

SISTEMA DE INFORMACIÓN PARA FOMENTAR LA CONCIENCIA DEL BUEN MANEJO DE LOS
RESIDUOS - ECOLOMBIA

Pruebas unitarias

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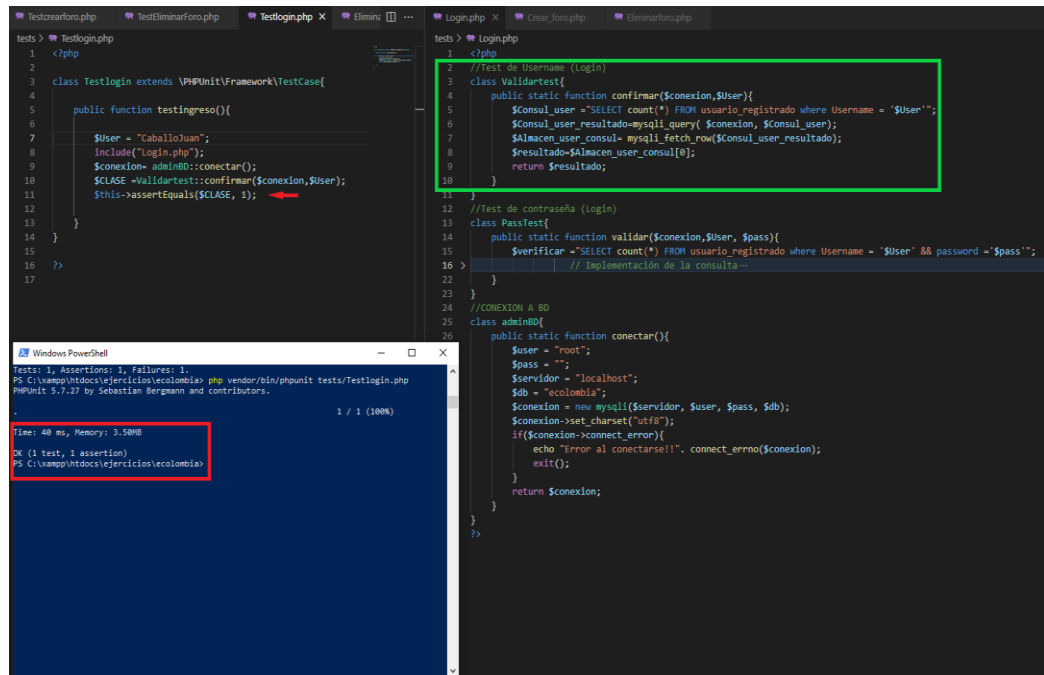
04-2022

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1. Validar username

1.1 Username existente



The image shows a code editor with two PHP files and a PowerShell terminal window. The left file, `Testlogin.php`, contains a PHPUnit test class `Testlogin` with a `testingreso()` method. The right file, `login.php`, contains a `Validartest` class with a `confirmar()` method and a `PassTest` class with a `validar()` method. The PowerShell terminal window shows the execution of the test, with a red box highlighting the output: `Time: 48 ms, Memory: 3.50MB` and `OK (1 test, 1 assertion)`.

```

Testlogin.php
1 <?php
2
3 class Testlogin extends \PHPUnit\Framework\TestCase{
4
5     public function testingreso(){
6
7         $user = "CaballoJuan";
8         include("Login.php");
9         $conexion= adminBD::conectar();
10        $CLASE =Validartest::confirmar($conexion,$user);
11        $this->assertEquals($CLASE, 1);
12    }
13 }
14
15
16 >>
17

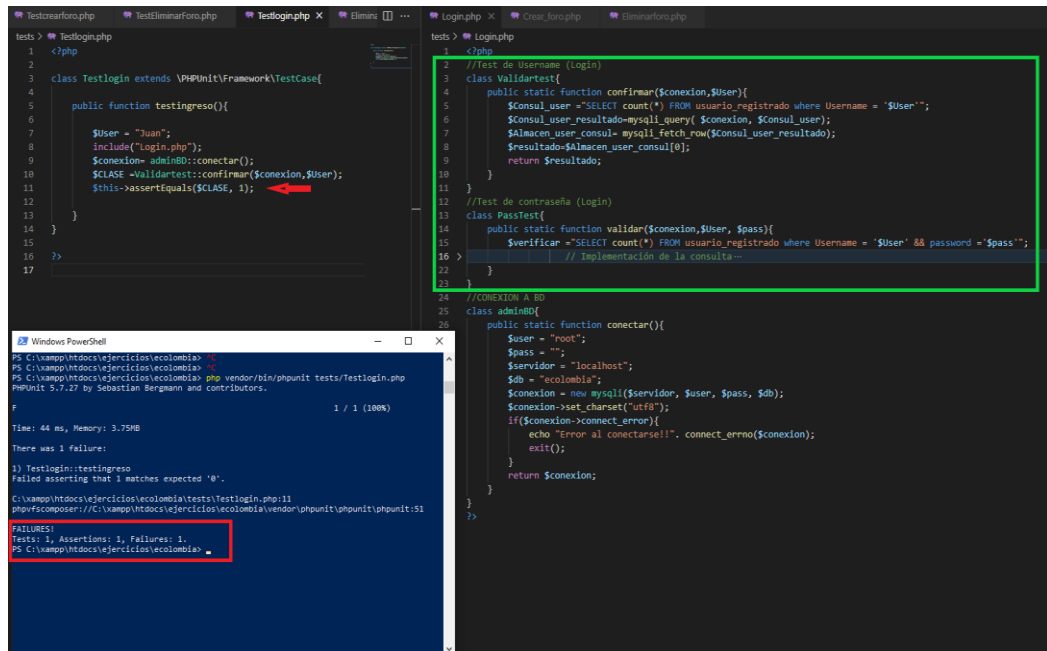
login.php
1 <?php
2 //Test de Username (Login)
3 class Validartest{
4     public static function confirmar($conexion,$user){
5         $CONSUL_user =SELECT count(*) FROM usuario_registrado where Username = "$user";
6         $CONSUL_user_resultado=mysql_query( $conexion, $CONSUL_user);
7         $Salmacon user_consul= mysqli_fetch_row($CONSUL_user_resultado);
8         $resultado=$Salmacon_user_consul[0];
9         return $resultado;
10    }
11 }
12 //Test de contraseña (Login)
13 class PassTest{
14     public static function validar($conexion,$user, $pass){
15         $verificar = "SELECT count(*) FROM usuario_registrado where Username = '$user' && password = '$pass'";
16         // Implementación de la consulta...
17     }
18 }
19
20 //CONEXION A BD
21 class adminBD{
22     public static function conectar(){
23         $user = "root";
24         $pass = "";
25         $servidor = "localhost";
26         $db = "ecolombia";
27         $conexion= new mysqli($servidor, $user, $pass, $db);
28         $conexion->set_charset("utf8");
29         if($conexion->connect_error){
30             echo "Error al conectarse!!". connect_errno($conexion);
31             exit();
32         }
33         return $conexion;
34     }
35 }
36 >>

Windows PowerShell
Tests: 1, Assertions: 1, Failures: 1.
PS C:\xampp\htdocs\ejercicios\ecolombia> php vendor/bin/phpunit tests/Testlogin.php
PHPUnit 5.7.27 by Sebastian Bergmann and contributors.

.
Time: 48 ms, Memory: 3.50MB
OK (1 test, 1 assertion)
PS C:\xampp\htdocs\ejercicios\ecolombia>
  
