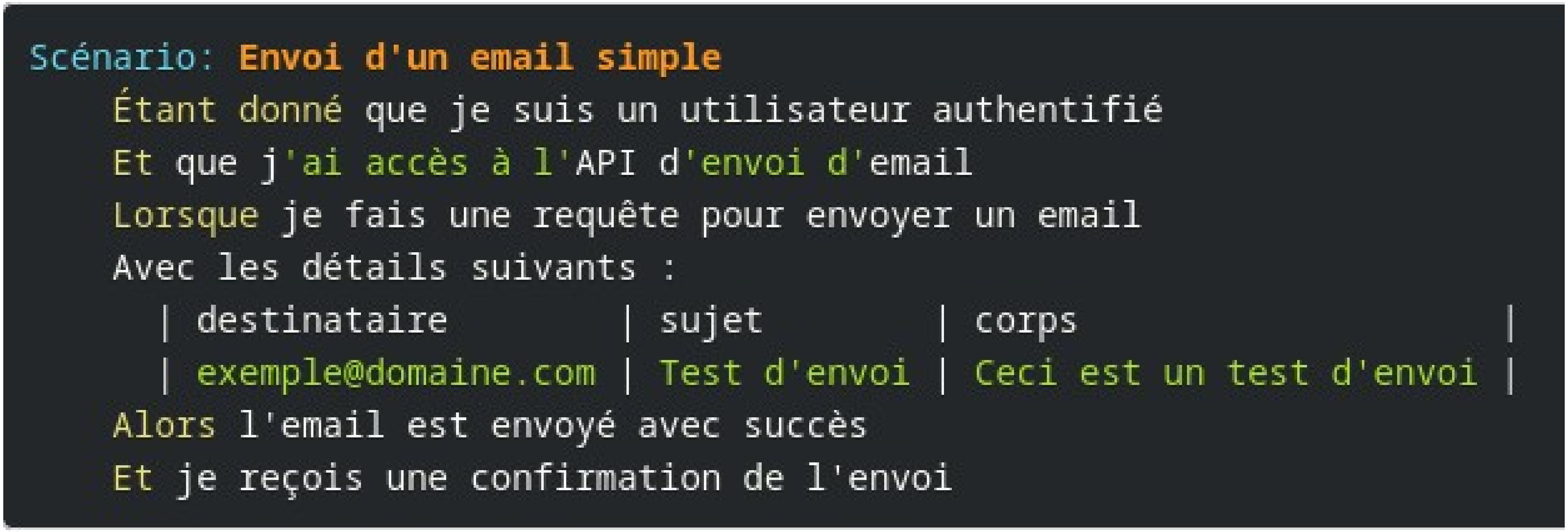
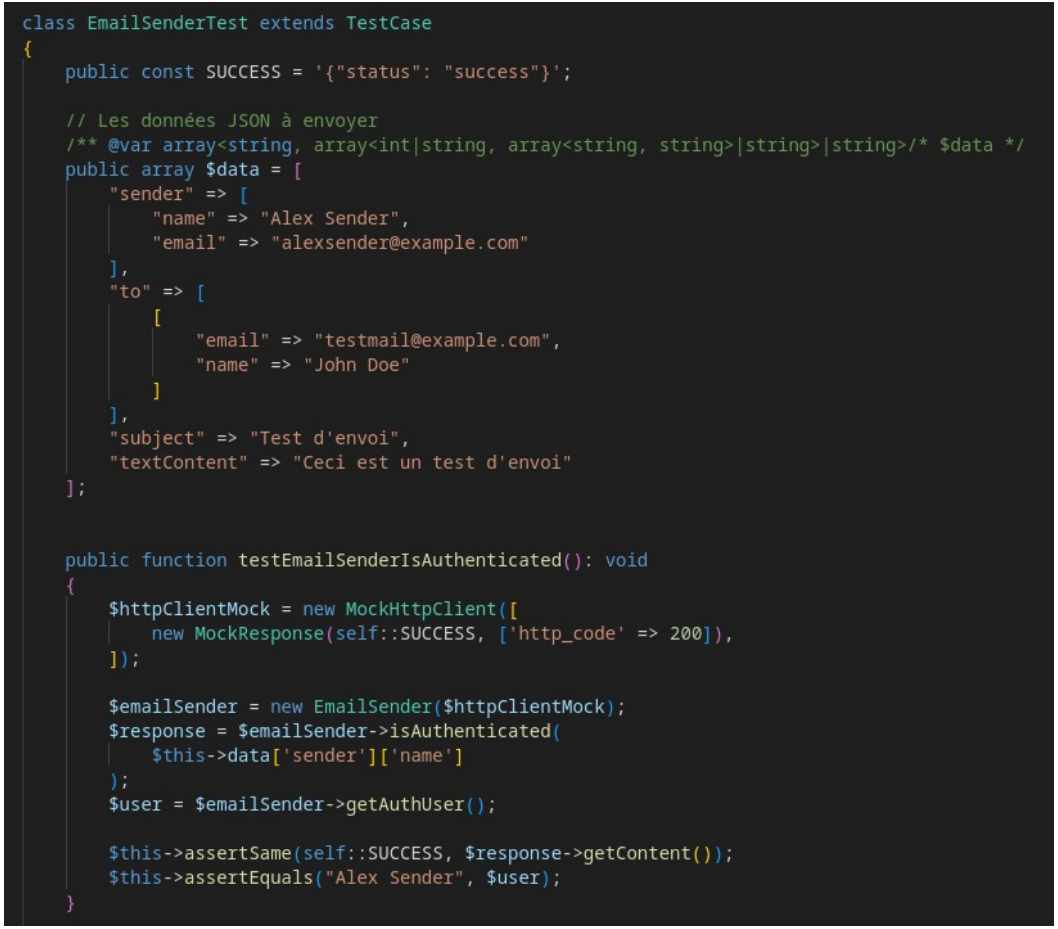
EmailSender

