

Pràctica 1: Test bàsic a Laravel amb PHP Unit

```
bash-4.4# composer create-project laravel/laravel --prefer-dist phpunit-tests
Do not run Composer as root/super user! See https://getcomposer.org/root for details
Warning from https://repo.packagist.org: You are using an outdated version of Composer. Composer 2 is now available and you should upgrade. See https://getcomposer.org/2
Installing laravel/laravel (v8.5.11)
- Installing laravel/laravel (v8.5.11): Downloading (100%)
Created project in phpunit-tests
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Warning from https://repo.packagist.org: You are using an outdated version of Composer. Composer 2 is now available and you should upgrade. See https://getcomposer.org/2
Updating dependencies (including require-dev)
```

```
eric@eric-VirtualBox: ~/Escritorio/DAW/phpunit
Archivo Editar Ver Buscar Terminal Ayuda
You'll want this if your PHP install doesn't already support readline or libedit.
)
filp/whoops suggests installing whoops/soap (Formats errors as SOAP responses)
facade/ignition suggests installing laravel/telescope (^3.1)
sebastian/global-state suggests installing ext-uopz (*)
phpunit/php-invoker suggests installing ext-pcntl (*)
phpunit/php-code-coverage suggests installing ext-pcov (*)
phpunit/php-code-coverage suggests installing ext-xdebug (*)
phpunit/phpunit suggests installing ext-xdebug (*)
Writing lock file
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/sail
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
> @php artisan key:generate --ansi
Application key set successfully.
bash-4.4#
```

```
eric@eric-VirtualBox: ~/Escritorio/DAW/phpunit
Archivo Editar Ver Buscar Terminal Ayuda
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/sail
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
> @php artisan key:generate --ansi
Application key set successfully.
bash-4.4# ls
phpunit-tests
bash-4.4# cd phpunit-tests/
bash-4.4# ls