```

Ilustración 1 Username existente

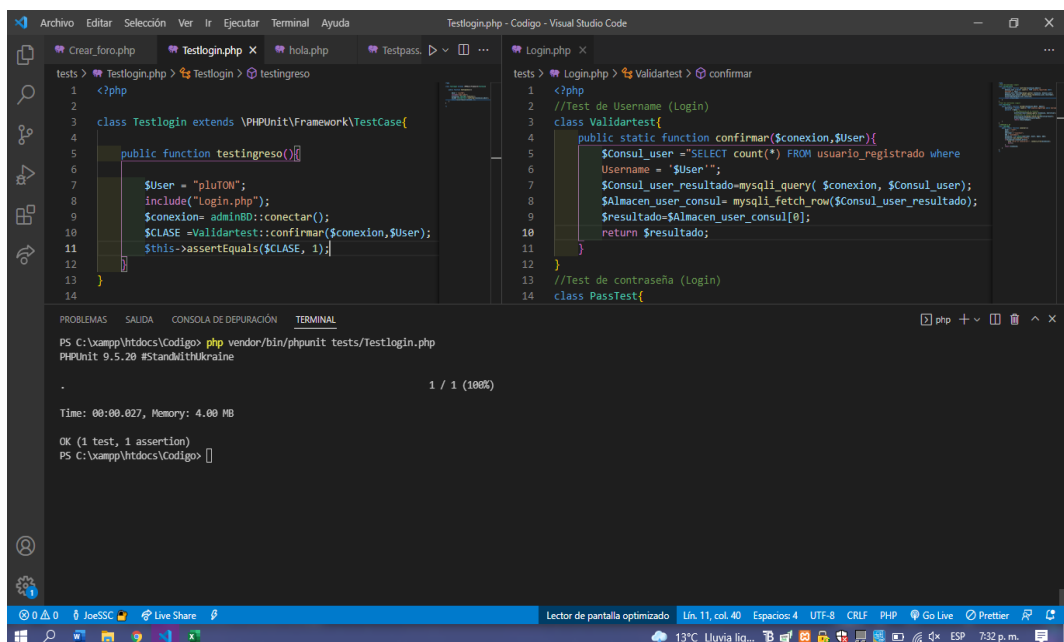
1.2 Username inexistente



The screenshot shows a code editor with two PHP files. The left file, `Testlogin.php`, contains a unit test class `Testlogin` that extends `\PHPUnit\Framework\TestCase`. It has a `testingreso()` method that sets `$user = "Juan";`, includes `login.php`, connects to a database, and calls `$this->assertEquals($CLASE, 1);`. The right file, `login.php`, contains a `Validartest` class with a `confirmar($conexion, $user)` method that queries a database for a user. Below the code editor, a Windows PowerShell terminal window shows the execution of `phpunit tests/Testlogin.php`. The output indicates a failure: `Time: 44 ms, Memory: 3.75MB. There was 1 failure: 1) Testlogin::testingreso Failed asserting that 1 matches expected '0'.` A red box highlights the failure message in the terminal.

