

## **PRUEBAS UNITARIAS**

### **SISTEMA DE GESTIÓN DE LA INFORMACIÓN PARA LA FUNDACIÓN SEXTANTE**

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## CP1. NOMBRE DE USUARIO EXISTENTE

The screenshot shows the Visual Studio Code interface with two PHP files open: `Testlogin.php` and `login.php`. The `Testlogin.php` file contains a PHPUnit test case with a `testingreso()` method that sets `$User = "Mario"` and calls `login.php`. The `login.php` file contains a database connection class `adminBD` and a `Validartest` class with a `confirmar` method that queries the database for the user `$User`. The terminal at the bottom shows the command `phpunit` being executed, and the output indicates that the test passed successfully.

```
1 <?php
2
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7
8 class Testlogin extends \PHPUnit\Framework\TestCase{
9
10
11
12 public function testingreso(){
13
14     $User = "Mario";
15
16     Include("login.php");
17
18     $conexion= adminBD::conectar();
19
20     $CLASE=Validartest::confirmar ($conexion, $User);
21     $this->assertEquals($CLASE, 1);
22 }
23
24
25
26
27
```

```
1 <?php
2
3 //CONEXION BASE DE DATOS
4 class adminBD{
5     public static function conectar(){
6
7         $User = "root";
8         $pass = "";
9         $servidor = "localhost";
10        $bd = "proyecto";
11        $conexion = new mysqli($servidor,$User,$pass,$bd);
12        $conexion->set_charset('utf8');
13
14        return $conexion;
15    }
16 }
17
18 // PRUEBA NOMBRE USUARIO
19 class Validartest{
20
21     public static function confirmar ($conexion, $User){
22         $Consul_user ="SELECT count(*) FROM usuario where nombre = '$User'";
23
24         $Consul_user_resultado=mysqli_query($conexion, $Consul_user);
25         $Almacen_user_consul= mysqli_fetch_row($Consul_user_resultado);
26         $resultado=$Almacen_user_consul[0];
27         return $resultado;
28     }
29 }
30
31
```

PHPUnit 9.5.24 #StandWithUkraine

Time: 00:00.022, Memory: 4.00 MB

1 / 1 (100%)

PS C:\xampp\htdocs\proyecto>

## CP1.2 NOMBRE DE USUARIO INEXISTENTE

The screenshot shows the Visual Studio Code interface with two PHP files open: `Testlogin.php` and `login.php`. The `Testlogin.php` file contains a PHPUnit test case with a `testingreso()` method that sets `$User = "Andres"` and calls `login.php`. The `login.php` file contains a database connection class `adminBD` and a `Validartest` class with a `confirmar` method that queries the database for the user `$User`. The terminal at the bottom shows the command `phpunit` being executed, and the output indicates that the test failed because the user `Andres` does not exist in the database.

```
1 <?php
2
3
4
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7
8 class Testlogin extends \PHPUnit\Framework\TestCase{
9
10
11
12 public function testingreso(){
13
14     $User = "Andres";
15
16     Include("login.php");
17
18     $conexion= adminBD::conectar();
19
20     $CLASE=Validartest::confirmar ($conexion, $User);
21     $this->assertEquals($CLASE, 1);
22 }
23
24
25
26
27
```

```
1 <?php
2
3 //CONEXION BASE DE DATOS
4 class adminBD{
5     public static function conectar(){
6
7         $User = "root";
8         $pass = "";
9         $servidor = "localhost";
10        $bd = "proyecto";
11        $conexion = new mysqli($servidor,$User,$pass,$bd);
12        $conexion->set_charset('utf8');
13
14        return $conexion;
15    }
16 }
17
18 // PRUEBA NOMBRE USUARIO
19 class Validartest{
20
21     public static function confirmar ($conexion, $User){
22         $Consul_user ="SELECT count(*) FROM usuario where nombre = '$User'";
23
24         $Consul_user_resultado=mysqli_query($conexion, $Consul_user);
25         $Almacen_user_consul= mysqli_fetch_row($Consul_user_resultado);
26         $resultado=$Almacen_user_consul[0];
27         return $resultado;
28     }
29 }
30
31
```