README.md      composer.lock  public          tests
app            config         resources       vendor
artisan        database       routes          webpack.mix.js
bootstrap     package.json  server.php
composer.json  phpunit.xml   storage
bash-4.4# php artisan make:test BasicTest
Test created successfully.
bash-4.4#
```

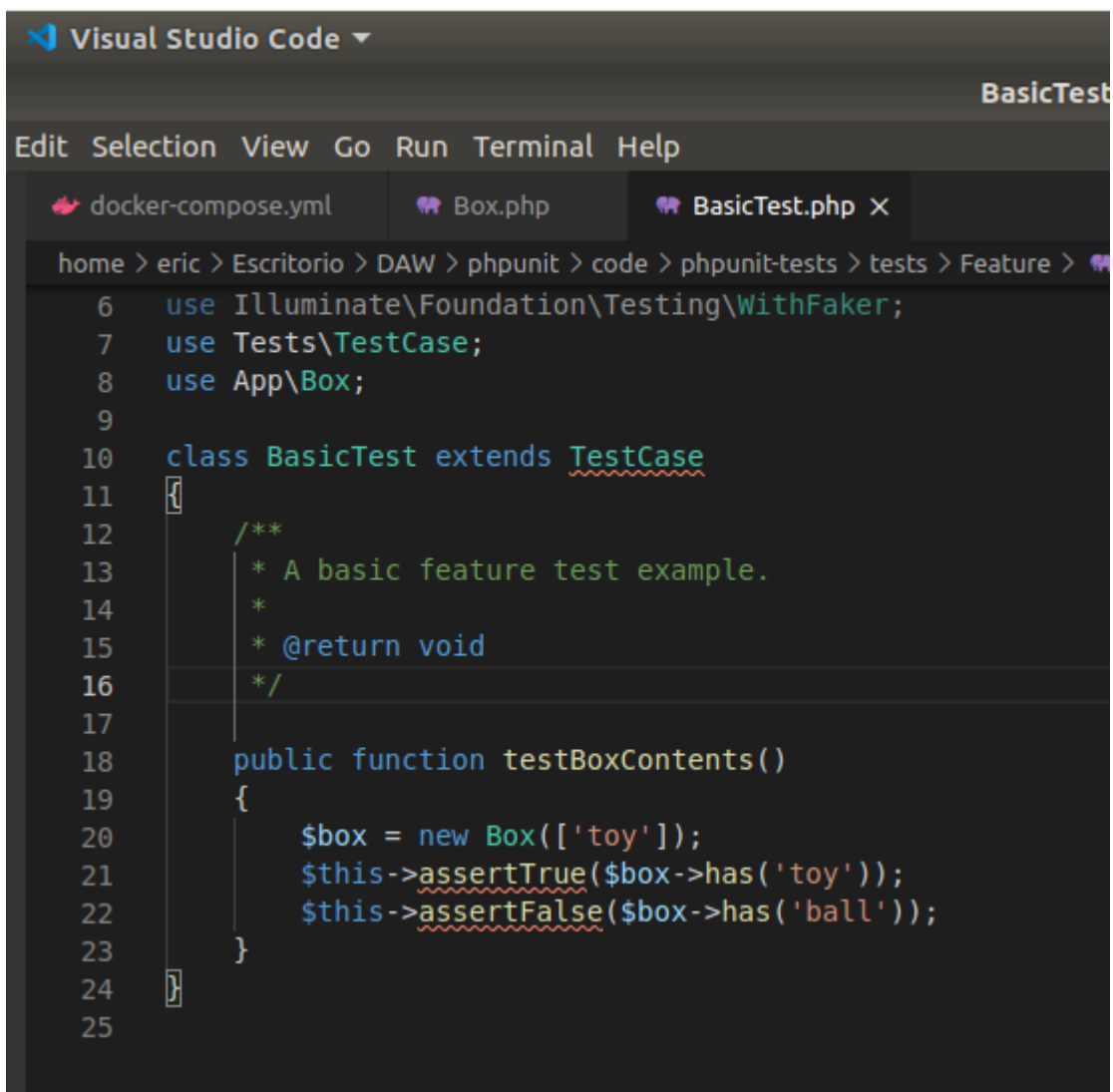
```
artisan        database       routes          webpack.mix.js
bootstrap     package.json  server.php
composer.json  phpunit.xml   storage
bash-4.4# phpunit
bash: phpunit: command not found
bash-4.4# ./vendor/bin/phpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

...
3 / 3 (100%)

Time: 00:00.243, Memory: 20.00 MB

OK (3 tests, 3 assertions)
bash-4.4#
```

```
bash-4.4# php artisan make:test ../../app/Box
Test created successfully.
bash-4.4#
```



The screenshot shows the Visual Studio Code editor interface. The title bar at the top reads "Visual Studio Code". The menu bar includes "Edit", "Selection", "View", "Go", "Run", "Terminal", and "Help". The Explorer sidebar on the left shows the file structure: "home > eric > Escritorio > DAW > phpunit > code > phpunit-tests > tests > Feature". The Editor pane displays the "BasicTest.php" file. The code is as follows:

```
6 use Illuminate\Foundation\Testing\WithFaker;
7 use Tests\TestCase;
8 use App\Box;
9
10 class BasicTest extends TestCase
11 {
12     /**
13      * A basic feature test example.
14      *
15      * @return void
16      */
17
18     public function testBoxContents()
19     {
20         $box = new Box(['toy']);
21         $this->assertTrue($box->has('toy'));
22         $this->assertFalse($box->has('ball'));
23     }
24 }
25
```

```

bash-4.4# ./vendor/bin/phpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

...

Time: 00:00.249, Memory: 20.00 MB

OK (3 tests, 4 assertions)
bash-4.4#

```

```

BasicTest.php - Visual Studio Code
...
class BasicTest extends TestCase
{
    /**
     * A basic feature test example.
