse		1
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load		1
compile::Assert/Functions.php		1
spl_autoload_call		221

| Name	Count
password_hash	1
Composer\Autoload\includeFile	325
Composer\Autoload\includeFile@1	196
Container63oWWZa\App_KernelProdContainer::load	31
compile::2/MgRZK0NeW10Yb-zRz4ig	1
compile::Event/SubmitEvent.php	1
compile::N/erKbIcfEidrxJUaxNdAQ	1
compile::Constraints/Email.php	1
Composer\Autoload\includeFile@2	69
Container63oWWZa\App_KernelProdContainer::load@1	15
Symfony\Component\Form\FormBuilder::getForm	1
{closure}::event-dispatcher/EventDispatcher.php/265-271	21
compile::J/xRRaAYejS802QpMmILsA	1
compile::composer/autoload_static.php	1
run_init::vendor/autoload_runtime.php	1
Symfony\Component\Form\ResolvedFormType::createBuilder	9
Symfony\Component\HttpKernel\HttpKernel::handleRaw	1
Symfony\Component\Cache\Adapter\PhpFilesAdapter::doFetch	11
Symfony\Component\Form\FormFactory::createNamedBuilder	9
PDO::commit	1
...ent\PasswordHasher\Hasher\UserPasswordHasher::hashPassword	1
...onent\Validator\Validator\RecursiveContextualValidator::validate@1	5
...serAutoloaderInit11698e7f2d7c7e6815cb773729007093::getLoader	1
...alidator\Validator\RecursiveContextualValidator::validateInGroup@1	7
compile::ORM/UnitOfWork.php	1
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load	2
{closure}::EventListener/AbstractSessionListener.php/72-89	1
Symfony\Component\Form\Form::submit@1	4
...dator\Validator\RecursiveContextualValidator::validateClassNode@1	1

2   Audit de qualité de code

2.1   Aperçu général

Codacy ne permet pas de réaliser des graphiques montrant l'évolution de la qualité de code sur plus de 3 mois.
Le projet ayant été commencé il y a plus de 3 mois, ce type de graphique ne pourra pas être généré par cet outil.

Néanmoins, en comparant le commit réalisé le 22 avril avec le commit du 3 Août, on peut constater une nette amélioration général de la qualité du code (Codacy ne remontant aucune erreur sur le dernier commit).
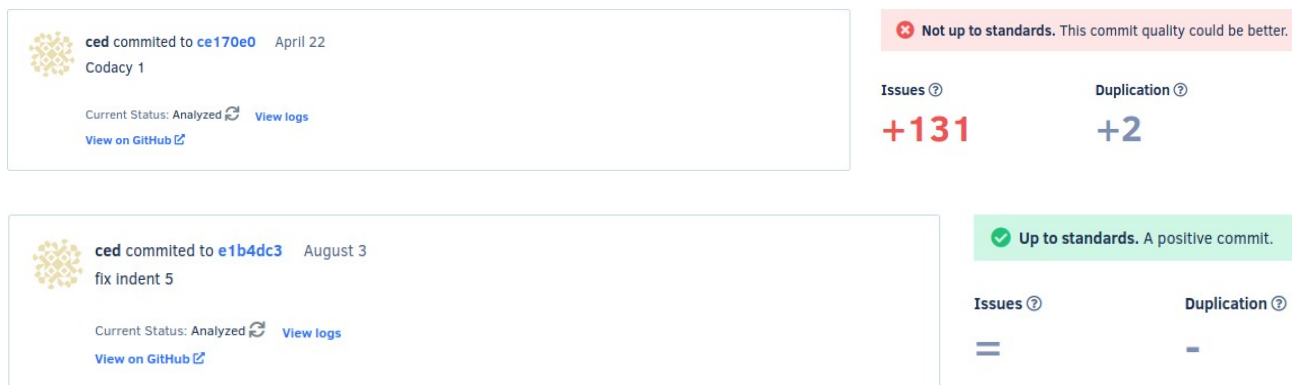
2.2   Quelques exemples de remontés de Codacy.

Beaucoup des problèmes rencontrés concernaient des problèmes de styles, de variables non utilisées ou encore de bonnes pratiques au niveau sécurité.

<u>Problèmes de sytle :</u>

<u>Problèmes de variables non utilisés :</u>

Problèmes de bonnes pratiques au niveau de la sécurité :

3   Proposition d'améliorations

3.1   Outils d'intégration continue

Actuellement tous les tests de qualités sont lancés manuellement.

Il existe des solutions pour que ces tests soient lancés automatiquement avant un évenement tel que, par exemple, la fusion de branches.

Ces outils sont nombreux et couvre un panel large de possibilités. Ci-dessous un echantillon d'outils d'intégration continue :

- Travis

- Jenkins

- Gitlab CI

- Appveyor

- Circle CI

- Bamboo

- Codeship

Je recommande fortement de mettre en place des outils d'intrégration continue dans le cadre du développement de l'application ToDo

3.2   Solution pour gagner en performance

Dans l'audit de performance, on peut constater que l'autoloader de composer impacte de façon importante les perforances de l'application.

L'autoloader de composer doit vérifier les fichiers pour résoudre le nom des classes. Cela est pratique en environnement de développement puisque lorsque l'on ajoute une nouvelle classe, elle peut être immédiatement découverte/utilisée sans avoir à reconstruire la configuration.

Bien que pratique, cela engendre une perte de performance qui est problèmatique en environnement de production.

Pour dé-activer cette vérification et créer un mappage de classe « statique », il est possible d'utiliser cette commande :

```
composer dumpautoload -o
```

Attention, cette configation doit être activé uniquement en production et non dans un environnemnet de développement.

Pour revenir à l'état initial :

```
composer update
```

Le gain de performance peut être significatif. Par exemple, une requête sur sur le chemin « /tasks/{id}/edit » les gains de temps peuvent être superieur à 60 %