PHPUnit 9.5.24 #StandWithUkraine

Time: 00:00.015, Memory: 4.00 MB

There was 1 failure:

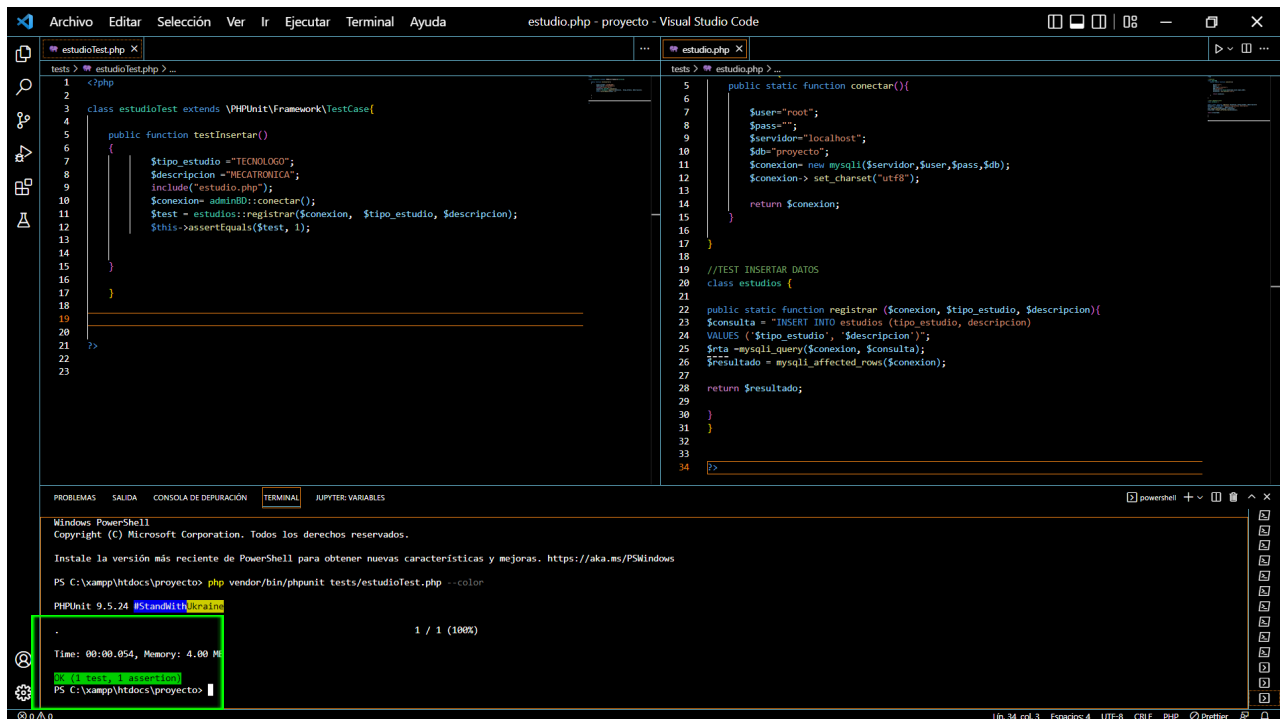
1) Testlogin::testingreso  
Failed asserting that 1 matches expected '0'.

PS C:\xampp\htdocs\proyecto>

FAILURES!  
Tests: 1, Assertions: 1, Failures: 1.