     *
     * @return void
     */
    public function testBoxContents()
    {
        $box = new Box(['toy']);
        $this->assertTrue($box->has('toy'));
        $this->assertFalse($box->has('ball'));
    }

    public function testTakeOneFromTheBox()
    {
        $box = new Box(['torch']);
        $this->assertEquals('torch', $box->takeOne());
        // Null, now the box is empty
        $this->assertNull($box->takeOne());
    }
}
...
Time: 00:00.234, Memory: 20.00 MB
OK (4 tests, 5 assertions)
bash-4.4# ./vendor/bin/phpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

...

Time: 00:00.249, Memory: 20.00 MB
OK (3 tests, 4 assertions)
bash-4.4# ./vendor/bin/phpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

....

Time: 00:00.229, Memory: 20.00 MB
OK (4 tests, 6 assertions)
bash-4.4#

```

```

BasicTest.php - Visual Studio Code
...
public function testStartsWithALetter()
{
    $box = new Box(['toy', 'torch', 'ball', 'cat']);
    $results = $box->startsWith('t');

    $this->assertCount(3, $results);
    $this->assertContains('toy', $results);
    $this->assertContains('torch', $results);
    $this->assertContains('tissue', $results);

    // Empty array if passed even
    $this->assertEmpty($box->startsWith('s'));
}
...
Time: 00:00.249, Memory: 20.00 MB
OK (3 tests, 4 assertions)
bash-4.4# ./vendor/bin/phpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

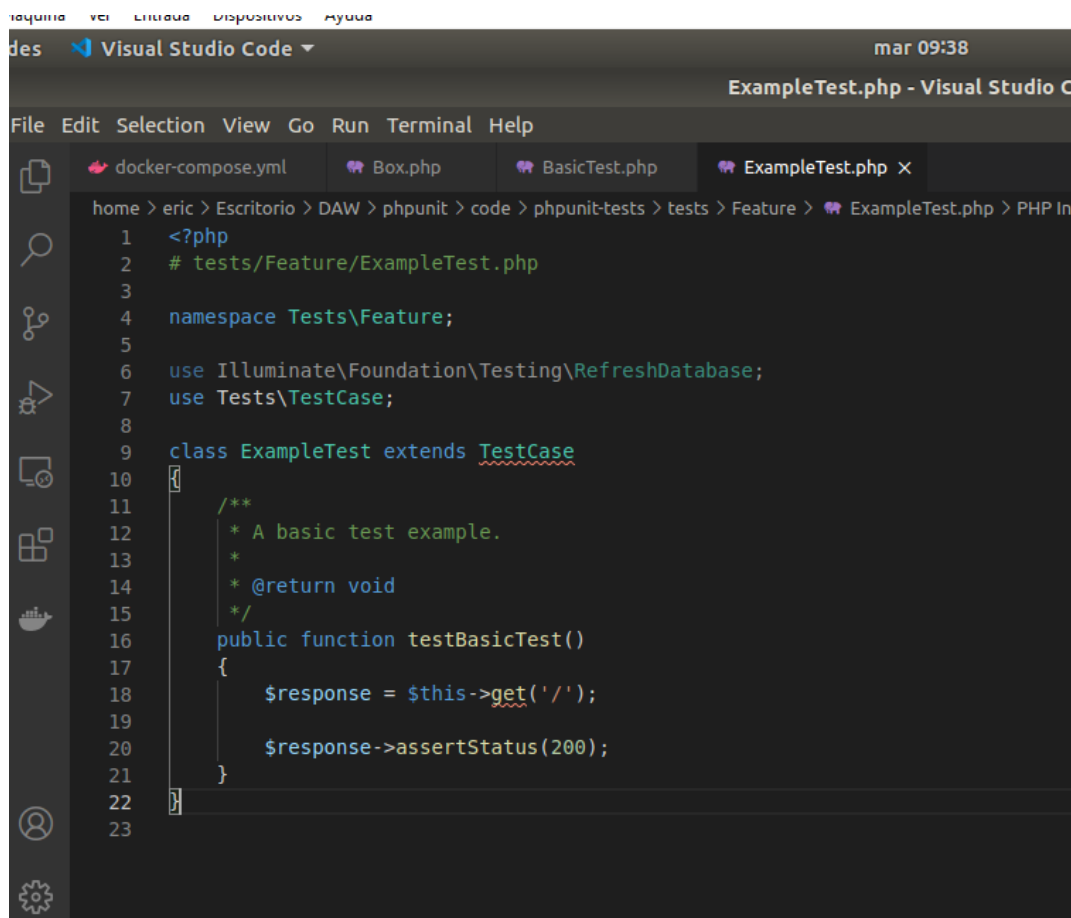
....