Ilustración 2 Username inexistente

1.3 Username correcto (Variedad de caracteres)

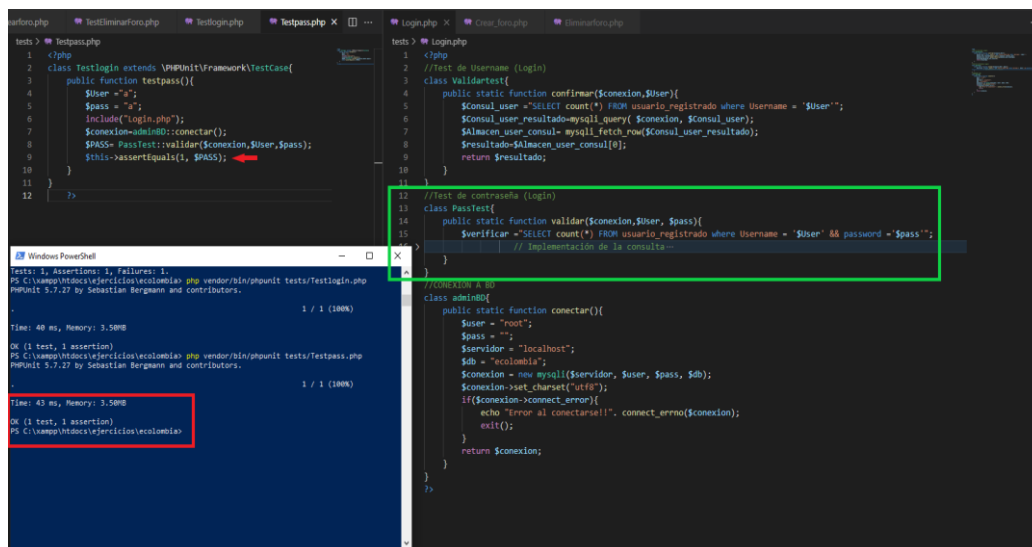


The screenshot shows a code editor with two PHP files. The left file, `Testlogin.php`, contains a unit test class `Testlogin` that extends `\PHPUnit\Framework\TestCase`. It has a `testingreso()` method that sets `$user = "pluTON";`, includes `login.php`, connects to a database, and calls `$this->assertEquals($CLASE, 1);`. The right file, `login.php`, contains a `Validartest` class with a `confirmar($conexion, $user)` method that queries a database for a user. Below the code editor, a Visual Studio Code terminal window shows the execution of `phpunit tests/Testlogin.php`. The output indicates success: `Time: 00:00.027, Memory: 4.00 MB. OK (1 test, 1 assertion)`.

Ilustración 3 Username (Variedad caracteres)

2. Validar contraseña:

2.1 Contraseña correcta



```

1 <?php
2 class TestLogin extends \PHPUnit\Framework\TestCase{
3     public function testpass(){
4         $user = "a";
5         $pass = "a";
6         include("login.php");
7         $conexion=conexion::conectar();
8         $PASS= Validartest::validar($conexion,$user,$pass);
9         $this->assertEquals(1, $PASS);
10    }
11 }
12 }>

```

```

1 <?php
2 //Test de Username (Login)
3 class Validartest{
4     public static function confirmar($conexion,$user){
5         $consulta_user ="SELECT count(*) FROM usuario_registro where Username = '$user'";
6         $consulta_user_resultado=mysql_query( $conexion, $consulta_user);
7         $almacen_user_consul= mysql_fetch_row($consulta_user_resultado);
8         $resultado=$almacen_user_consul[0];
9         return $resultado;
10    }
11 }
12 //Test de contraseña (Login)
13 class PassTest{
14     public static function validar($conexion,$user, $pass){
15         $verificar ="SELECT count(*) FROM usuario_registro where Username = '$user' && password = '$pass'";
16         // Implementación de la consulta...
17    }
18 }
19 //CONEXION A BD
20 class adminBD{
21     public static function conectar(){
22         $user = "root";
23         $pass = "";
24         $servidor = "localhost";
25         $db = "ecolombia";
26         $conexion = new mysqli($servidor, $user, $pass, $db);
27         $conexion->set_charset("utf8");
28         if($conexion->connect_error){
29             echo "Error al conectarse!!", connect_errno($conexion);
30             exit();
31         }
32         return $conexion;
33     }
34 }
35 }>