## CP2. INSERTAR DATOS

(Insertar datos de estudio)



```
estudioTest.php
1 <?php
2
3 class estudioTest extends \PHPUnit\Framework\TestCase{
4
5     public function testInsertar()
6     {
7         $tipo_estudio = "TECNOLOGIA";
8         $descripcion = "MECATRONICA";
9         include("estudio.php");
10        $conexion= adminBD::conectar();
11        $test = estudios::registrar($conexion, $tipo_estudio, $descripcion);
12        $this->assertEquals($test, 1);
13    }
14
15 }
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```

## CP4. EDITAR INFORMACIÓN (Editar usuario existente)



The screenshot shows the Visual Studio Code interface with two PHP files open: `TestEditor.php` and `Editor.php`. The `TestEditor.php` file contains a `TestEditor` class extending `\PHPUnit\Framework\TestCase` with a `testingreso()` method. The `Editor.php` file contains an `adminBD` class with a `conectar()` method and a `Validartest1` class with an `editar()` method. The terminal at the bottom shows the command `php vendor/bin/phpunit tests/TestEditor.php --color` and the output indicating that all tests passed successfully.

```
1 <?php
2
3 class TestEditor extends \PHPUnit\Framework\TestCase{
4
5 public function testingreso(){
6
7 $id = "4";
8 $nombre = "Carlassss";
9 $apellido1 = "Velezz";
10 $apellido2 = "Romero";
11 $nombreI = "Felipes";
12 $docu = "100065915";
13 $fechaI = "2002-11-19";
14 $contrasena = "1234";
15 $correo = "carlos@gmail.com";
16
17 Include("Editor.php");
18