Time: 00:00.229, Memory: 20.00 MB
OK (4 tests, 6 assertions)
bash-4.4# ./vendor/bin/phpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

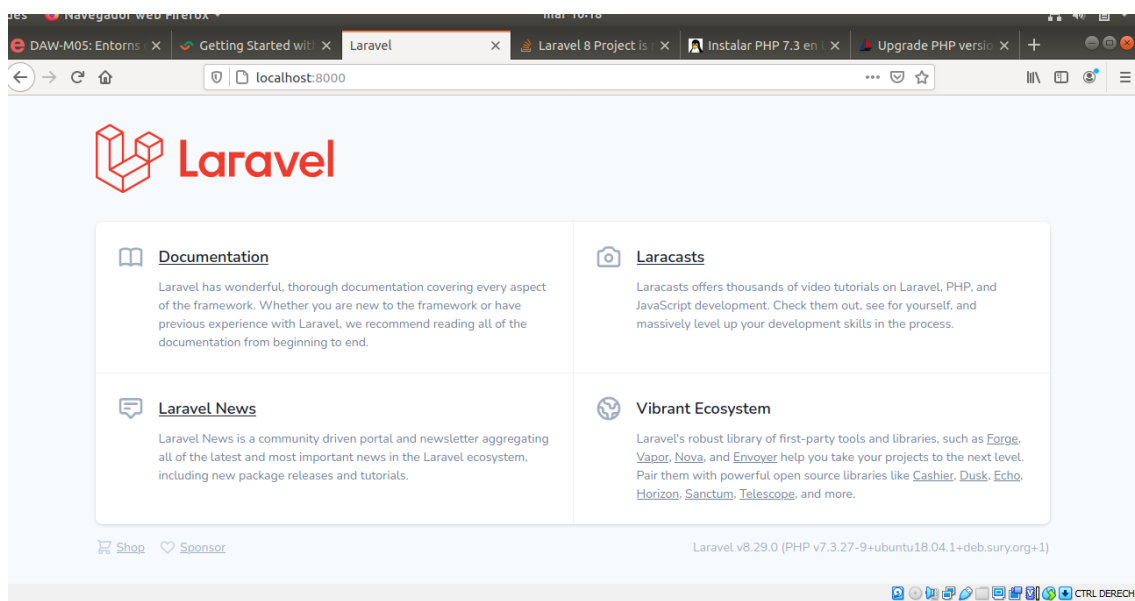
.....