Scénario

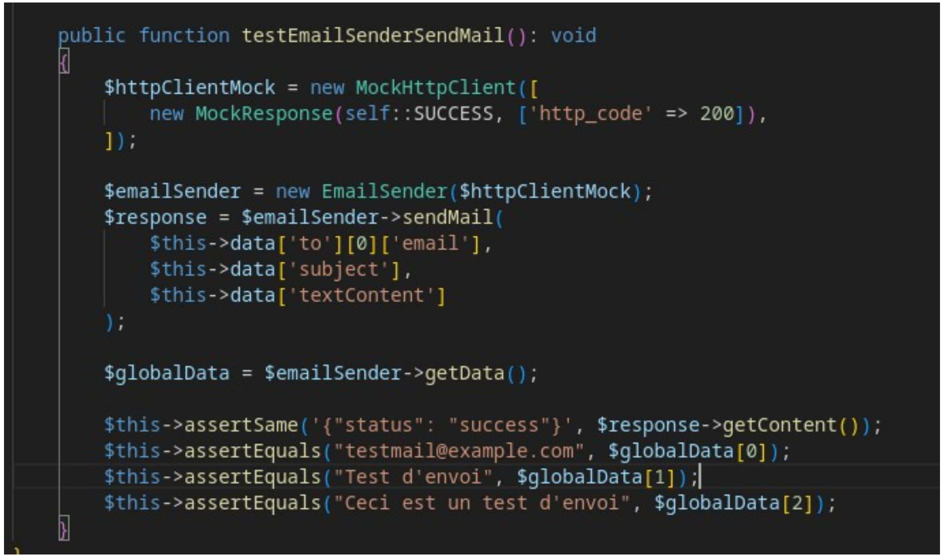


```
Scénario: Envoi d'un email simple
    Étant donné que je suis un utilisateur authentifié
    Et que j'ai accès à l'API d'envoi d'email
    Lorsque je fais une requête pour envoyer un email
    Avec les détails suivants :
      | destinataire        | sujet        | corps                    |
      | exemple@domaine.com | Test d'envoi | Ceci est un test d'envoi |
    Alors l'email est envoyé avec succès
    Et je reçois une confirmation de l'envoi
```

