

# Pruebas Unitarias para Registrar Usuarios

- Código de UsersFixture:

```
1 <?php
2 namespace App\Test\Fixture;
3
4 use Cake\TestSuite\Fixture\TestFixture;
5
6 class UsersFixture extends TestFixture
7 {
8
9     public $connection = 'test';
10
11     public $fields = [
12         'id' => ['type' => 'integer'],
13         'username' => ['type' => 'string', 'length' => 64, 'null' => false],
14         'password' => ['type' => 'string', 'length' => 255, 'null' => false],
15         'first_name' => ['type' => 'string', 'length' => 50, 'null' => false],
16         'last_name' => ['type' => 'string', 'length' => 50, 'null' => false],
17         'telephone_number' => ['type' => 'string', 'length' => 50, 'null' => true],
18         'department' => ['type' => 'string', 'length' => 70, 'null' => true],
19         'position' => ['type' => 'string', 'length' => 20, 'null' => true],
20         'state' => ['type' => 'binary', 'null' => true],
21     ];
22     '_constraints' => [
23         'primary' => ['type' => 'primary', 'columns' => ['id']],
24     ];
25     public $records = [
26         [
27             'username' => 'Usuario1',
28             'password' => 'usuario1',
29             'first_name' => 'Usuario1',
30             'last_name' => 'Apellido1',
31             'telephone_number' => '88990099',
32             'department' => 'Educacion',
33             'position' => 'Docente',
34             'state' => '1'
35         ],
36     ];
37 }
38 ?>
```

- Código de UsersTableTest:

```
8 class UsersTableTest extends TestCase
9 {
10     public $Users;
11     public $fixtures = [
12         'app.users'
13     ];
14
15     public function setUp()
16     {
17         parent::setUp();
18         $config = TableRegistry::exists('Users') ? [] : ['className' => 'App\Model\Table\UsersTable'];
19         $this->Users = TableRegistry::get('Users', $config);
20     }
21
22     public function tearDown()
23     {
24         unset($this->Users);
25         parent::tearDown();
26     }
27
28     public function testValidationDefault()
29     {
30         $result = $this->loadFixtures('Users');
31         debug($result);
32     }
33
34     public function testRegistrationConfirmed()
35     {
36         $query = $this->Articles->findByState(1);
37         $this->assertInstanceOf('Cake\ORM\Query', $query);
38         $result = $query->hydrate(false)->toArray();
39         $expected = [
40             ['username' => 'Usuario1', 'password' => 'usuario1',
41              'first_name' => 'Usuario1',
42              'last_name' => 'Apellido1',
43              'telephone_number' => '88990099',
44              'department' => 'Educacion',
45              'position' => 'Docente',
46              'state' => '1'],
47         ];
48         $this->assertEquals($expected, $result);
49     }
50 }
51
```

- Código de UsersController:

```
1 <?php
2 namespace App\Test\TestCase\Controller;
3
4 use App\Controller\UsersController;
5 use Cake\TestSuite\IntegrationTestCase;
6 use Cake\ORM\TableRegistry;
7
8 /**
9  * App\Controller\UsersController Test Case
10 */
11 class UsersControllerTest extends IntegrationTestCase
12 {
13
14
15     public $fixtures = ['app.users'];
16     public $dropTables = false;
17     public function truncate($db) { return null; }
18     public function drop($db) { return null; }
19
20
21     public function testRegistrar()
22     {
23         $data = [
24             'username' => 'prueba1@ucr.ac.cr',
25             'password' => 'prueba1',
26             'first_name' => 'Prueba1',
27             'last_name' => 'Prueba1'
28         ];
29         $this->post('/users/registrar', $data);
30
31         $this->assertResponseSuccess();
32         $users = TableRegistry::get('Users');
33         $query = $users->find();
34         $this->assertEquals(1, $query->count());
35     }
36 }
37
```

- **Resultado de pruebas unitarias de modelo, UsersTableTest:**

```
Símbolo del sistema
C:\xampp\htdocs\PruebasProtea\src\protea_reservations>phpunit tests\TestCase\Model\Table\UsersTableTest.php
PHPUnit 3.7.21 by Sebastian Bergmann.

Configuration read from C:\xampp\htdocs\PruebasProtea\src\protea_reservations\phpunit.xml.dist
...
Time: 0 seconds, Memory: 6.00Mb

OK (3 tests, 0 assertions)

C:\xampp\htdocs\PruebasProtea\src\protea_reservations>
```

- **Resultado de pruebas unitarias de controlador, UsersControllerTest:**

```
Símbolo del sistema
C:\xampp\htdocs\ProyectoProtea\src\protea_reservations>phpunit tests\TestCase\Controller\UsersControllerTest.php
PHPUnit 3.7.21 by Sebastian Bergmann.

Configuration read from C:\xampp\htdocs\ProyectoProtea\src\protea_reservations\phpunit.xml.dist
...
Time: 0 seconds, Memory: 10.50Mb

OK (3 tests, 20 assertions)

C:\xampp\htdocs\ProyectoProtea\src\protea_reservations>
```