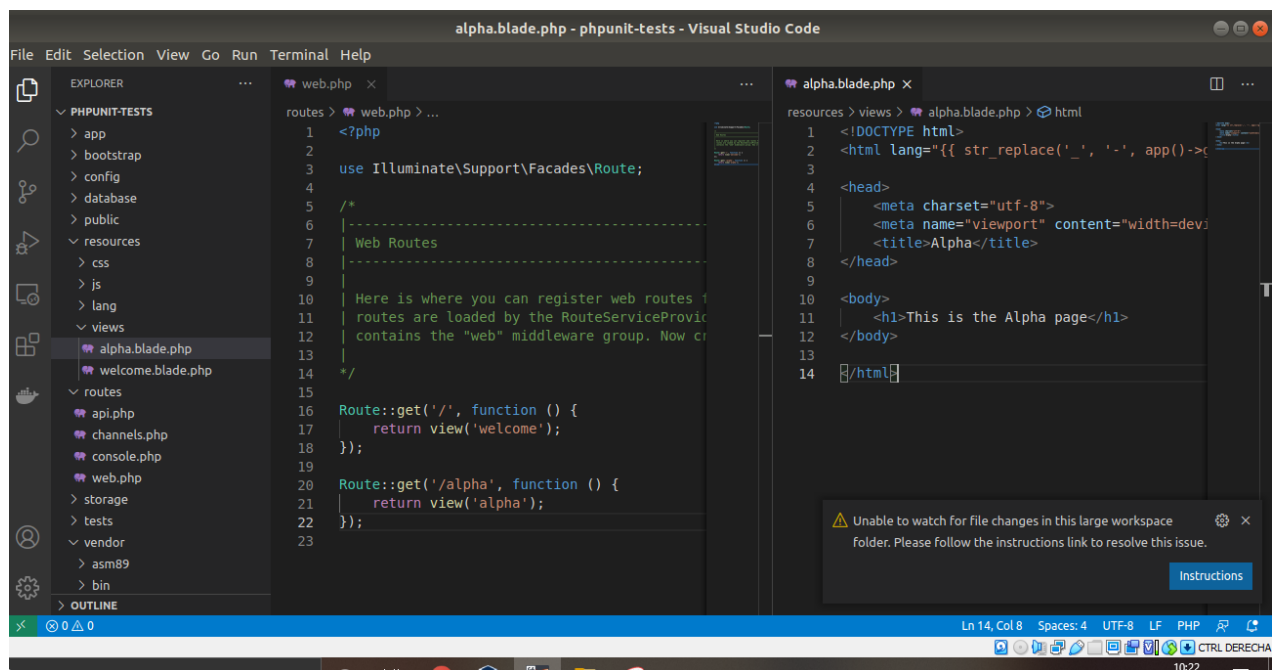
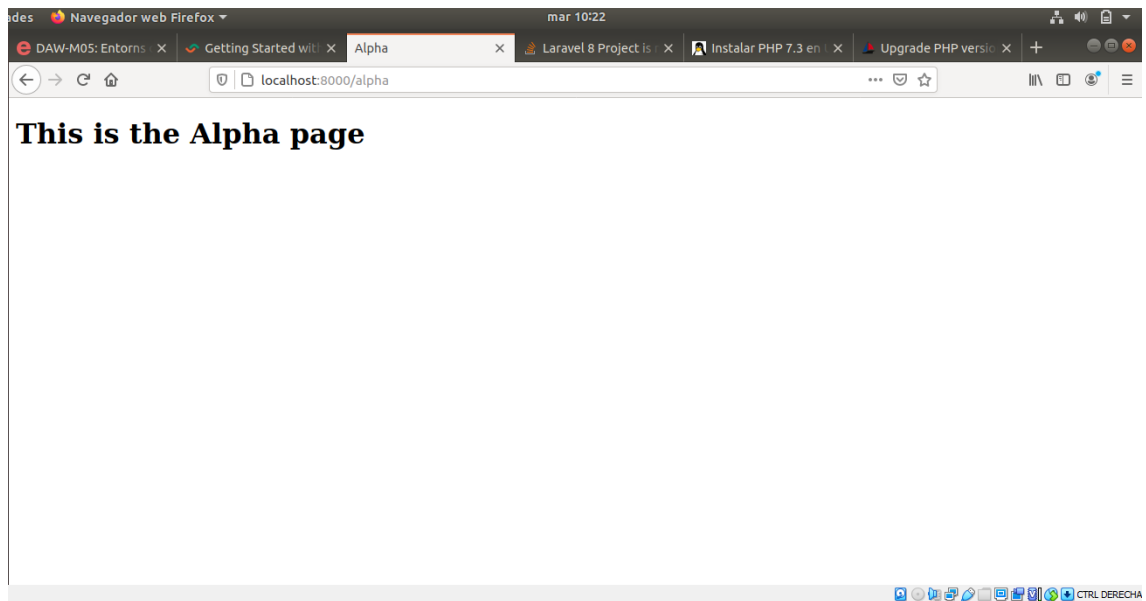
Time: 00:00.266, Memory: 20.00 MB
OK (5 tests, 11 assertions)
bash-4.4#

```



```
1 <?php
2 # tests/Feature/ExampleTest.php
3
4 namespace Tests\Feature;
5
6 use Illuminate\Foundation\Testing\RefreshDatabase;
7 use Tests\TestCase;
8
9 class ExampleTest extends TestCase
10 {
11     /**
12      * A basic test example.