```

```

Tests: 1, Assertions: 1, Failures: 1.
PS C:\xampp\htdocs\ejercicios\ecolombia> php vendor/bin/phpunit tests/testlogin.php
PHPUnit 5.7.27 by Sebastian Bergmann and contributors.

.
1 / 1 (100%)

Time: 48 ms, Memory: 3.58MB
OK (1 test, 1 assertion)
PS C:\xampp\htdocs\ejercicios\ecolombia> php vendor/bin/phpunit tests/testpass.php
PHPUnit 5.7.27 by Sebastian Bergmann and contributors.

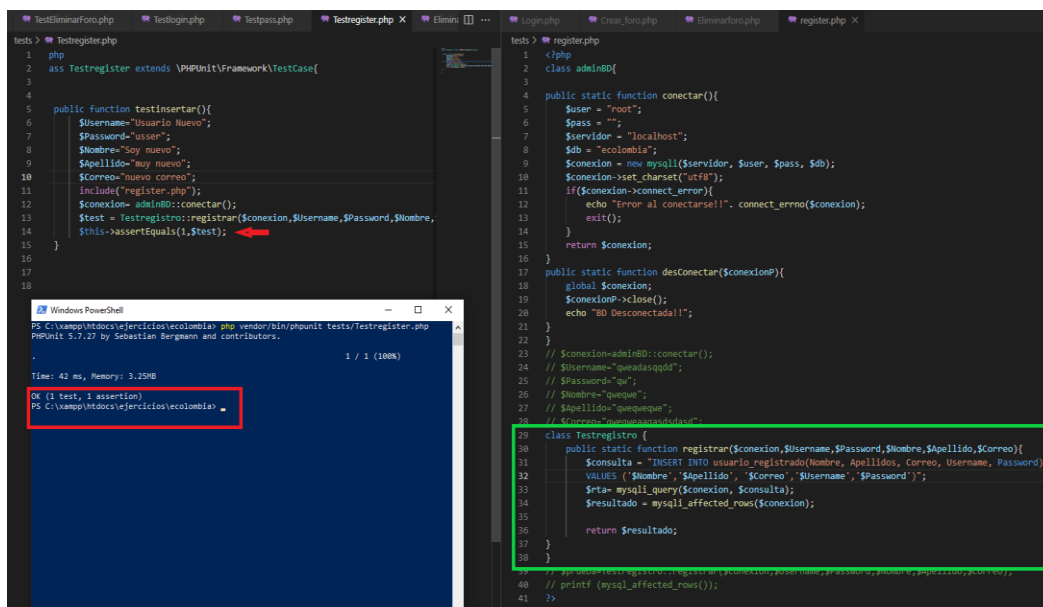
.
1 / 1 (100%)

Time: 43 ms, Memory: 3.58MB
OK (1 test, 1 assertion)
PS C:\xampp\htdocs\ejercicios\ecolombia>

```

Ilustración 4 Contraseña Correcta

3.2 Registrar usuario nuevo



```

1 <?php
2 class TestRegistrar extends \PHPUnit\Framework\TestCase{
3
4     public function testinsertar(){
5         $username="Usuario Nuevo";
6         $password="User";
7         $nombre="soy nuevo";
8         $apellido="muy nuevo";
9         $correo="nuevo correo";
10        include("register.php");
11        $conexion= adminBD::conectar();
12        $test = TestRegistrar::registrar($conexion,$username,$password,$nombre,
13        $this->assertEquals(1,$test);
14    }
15 }
16
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```

```

1 <?php
2 class adminBD{
3
4     public static function conectar(){
5         $user = "root";
6         $pass = "";
7         $servidor = "localhost";
8         $db = "ecolombia";
9         $conexion = new mysqli($servidor, $user, $pass, $db);
10        $conexion->set_charset("utf8");
11        if($conexion->connect_error){
12            echo "Error al conectarse!!". connect_errno($conexion);
13            exit();
14        }
15        return $conexion;
16    }
17
18    public static function desConectar($conexion){
19        global $conexion;
20        $conexion->close();
21        echo "BD Desconectada!!";
22    }
23
24    // $conexion=adminBD::conectar();
25    // $username="qwadasqqd";
26    // $password="qu";
27    // $nombre="queque";
28    // $apellido="quequeque";
29    // $correo="nuevamasquedad";
30
31    class TestRegistrar {
32    public static function registrar($conexion,$username,$password,$nombre,$apellido,$correo){
33        $consulta = "INSERT INTO usuario_registrado(Nombre, Apellidos, Correo, Username, Password)
34        VALUES ('$nombre', '$apellido', '$correo', '$username', '$password')";
35        $stmt= mysqli_query($conexion, $consulta);
36        $resultado = mysqli_affected_rows($conexion);
37        return $resultado;
38    }
39    }
40
41    // $test=TestRegistrar::registrar($conexion,$username,$password,$nombre,$apellido,$correo);
42    // print( mysqli_affected_rows());
43    }
44
45
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```

```

PS C:\xampp\htdocs\ejercicios\ecolombia> php vendor/bin/phpunit tests/TestRegistrar.php
PHPUnit 5.7.27 by Sebastian Bergmann and contributors.

.
Time: 42 ms, Memory: 3.25MB

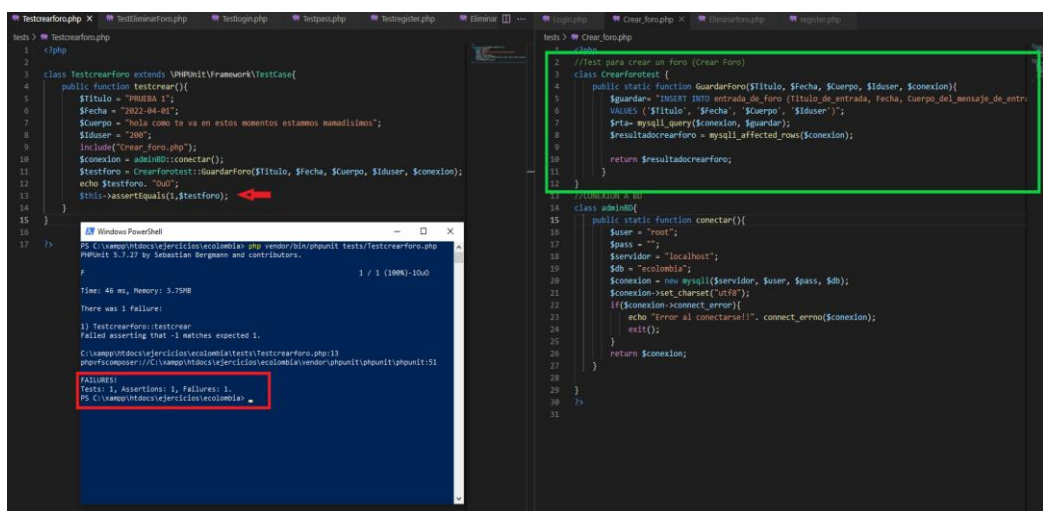
OK (1 test, 1 assertion)
PS C:\xampp\htdocs\ejercicios\ecolombia>