19 $conexion= adminBD::conectar();
20
21 $editar=Validartest1::editar($conexion,$nombre,$apellido1,$apellido2,$nombre
22 $this->assertEquals(0,$editar);
23
24 }
25
26 }
```

```
1 <?php
2
3 class adminBD{
4 public static function conectar(){
5
6 $User = "root";
7 $pass = "";
8 $servidor = "localhost";
9 $bd = "proyecto";
10 $conexion = new mysqli($servidor,$User,$pass,$bd);
11 $conexion->set_charset('utf8');
12
13
14 return $conexion;
15
16 }
17
18 $contrasena = hash('sha512', $contrasena);
19
20 class Validartest1{
21
22 public static function editar ($conexion,$nombre,$apellido1,$apellido2,$nombreI,$docu,$fechaI,$
23 $modificar ="UPDATE usuario SET nombre=$nombre',apellido1=$apellido1',apellido2=$apellido2',nombre
24 $resultado= mysqli_query($conexion,$modificar);
25 $result= mysqli_affected_rows($conexion);
26
27 return $result;
28
29 }
30
31 }
```

PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL JUPYTER

PS C:\xampp\htdocs\proyecto> php vendor/bin/phpunit tests/TestEditor.php --color  
PHPUnit 9.5.24 #StandWithUkraine

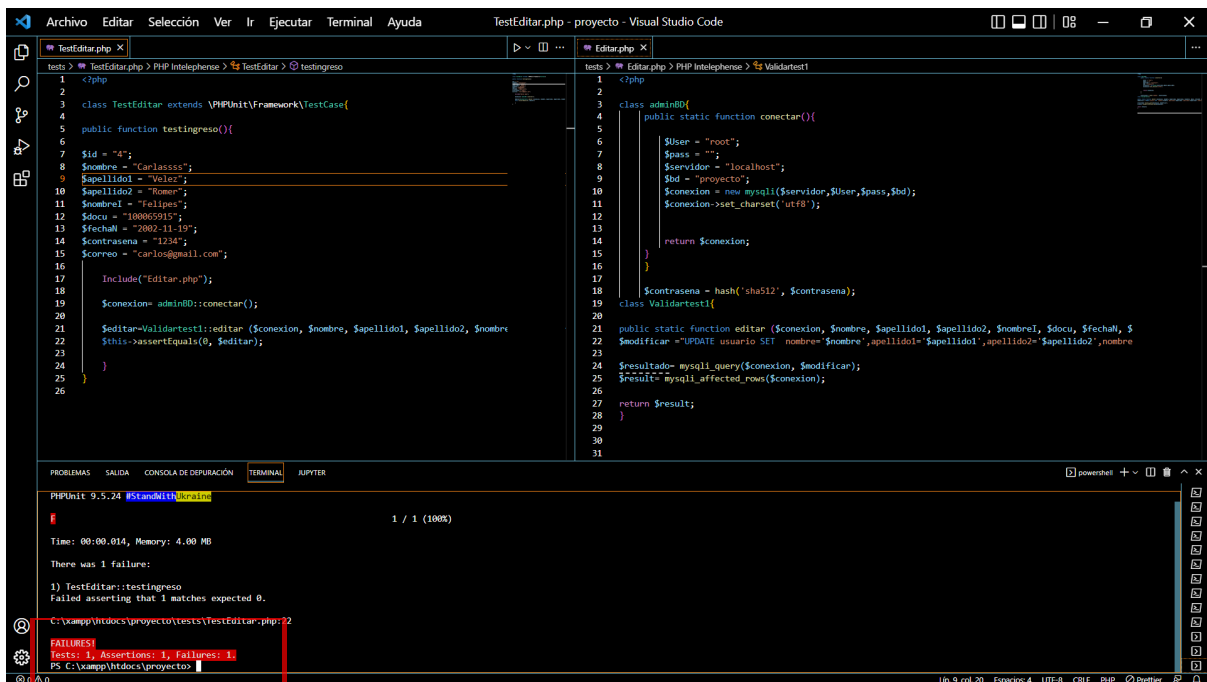
1 / 1 (100%)

Time: 00:00.009, Memory: 4.00 MB

2 / 2 (100%)

PS C:\xampp\htdocs\proyecto>

## CP4.1 EDITAR INFORMACIÓN (Editar usuario inexistente)



The screenshot shows the Visual Studio Code interface with the same two PHP files as before. The terminal at the bottom shows the command `php vendor/bin/phpunit tests/TestEditor.php --color` and the output indicating that there was a failure in the `testingreso` test.