13      *
14      * @return void
15      */
16     public function testBasicTest()
17     {
18         $response = $this->get('/');
19
20         $response->assertStatus(200);
21     }
22 }
23
```





```
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$ php artisan
ke:test AlphaTest
Test created successfully.
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$
```

```
AlphaTest.php - PHPUnit Tests - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER
  PHPUNIT-TESTS
    > app
    > bootstrap
    > config
    > database
    > public
    > resources
      > css
      > js
      > lang
      > views
    > routes
      > api.php
      > channels.php
      > console.php
      > web.php
    > storage
    > tests
      > Feature
        > AlphaTest.php
        > BasicTest.php

AlphaTest.php
6 use Illuminate\Foundation\Testing\WithFaker;
7 use Tests\TestCase;
8
9 class AlphaTest extends TestCase
10 {
11     /**
12      * A basic feature test example.
13      *
14      * @return void
15      */
16     public function test_example()
17     {
18         $response = $this->get('/');
19
20         $response->assertStatus(200);
21     }
22
23     public function testExample()
24     {
25         $response = $this->get('/alpha');
26
27         $response->assertStatus(200);
28         $response->assertSee('Alpha');
29         $response->assertDontSee('Beta');
30     }
31 }
```

```
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$ ./vendor/bin/p
hpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

.....
7 / 7 (100%)

Time: 00:00.494, Memory: 20.00 MB

OK (7 tests, 15 assertions)
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$
```

```
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$ php artisan make:test BetaTest
Test created successfully.
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$
```

```
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$ ./vendor/bin/phpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

.....F.                                                    9 / 9 (100%)

Time: 00:00.338, Memory: 20.00 MB

There was 1 failure:

1) Tests\Feature\BetaTest::testExample
Expected status code 200 but received 404.
Failed asserting that 200 is identical to 404.

/home/eric/Escritorio/DAW/phpunit/code/phpunit-tests/vendor/laravel/framework/src/Illuminate/Testing/TestResponse.php:186
/home/eric/Escritorio/DAW/phpunit/code/phpunit-tests/tests/Feature/BetaTest.php:27

FAILURES!
Tests: 9, Assertions: 17, Failures: 1.
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$
```

```
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$ ./vendor/bin/phpunit
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

.....                                                    9 / 9 (100%)

Time: 00:00.348, Memory: 20.00 MB

OK (9 tests, 19 assertions)
eric@eric-VirtualBox:~/Escritorio/DAW/phpunit/code/phpunit-tests$
```



```
eric@eric-VirtualBox: ~/Escritorio/DAW/phpunit
Archivo Editar Ver Buscar Terminal Ayuda
- Installing php-webdriver/webdriver (1.10.0): Downloading (100%)
- Installing laravel/dusk (v6.13.0): Downloading (100%)
php-webdriver/webdriver suggests installing ext-SimpleXML (For Firefox profile c
reation)
laravel/dusk suggests installing ext-pcntl (Used to gracefully terminate Dusk wh
en tests are running.)