```

Ilustración 7 Registrar Usuario

4. Crear foro

4.1 Id usuario inexistente



```

1 <?php
2 class TestCrearForo extends \PHPUnit\Framework\TestCase{
3
4     public function testcrear(){
5         $titulo = "PRUEBA 1";
6         $fecha = "2022-04-01";
7         $cuerpo = "hola como te va en estos momentos estamos mandandolos";
8         $iduser = "200";
9         include("crear_foro.php");
10        $conexion= adminBD::conectar();
11        $testforo = CrearForo::guardarForo($titulo,$fecha,$cuerpo,$iduser,$conexion);
12        echo $testforo."000";
13        $this->assertEquals(1,$testforo);
14    }
15 }
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```

```

1 //Test para crear un foro (Crear Foro)
2
3 class CrearForoTest {
4     public static function guardarForo($titulo, $fecha, $cuerpo, $iduser, $conexion){
5         $guardar= "Insert INTO entrada_foro (Titulo_de_entrada, fecha, Cuerpo_del_mensaje_de_entr
6         VALUES ('$titulo', '$fecha', '$cuerpo', '$iduser')";
7         $stmt= mysqli_query($conexion, $guardar);
8         $resultadocrearforo = mysqli_affected_rows($conexion);
9         return $resultadocrearforo;
10    }
11 }
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```

PS C:\xampp\htdocs\ejercicios\ecolombia> php vendor/bin/phpunit tests/testcrear-foro.php
PHPUnit 5.7.27 by Sebastian Bergmann and contributors.

F
Time: 48 ms, Memory: 3.75MB

There was 1 failure:

1) TestCrearForo::testcrear
Failed asserting that -1 matches expected 1.