Description des tests

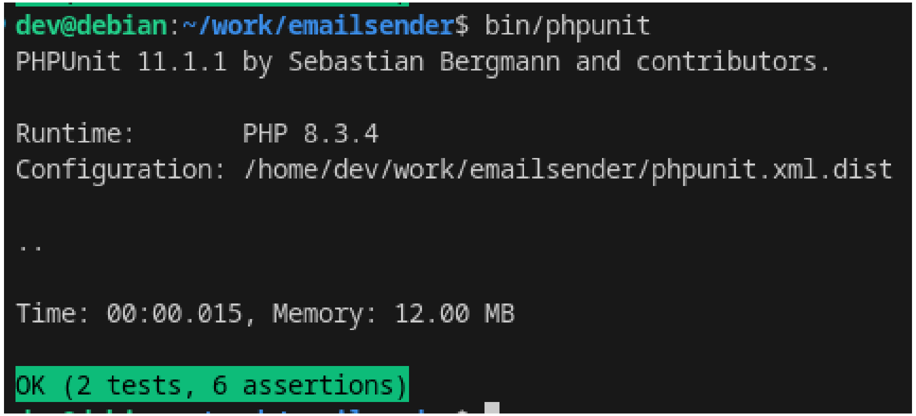


```php
class EmailSenderTest extends TestCase
{
    public const SUCCESS = '{"status": "success"}';

    // Les données JSON à envoyer
    /** @var array<string, array<int|string, array<string, string>|string>|string>/* $data */
    public array $data = [
        "sender" => [
            "name" => "Alex Sender",
            "email" => "alexsender@example.com"
        ],
        "to" => [
            [
                "email" => "testmail@example.com",
                "name" => "John Doe"
            ]
        ],
        "subject" => "Test d'envoi",
        "textContent" => "Ceci est un test d'envoi"
    ];


    public function testEmailSenderIsAuthenticated(): void
    {
        $httpClientMock = new MockHttpClient([
            new MockResponse(self::SUCCESS, ['http_code' => 200]),
        ]);

        $emailSender = new EmailSender($httpClientMock);
        $response = $emailSender->isAuthenticated(
            $this->data['sender']['name']
        );
        $user = $emailSender->getAuthUser();

        $this->assertSame(self::SUCCESS, $response->getContent());
        $this->assertEquals("Alex Sender", $user);
    }
```

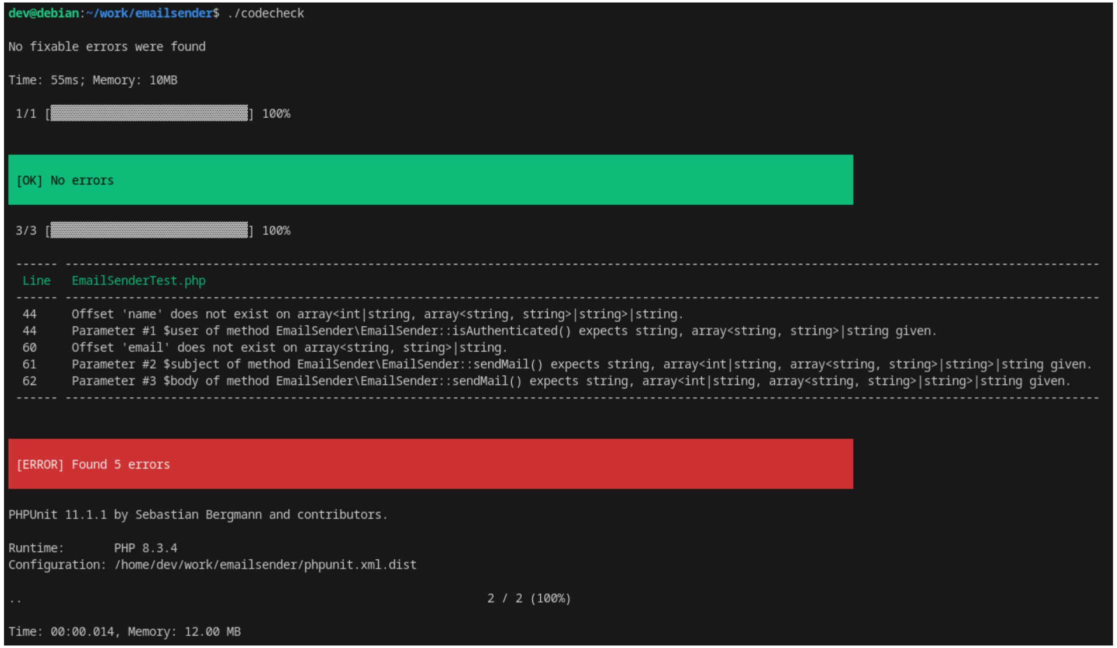


```php
    public function testEmailSenderSendMail(): void
    {
        $httpClientMock = new MockHttpClient([
            new MockResponse(self::SUCCESS, ['http_code' => 200]),
        ]);

        $emailSender = new EmailSender($httpClientMock);
        $response = $emailSender->sendMail(
            $this->data['to'][0]['email'],
            $this->data['subject'],
            $this->data['textContent']
        );

        $globalData = $emailSender->getData();

        $this->assertSame('{"status": "success"}', $response->getContent());
        $this->assertEquals("testmail@example.com", $globalData[0]);
        $this->assertEquals("Test d'envoi", $globalData[1]);
        $this->assertEquals("Ceci est un test d'envoi", $globalData[2]);
    }
```

