

Candidate: Quan Ha Le

Unit Test by Kahan was done as below

```
[root@ip-172-31-95-82 Symfony4]# mkdir spec
```

```
[root@ip-172-31-95-82 Symfony4]# mkdir spec/Controller
```

```
[root@ip-172-31-95-82 Symfony4]# vi spec/Controller/ProductControllerSpec.php
```

```
-----
```

```
<?php // spec/Controller/ProductControllerSpec.php
```

```
namespace App\Spec\Controller;
```

```
describe('ProductController', function () {
```

```
    describe('/product/all', function () {
```

```
        it('list all products', function () {
```

```
            $request = $this->request->create('/product/all', 'GET');
```

```
            $response = $this->kernel->handle($request);
```

```
            expect(function () use ($response) {
```

```
                $response->send();
```

```
            })->not->toBeNull();
```

```
        });
```

```
});
```

```
describe('/product/entry/1', function () {
```

```
    it('list all products', function () {
```

```
        $request = $this->request->create('/product/all', 'GET');
```

```
        $response = $this->kernel->handle($request);
```

```
        expect(function () use ($response) {
```

```
            $response->send();
```

```
        })->not->toBeNull();
```

```
    });
```

```
});
```

```
describe('/product/entry/2', function () {
```

```
    it('list all products', function () {
```

```
        $request = $this->request->create('/product/all', 'GET');
```

```
        $response = $this->kernel->handle($request);
```

```
        expect(function () use ($response) {
```

```
            $response->send();
```

```
        })->not->toBeNull();
```

```
});
```

```
});
```

```
describe('/product/entry/3', function () {
```

```
    it('list all products', function () {
```

```
        $request = $this->request->create('/product/all', 'GET');
```

```
        $response = $this->kernel->handle($request);
```

```
        expect(function () use ($response) {
```

```
            $response->send();
```

```
        })->not->toBeNull();
```

```
    });
```

```
});
```

```
describe('/product/entry/4', function () {
```

```
    it('list all products', function () {
```

```
        $request = $this->request->create('/product/all', 'GET');
```

```
        $response = $this->kernel->handle($request);
```

```
        expect(function () use ($response) {
```

```
            $response->send();
```

```
        })->not->toBeNull();
```

```
});
```

```
});
```

```
});
```

```
?>
```

```
-----
```

```
[root@ip-172-31-95-82 Symfony4]# vi spec/Controller/CategoryControllerSpec.php
```

```
-----
```

```
<?php // spec/Controller/CategoryControllerSpec.php
```

```
namespace App\Spec\Controller;
```

```
describe('CategoryController', function () {
```

```
    describe('/category/all', function () {
```

```
        it('list all categories', function () {
```

```
            $request = $this->request->create('/category/all', 'GET');
```

```
            $response = $this->kernel->handle($request);
```

```
            expect(function () use ($response) {
```

```
                $response->send();
```

```
            })->not->toBeNull();
```

```
});
```

```
});
```

```
});
```

```
?>
```

```
[root@ip-172-31-95-82 Symfony4]# ./bin/console server:stop
```

```
[OK] Stopped the web server.
```

```
[root@ip-172-31-95-82 Symfony4]# ./bin/console server:start
```

```
[OK] Server listening on http://127.0.0.1:8000
```

```
[root@ip-172-31-95-82 Symfony4]# ./vendor/bin/kahlan
```

```
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```

The PHP Test Framework for Freedom, Truth and Justice.

src directory : /tmp/gitdeploy/Symfony4/src

spec directory : /tmp/gitdeploy/Symfony4/spec

..... 6 / 6 (100%)

Expectations : 6 Executed

Specifications : 0 Pending, 0 Excluded, 0 Skipped

Passed 6 of 6 PASS in 0.093 seconds (using 10MB)