```
1 <?php
2
3 class TestEditor extends \PHPUnit\Framework\TestCase{
4
5 public function testingreso(){
6
7 $id = "4";
8 $nombre = "Carlassss";
9 $apellido1 = "Velezz";
10 $apellido2 = "Romero";
11 $nombreI = "Felipes";
12 $docu = "100065915";
13 $fechaI = "2002-11-19";
14 $contrasena = "1234";
15 $correo = "carlos@gmail.com";
16
17 Include("Editor.php");
18
19 $conexion= adminBD::conectar();
20
21 $editar=Validartest1::editar($conexion,$nombre,$apellido1,$apellido2,$nombre
22 $this->assertEquals(0,$editar);
23
24 }
25
26 }
```

```
1 <?php
2
3 class adminBD{
4 public static function conectar(){
5
6 $User = "root";
7 $pass = "";
8 $servidor = "localhost";
9 $bd = "proyecto";
10 $conexion = new mysqli($servidor,$User,$pass,$bd);
11 $conexion->set_charset('utf8');
12
13
14 return $conexion;
15
16 }
17
18 $contrasena = hash('sha512', $contrasena);
19
20 class Validartest1{
21
22 public static function editar ($conexion,$nombre,$apellido1,$apellido2,$nombreI,$docu,$fechaI,$
23 $modificar ="UPDATE usuario SET nombre=$nombre',apellido1=$apellido1',apellido2=$apellido2',nombre
24 $resultado= mysqli_query($conexion,$modificar);
25 $result= mysqli_affected_rows($conexion);
26
27 return $result;
28
29 }
30
31 }
```

PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL JUPYTER

PHPUnit 9.5.24 #StandWithUkraine

1 / 1 (100%)

Time: 00:00.014, Memory: 4.00 MB

There was 1 failure:

1) TestEditor::testingreso  
Failed asserting that 1 matches expected 0.

PS C:\xampp\htdocs\proyecto>

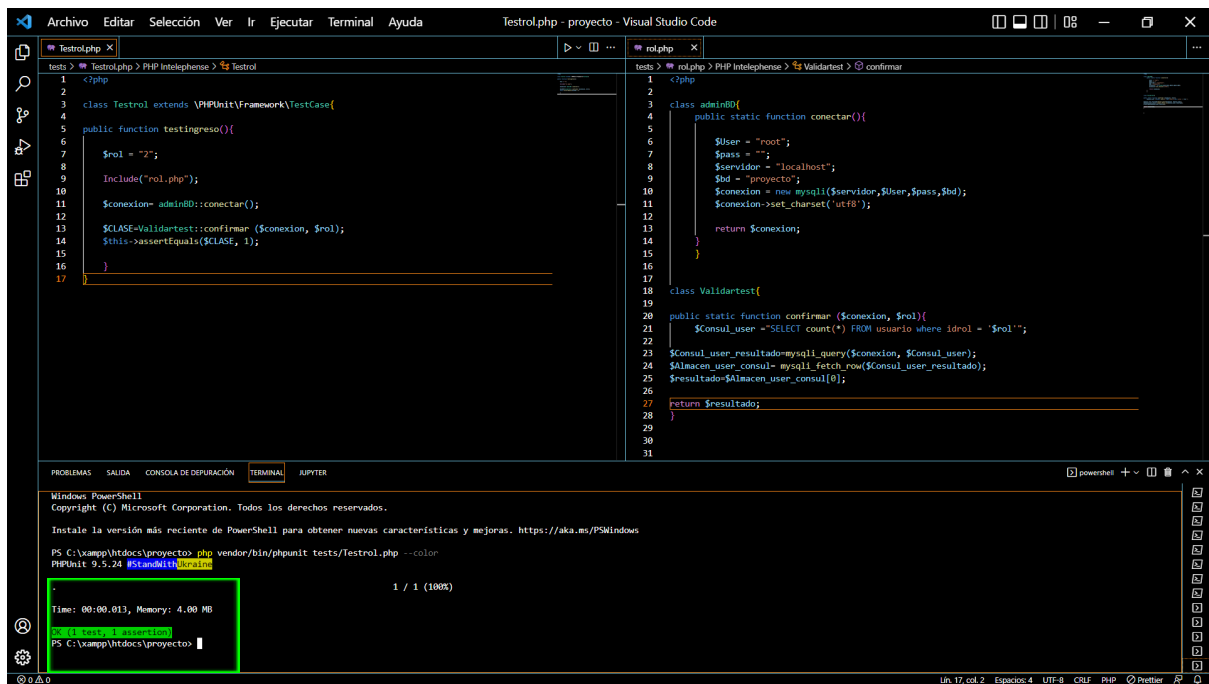
FAILURES

Tests: 1, Assertions: 1, Failures: 1

PS C:\xampp\htdocs\proyecto>

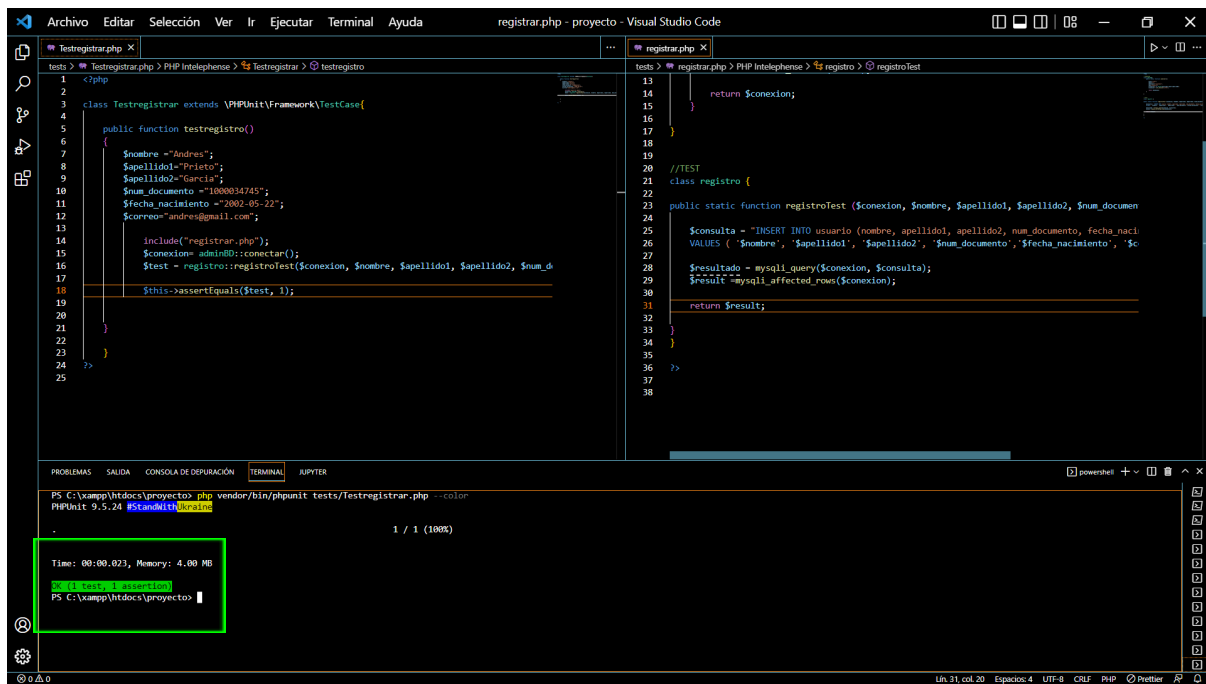
## CP5. VALIDAR

(Validar rol)