Résultats des tests

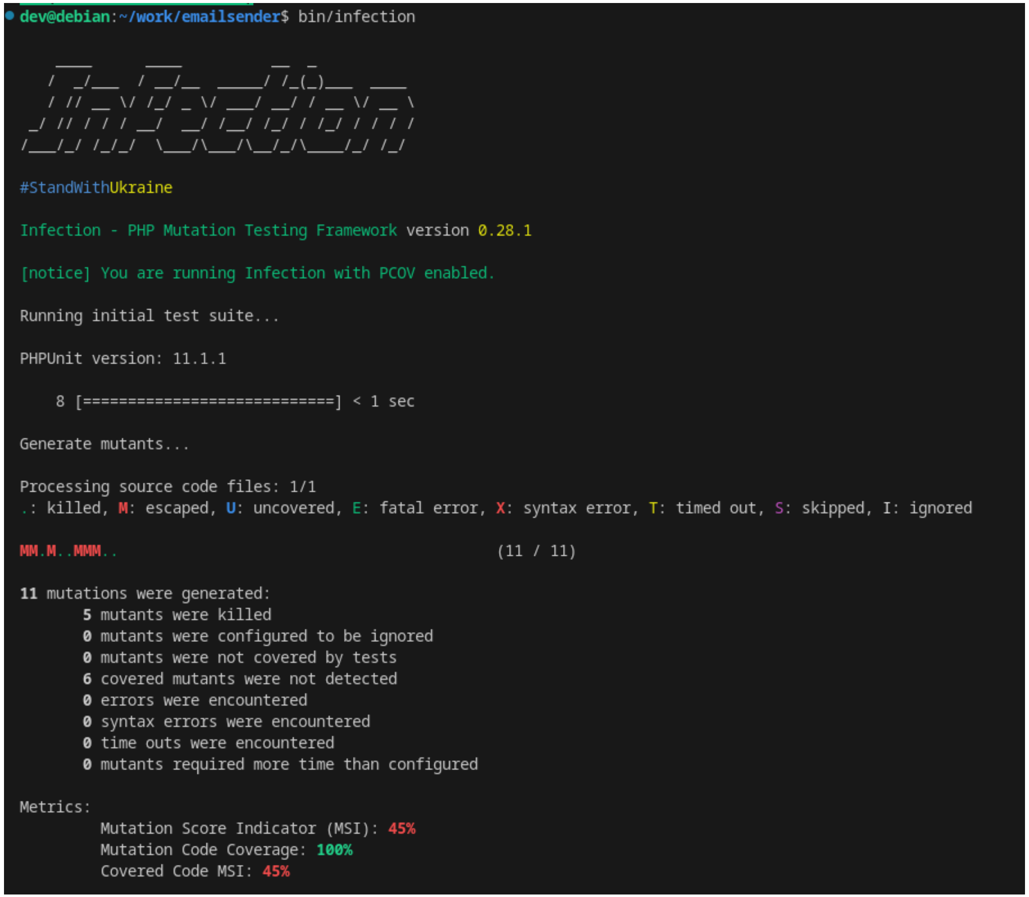


```
dev@debian:~/work/emailsender$ bin/phpunit
PHPUnit 11.1.1 by Sebastian Bergmann and contributors.

Runtime:       PHP 8.3.4
Configuration: /home/dev/work/emailsender/phpunit.xml.dist

..

Time: 00:00.015, Memory: 12.00 MB

OK (2 tests, 6 assertions)
```