C:\xampp\htdocs\ejercicios\ecolombia\tests\testcrear-foro.php:13
PHPUnit_Coverage::C:\xampp\htdocs\ejercicios\ecolombia\vendor\phpunit\phpunit\src\PHPUnit\
FAILURES!
Tests: 1, Assertions: 1, Failures: 1.
PS C:\xampp\htdocs\ejercicios\ecolombia>

```

Ilustración 8 Id usuario existente

4.2 Id Usuario existente

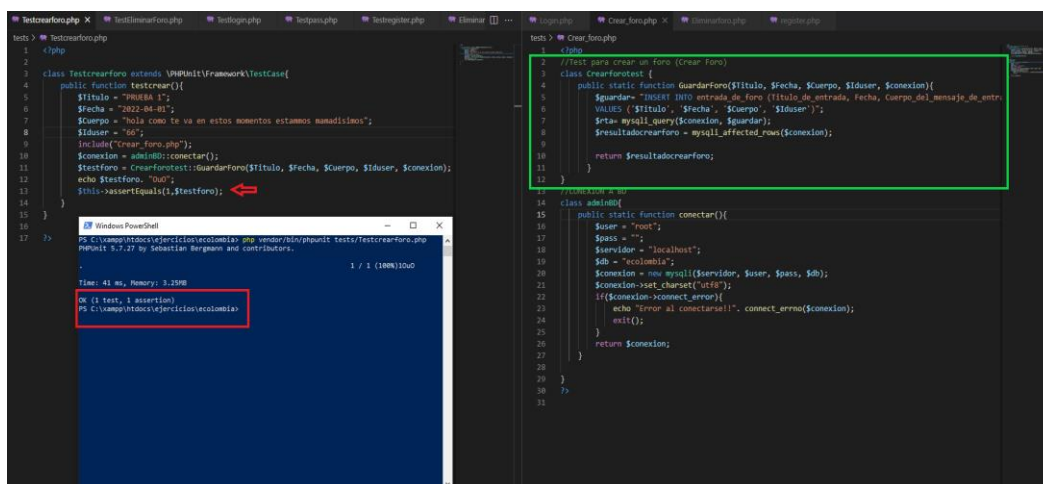


Ilustración 9 Id Usuario existente

5. Eliminar foro

5.1 Id foro inexistente

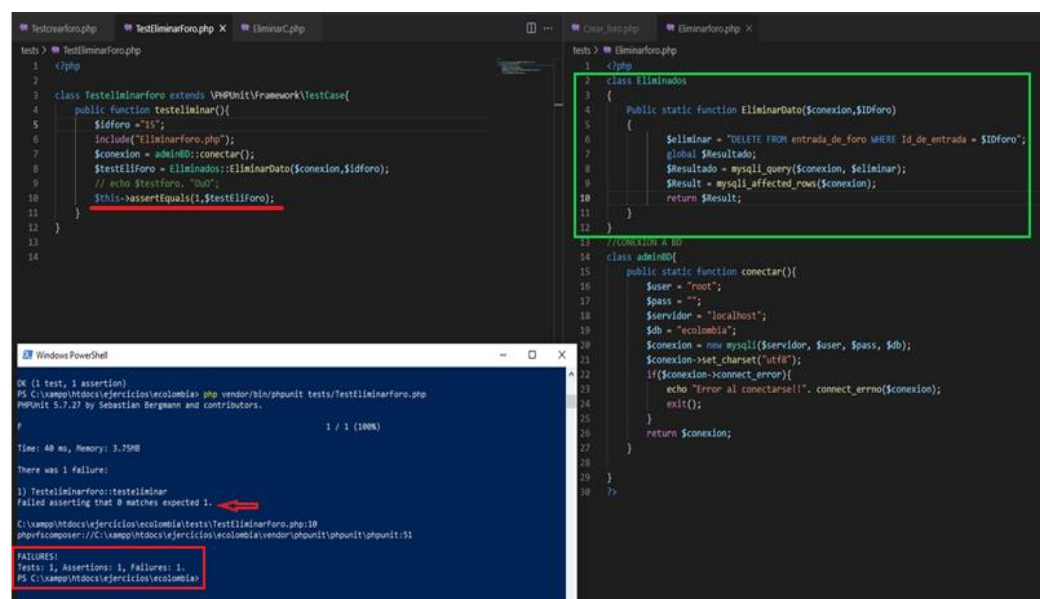
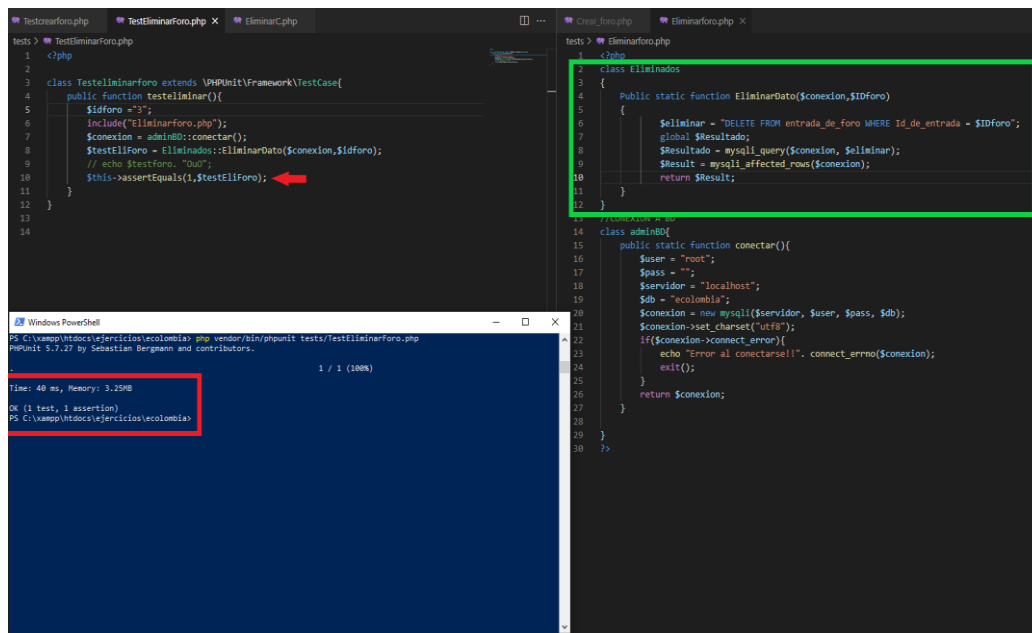


Ilustración 10 Id foro existente (Eliminar)

5.2 Id foro existente



The screenshot shows two PHP files in VS Code. The left file, `TestEliminarForo.php`, contains a PHPUnit test case for the `eliminar` method. A red arrow points to the assertion `$this->assertEquals(1,$testEliforo);`. The right file, `EliminarForo.php`, shows the `eliminar` method implementation, which is highlighted with a green box. Below the code, a Windows PowerShell terminal window shows the execution of the test, with the output `OK (1 test, 1 assertion)` highlighted in red.