The screenshot shows the Visual Studio Code interface with two PHP files open: `Testrol.php` and `rol.php`. The `Testrol.php` file contains a test class `Testrol` that extends `\PHPUnit\Framework\TestCase`. It has a `testingreso()` method that sets `$rol = '2'`, includes `rol.php`, connects to a database, and calls `$CLASE=Validartest::confirmar($conexion, $rol);` followed by `$this->assertEquals($CLASE, 1);`. The `rol.php` file contains a `Validartest` class with a static `confirmar($conexion, $rol)` method that queries the database for a user with the given role and returns the result. The terminal window at the bottom shows the command `php vendor/bin/phpunit tests/Testrol.php --color` being executed, and the output indicates that the test passed: `PHPUnit 9.5.24 #StandWithUkraine` and `1 / 1 (100%)`. The test execution time is 00:00.013 and memory usage is 4.00 MB.

## CP.6 REGISTRO DE USUARIO NUEVO



The screenshot shows the Visual Studio Code interface with two PHP files open: `Testregistrar.php` and `registrar.php`. The `Testregistrar.php` file contains a test class `Testregistrar` that extends `\PHPUnit\Framework\TestCase`. It has a `testregistro()` method that sets user details like `$nombre = 'Andres'`, `$apellidol = 'Prieto'`, `$apellido2 = 'Garcia'`, `$num_documento = '1000034745'`, `$fecha_nacimiento = '2002-05-22'`, and `$correo = 'andres@gmail.com'`. It then includes `registrar.php`, connects to a database, and calls `$test = registrar::registroTest($conexion, $nombre, $apellidol, $apellido2, $num_documento, $fecha_nacimiento, $correo);` followed by `$this->assertEquals($test, 1);`. The `registrar.php` file contains a `registro` class with a static `registroTest($conexion, $nombre, $apellidol, $apellido2, $num_documento, $fecha_nacimiento, $correo)` method that inserts the user data into the database and returns the result. The terminal window at the bottom shows the command `php vendor/bin/phpunit tests/testregistrar.php --color` being executed, and the output indicates that the test passed: `PHPUnit 9.5.24 #StandWithUkraine` and `1 / 1 (100%)`. The test execution time is 00:00.023 and memory usage is 4.00 MB.

## **CP6.1 REGISTRO DE USUARIO EXISTENTE**