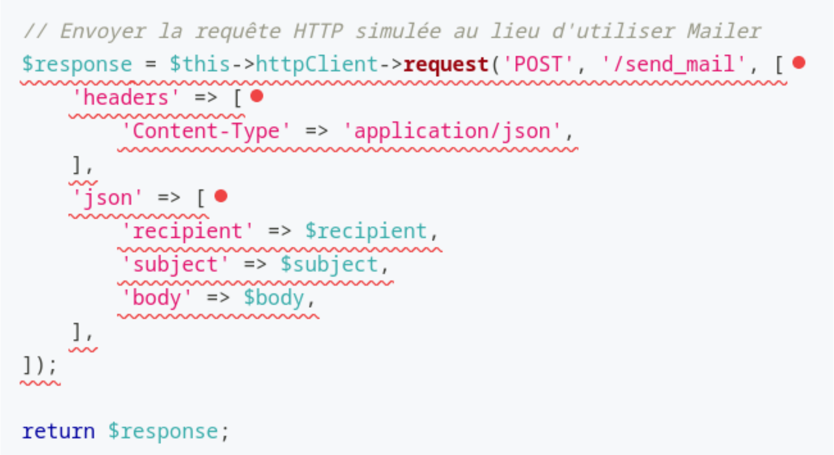


```
dev@debian:~/work/emailsender$ ./codecheck

No fixable errors were found

Time: 55ms; Memory: 10MB

 1/1 [░░░░░░░░░░░░░░░░░░░░░░░░░░░░] 100%

 [OK] No errors

 3/3 [░░░░░░░░░░░░░░░░░░░░░░░░░░░░] 100%

 ------ ---------------------------------------------------------------------------------------------------------------------------------------
  Line   EmailSenderTest.php
 ------ ---------------------------------------------------------------------------------------------------------------------------------------
  44     Offset 'name' does not exist on array<int|string, array<string, string>|string>|string.
  44     Parameter #1 $user of method EmailSender\EmailSender::isAuthenticated() expects string, array<string, string>|string given.
  60     Offset 'email' does not exist on array<string, string>|string.
  61     Parameter #2 $subject of method EmailSender\EmailSender::sendMail() expects string, array<int|string, array<string, string>|string>|string given.
  62     Parameter #3 $body of method EmailSender\EmailSender::sendMail() expects string, array<int|string, array<string, string>|string>|string given.
 ------ ---------------------------------------------------------------------------------------------------------------------------------------


 [ERROR] Found 5 errors

PHPUnit 11.1.1 by Sebastian Bergmann and contributors.

Runtime:       PHP 8.3.4
Configuration: /home/dev/work/emailsender/phpunit.xml.dist

..                                                                  2 / 2 (100%)

Time: 00:00.014, Memory: 12.00 MB
```