```

TestEliminarForo.php
1 <?php
2
3 class TestEliminarForo extends PHPUnit\Framework\TestCase{
4     public function testeliminar(){
5         $idforo = "3";
6         include("EliminarForo.php");
7         $conexion = adminBD::conectar();
8         $testEliforo = EliminarForo::eliminar($conexion,$idforo);
9         // echo $testEliforo; "1";
10        $this->assertEquals(1,$testEliforo);
11    }
12 }
13
14

EliminarForo.php
1 <?php
2
3 class EliminarForo{
4     public static function eliminar($conexion,$idforo){
5         $eliminar = "DELETE FROM entrada_de_foro WHERE Id_de_entrada = $idforo";
6         global $resultado;
7         $resultado = mysql_query($conexion, $eliminar);
8         $result = mysql_affected_rows($conexion);
9         return $result;
10    }
11 }
12
13
14 class adminBD{
15     public static function conectar(){
16         $user = "root";
17         $pass = "";
18         $servidor = "localhost";
19         $db = "ecolombia";
20         $conexion = new mysqli($servidor, $user, $pass, $db);
21         $conexion->set_charset("utf8");
22         if($conexion->connect_error){
23             echo "Error al conectar!!", connect_errno($conexion);
24             exit();
25         }
26         return $conexion;
27     }
28 }
29
30 }

```

```

PS C:\xampp\htdocs\Ejercicios\ecolombia> php vendor/bin/phpunit tests/TestEliminarForo.php
PHPUnit 5.7.27 by Sebastian Bergmann and contributors.

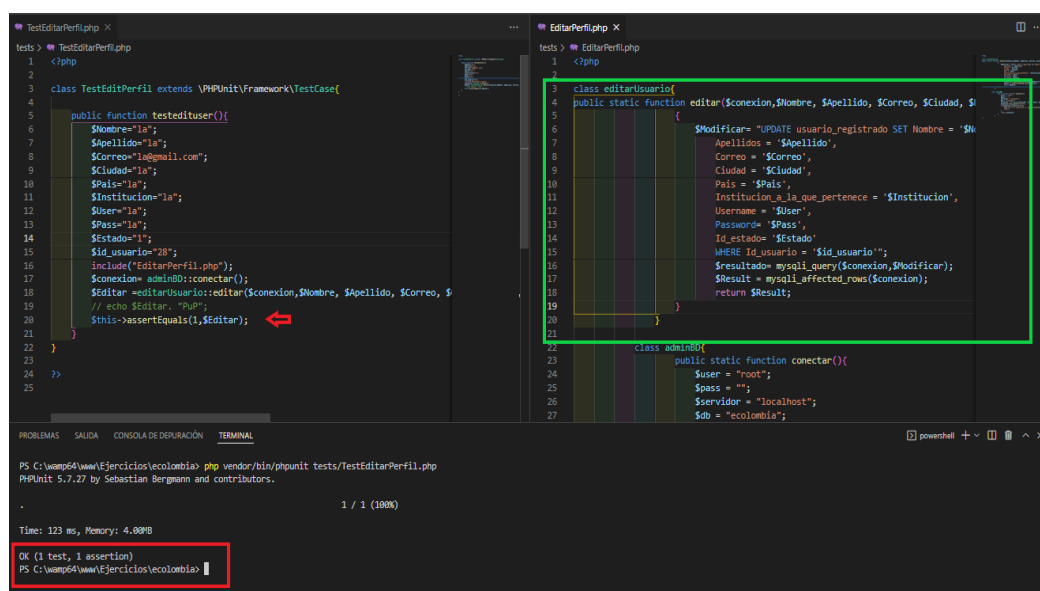
.
Time: 48 ms, Memory: 3.25MB
OK (1 test, 1 assertion)
PS C:\xampp\htdocs\Ejercicios\ecolombia>

```

Ilustración 11 Id foro existente (Eliminar)

6. Editar perfil

6.1 Edición de perfil efectuada



The screenshot shows two PHP files in VS Code. The left file, `TestEditarPerfil.php`, contains a PHPUnit test case for the `editar` method. A red arrow points to the assertion `$this->assertEquals(1,$editar);`. The right file, `EditarPerfil.php`, shows the `editar` method implementation, which is highlighted with a green box. Below the code, a Windows PowerShell terminal window shows the execution of the test, with the output `OK (1 test, 1 assertion)` highlighted in red.

```

TestEditarPerfil.php
1 <?php
2
3 class TestEditarPerfil extends PHPUnit\Framework\TestCase{
4     public function testeditar(){
5         $nombre="la";
6         $apellido="la";
7         $correo="la@gmail.com";
8         $ciudad="la";
9         $pais="la";
10        $institucion="la";
11        $user="la";
12        $pass="la";
13        $estado="1";
14        $id_usuario="28";
15        include("EditarPerfil.php");
16        $conexion = adminBD::conectar();
17        $editar = editarUsuario::editar($conexion,$nombre, $apellido, $correo, $ciudad, $pais, $institucion, $user, $pass, $estado, $id_usuario);
18        // echo $editar; "1";
19        $this->assertEquals(1,$editar);
20    }
21 }
22
23 }
24
25

EditarPerfil.php
1 <?php
2
3 class editarUsuario{
4     public static function editar($conexion,$nombre, $apellido, $correo, $ciudad, $pais, $institucion, $user, $pass, $estado, $id_usuario){
5         $modificar= "UPDATE usuario_registrado SET Nombre = '$nombre', Apellidos = '$apellido', Correo = '$correo', Ciudad = '$ciudad', Pais = '$pais', Institucion_a_la_que_pertenece = '$institucion', Username = '$user', Password = '$pass', Id_estado = '$estado' WHERE Id_usuario = '$id_usuario'";
6         $resultado = mysql_query($conexion,$modificar);
7         $result = mysql_affected_rows($conexion);
8         return $result;
9     }
10 }
11
12
13 class adminBD{
14     public static function conectar(){
15         $user = "root";
16         $pass = "";
17         $servidor = "localhost";
18         $db = "ecolombia";
19         $conexion = new mysqli($servidor, $user, $pass, $db);
20         $conexion->set_charset("utf8");
21         if($conexion->connect_error){
22             echo "Error al conectar!!", connect_errno($conexion);
23             exit();
24         }
25         return $conexion;
26     }
27 }
28
29 }

```