Writing lock file
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/dusk
Discovered Package: laravel/sail
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
bash-4.4# php artisan dusk:install
Dusk scaffolding installed successfully.
Downloading ChromeDriver binaries...
ChromeDriver binaries successfully installed for version 88.0.4324.96.
bash-4.4#
```

```
.env.dusk.local - phpunit-tests - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
  PHPPUNIT-TESTS
    > tjsverkoyen
    > vlucas
    > voku
    > webmozart
    autoload.php
    .editorconfig
    .env
    .env.dusk.local
    .env.example
    .gitattributes
    .gitignore
    .phpunit.result.cache
    .styleci.yml
    artisan
    composer.json
    composer.lock
    package.json
    phpunit.xml
    README.md
    server.php
    webpack.mix.js
  OUTLINE
  web.php
  beta.blade.php
  .env.dusk.local
  AlphaTest.php
  BetaTest.php
  alpha.blade.php
  .env.dusk.local
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:NC6mR17JKLws6rdzZgMXHZ2oNcJ9si0ApTJChBR4A70=
4 APP_DEBUG=true
5 APP_URL=http://localhost:8010
6
7 LOG_CHANNEL=stack
8 LOG_LEVEL=debug
9
10 DB_CONNECTION=mysql
11 DB_HOST=127.0.0.1
12 DB_PORT=3306
13 DB_DATABASE=laravel
14 DB_USERNAME=root
15 DB_PASSWORD=
16
17 BROADCAST_DRIVER=log
18 CACHE_DRIVER=file
19 QUEUE_CONNECTION=sync
20 SESSION_DRIVER=file
21 SESSION_LIFETIME=120
22
23 MEMCACHED_HOST=127.0.0.1
24
25 REDIS_HOST=127.0.0.1
26 REDIS_PASSWORD=null
27 REDIS_PORT=6379
  The Marketplace has extensions that can help with '.local' files
  Search Marketplace Don't Show Again for '.local' Files
```

```

bash-4.4# php artisan dusk
PHPUnit 9.5.2 by Sebastian Bergmann and contributors.

E                                                    1 / 1 (100%)

Time: 00:00.455, Memory: 18.00 MB

There was 1 error:

1) Tests\Browser\ExampleTest::testBasicExample
Facebook\WebDriver\Exception\WebDriverCurlException: Curl error thrown for http POST to /session with params: {"capabilities":{"firstMatch":[{"browserName":"chrome","goog:chromeOptions":{"args":["--window-size=1920,1080","--disable-gpu","--headless"]}}],"desiredCapabilities":{"browserName":"chrome","platform":"ANY","chromeOptions":{"args":["--window-size=1920,1080","--disable-gpu","--headless"]}}}}

Failed to connect to localhost port 9515: Connection refused

/var/www/html/phpunit-tests/vendor/php-webdriver/webdriver/lib/Remote/HttpCommandExecutor.php:332
/var/www/html/phpunit-tests/vendor/php-webdriver/webdriver/lib/Remote/RemoteWebDriver.php:135
/var/www/html/phpunit-tests/tests/DuskTestCase.php:46
/var/www/html/phpunit-tests/vendor/laravel/dusk/src/Concerns/ProvidesBrowser.php:218
/var/www/html/phpunit-tests/vendor/laravel/framework/src/Illuminate/Support/helpers.php:234
/var/www/html/phpunit-tests/vendor/laravel/dusk/src/Concerns/ProvidesBrowser.php:219
/var/www/html/phpunit-tests/vendor/laravel/dusk/src/Concerns/ProvidesBrowser.php:97
/var/www/html/phpunit-tests/vendor/laravel/dusk/src/Concerns/ProvidesBrowser.php:65
/var/www/html/phpunit-tests/tests/Browser/ExampleTest.php:21

ERRORS!
Tests: 1, Assertions: 0, Errors: 1.
bash-4.4#

```