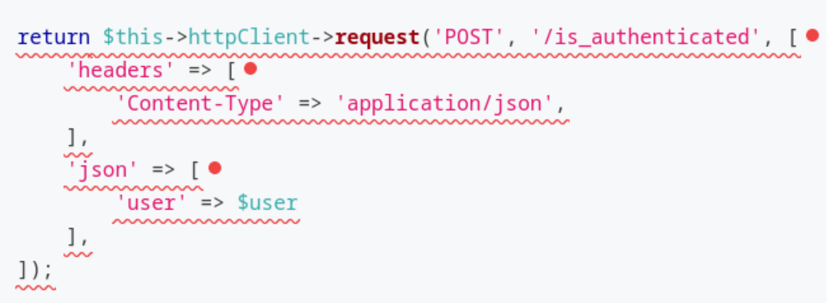
Infection



```
dev@debian:~/work/emailsender$ bin/infection

    ____      ____          __  _
   /  _/___  / __/__  _____/ /_(_)___  ____
   / // __ \/ /_/ _ \/ ___/ __/ / __ \/ __ \
 _/ // / / / __/  __/ /__/ /_/ / /_/ / / / /
/___/_/ /_/_/  \___/\___/\__/_/\____/_/ /_/

#StandWithUkraine

Infection - PHP Mutation Testing Framework version 0.28.1

[notice] You are running Infection with PCOV enabled.

Running initial test suite...

PHPUnit version: 11.1.1

    8 [============================] < 1 sec

Generate mutants...

Processing source code files: 1/1
.: killed, M: escaped, U: uncovered, E: fatal error, X: syntax error, T: timed out, S: skipped, I: ignored

MM.M..MMM..                                          (11 / 11)

11 mutations were generated:
       5 mutants were killed
       0 mutants were configured to be ignored
       0 mutants were not covered by tests
       6 covered mutants were not detected
       0 errors were encountered
       0 syntax errors were encountered
       0 time outs were encountered
       0 mutants required more time than configured

Metrics:
         Mutation Score Indicator (MSI): 45%
         Mutation Code Coverage: 100%
         Covered Code MSI: 45%
```

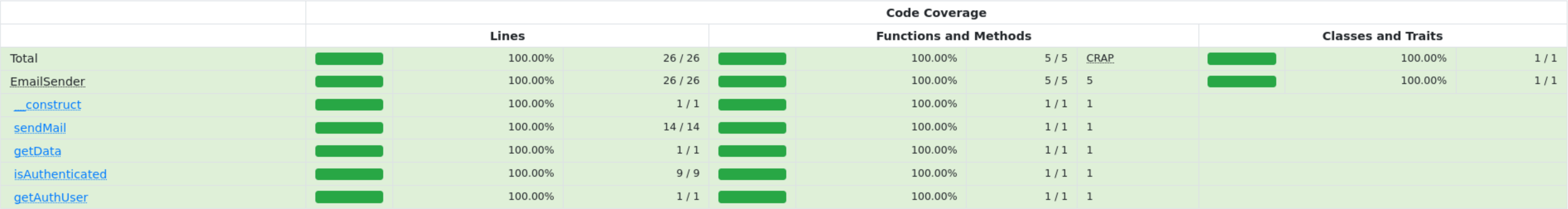


```php
// Envoyer la requête HTTP simulée au lieu d'utiliser Mailer
$response = $this->httpClient->request('POST', '/send_mail', [
    'headers' => [
        'Content-Type' => 'application/json',
    ],
    'json' => [
        'recipient' => $recipient,
        'subject' => $subject,
        'body' => $body,
    ],
]);

return $response;
```



```php
return $this->httpClient->request('POST', '/is_authenticated', [
    'headers' => [
        'Content-Type' => 'application/json',
    ],
    'json' => [
        'user' => $user
    ],
]);
```

Coverage



	Code Coverage									
	Lines			Functions and Methods				Classes and Traits		
Total	🟩	100.00%	26 / 26	🟩	100.00%	5 / 5	CRAP	🟩	100.00%	1 / 1
EmailSender	🟩	100.00%	26 / 26	🟩	100.00%	5 / 5	5	🟩	100.00%	1 / 1
__construct	🟩	100.00%	1 / 1	🟩	100.00%	1 / 1	1			
sendMail	🟩	100.00%	14 / 14	🟩	100.00%	1 / 1	1			
getData	🟩	100.00%	1 / 1	🟩	100.00%	1 / 1	1			
isAuthenticated	🟩	100.00%	9 / 9	🟩	100.00%	1 / 1	1			
getAuthUser	🟩	100.00%	1 / 1	🟩	100.00%	1 / 1	1			