```

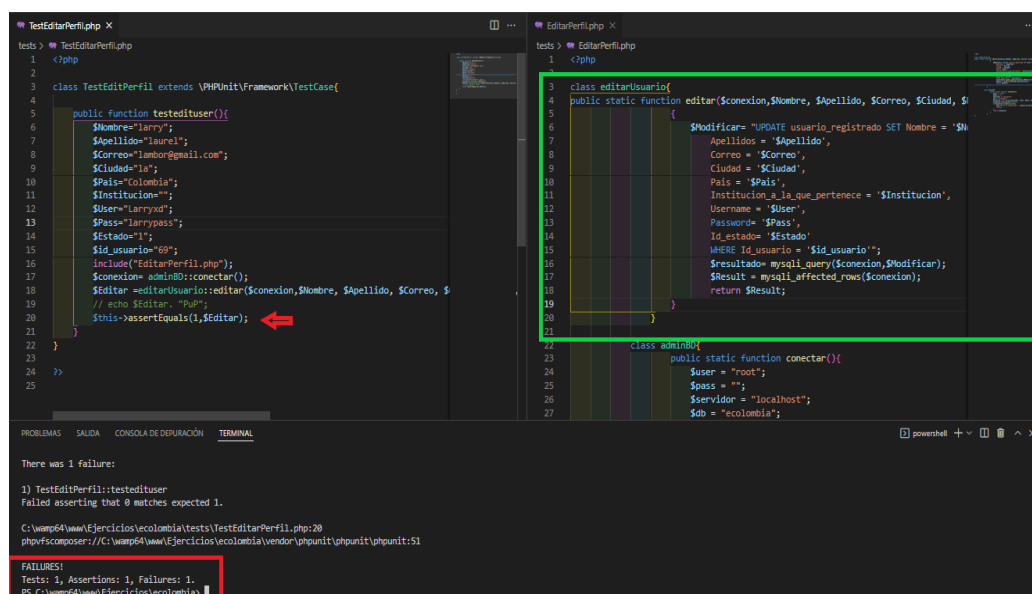
PS C:\xampp64\www\Ejercicios\ecolombia> php vendor/bin/phpunit tests/TestEditarPerfil.php
PHPUnit 5.7.27 by Sebastian Bergmann and contributors.

.
Time: 123 ms, Memory: 4.80MB
OK (1 test, 1 assertion)
PS C:\xampp64\www\Ejercicios\ecolombia>

```

Ilustración 12 Edición perfil ejecutada

6.2 Edición perfil de Usuario inexistente



```

TestEditarPerfil.php
1 <?php
2
3 class TestEditarPerfil extends \PHPUnit\Framework\TestCase{
4
5     public function testedituser(){
6         $Nombre="Larry";
7         $Apellido="laurel";
8         $Correo="lambor@gmail.com";
9         $Ciudad="la";
10        $Pais="Colombia";
11        $Institucion="";
12        $User="larryad";
13        $Pass="larrypass";
14        $Estado="I";
15        $Id_usuario="69";
16        include("EditarPerfil.php");
17        $conexion= adminBD::conectar();
18        $editar=editarUsuario::editar($conexion,$Nombre, $Apellido, $Correo, $
19        // echo $editar; //paspr;
20        $this->assertEquals(1,$editar);
21    }
22 }
23
24 >>
25

```

```

EditarPerfil.php
1 <?php
2
3 class editarUsuario{
4     public static function editar($conexion,$Nombre, $Apellido, $Correo, $Ciudad, $
5
6         {
7             $Modificar= "UPDATE usuario_registrado SET Nombre = '$N
8             Apellidos = '$Apellido',
9             Correo = '$Correo',
10            Ciudad = '$Ciudad',
11            Pais = '$Pais',
12            Institucion_a_la_que_pertenece = '$Institucion',
13            Username = '$User',
14            Password= '$Pass',
15            Id_estado= '$Estado'
16            WHERE Id_usuario = '$Id_usuario';
17            $Resultado= mysqli_query($conexion,$Modificar);
18            $Result = mysqli_affected_rows($conexion);
19            return $Result;
20        }
21
22
23 class adminBD{
24     public static function conectar(){
25         $user = "root";
26         $pass = "";
27         $servidor = "localhost";
28         $db = "ecolombia";
29     }
30 }

```

```

PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL
There was 1 failure:
1) TestEditarPerfil::testedituser
Failed asserting that 0 matches expected 1.

C:\wamp64\www\Ejercicios\ecolombia\tests\TestEditarPerfil.php:20
phpvfscomposer://C:\wamp64\www\Ejercicios\ecolombia\vendor\phpunit\phpunit\phpunit:51

FAILURES!
Tests: 1, Assertions: 1, Failures: 1.
PS C:\wamp64\www\Ejercicios\ecolombia>

```

Ilustración 13 Edición usuario inexistente