

## Trabalho Qualidade de Software 2 - Natan Barbosa Pederzolli - **Imagens**

```
2. Executando Testes Funcionais (Sistema)...
=====
===== test session starts =====
platform win32 -- Python 3.12.5, pytest-7.4.3, pluggy-1.6.0 -- C:\Users\User\AppData\Local\Programs\Python\Python312\python.exe
cachedir: .pytest_cache
metadata: {'Python': '3.12.5', 'Platform': 'Windows-11-10.0.26100-SP0', 'Packages': {'pytest': '7.4.3', 'pluggy': '1.6.0'}, 'Plugins': {'anyio': '4.11.0', 'Faker': '20.1.0', 'tm': '4.1.1', 'metadata': '3.1.1', 'xdist': '3.5.0'}}
rootdir: D:\Estudos\Faculdade\Qualidade De Software\TRAB2
configfile: pytest.ini
plugins: anyio-4.11.0, Faker-20.1.0, html-4.1.1, metadata-3.1.1, xdist-3.5.0
collecting ... collected 11 items

tests/functional/test_login.py::TestLogin::test_login_with_valid_credentials PASSED [ 9%]
tests/functional/test_login.py::TestLogin::test_login_with_invalid_email PASSED [ 18%]
tests/functional/test_login.py::TestLogin::test_login_with_wrong_password PASSED [ 27%]
tests/functional/test_login.py::TestLogin::test_login_with_empty_fields PASSED [ 36%]
tests/functional/test_login.py::TestLogin::test_login_with_unregistered_email PASSED [ 45%]
tests/functional/test_registration.py::TestRegistration::test_register_with_valid_data PASSED [ 54%]
tests/functional/test_registration.py::TestRegistration::test_register_with_password_mismatch PASSED [ 63%]
tests/functional/test_registration.py::TestRegistration::test_register_with_existing_email PASSED [ 72%]
tests/functional/test_registration.py::TestRegistration::test_register_with_invalid_fields PASSED [ 81%]
tests/functional/test_registration.py::TestRegistration::test_register_with_empty_fields PASSED [ 90%]
tests/functional/test_registration.py::TestRegistration::test_register_with_short_password PASSED [100%]

- Generated html report: file:///D:/Estudos/Faculdade/Qualidade%20de%20Software/TRAB2/reports/functional_report.html -
=====
===== 11 passed in 243.32s (0:04:03) =====
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1. Executando Testes Unitários...
=====
===== test session starts =====
platform win32 -- Python 3.12.5, pytest-7.4.3, pluggy-1.6.0 -- C:\Users\User\AppData\Local\Programs\Python\Python312\python.exe
cachedir: .pytest_cache
metadata: {'Python': '3.12.5', 'Platform': 'Windows-11-10.0.26100-SP0', 'Packages': {'pytest': '7.4.3', 'pluggy': '1.6.0'}, 'Plugins': {'anyio': '4.11.0', 'Faker': '20.1.0', 'tm': '4.1.1', 'metadata': '3.1.1', 'xdist': '3.5.0'}}
rootdir: D:\Estudos\Faculdade\Qualidade De Software\TRAB2
configfile: pytest.ini
plugins: anyio-4.11.0, Faker-20.1.0, html-4.1.1, metadata-3.1.1, xdist-3.5.0
collecting ... collected 18 items

tests/unit/test_transaction.py::TestTransaction::test_transfer_with_sufficient_balance PASSED [ 5%]
tests/unit/test_transaction.py::TestTransaction::test_transfer_insufficient_balance PASSED [ 11%]
tests/unit/test_transaction.py::TestTransaction::test_transfer_invalid_amount PASSED [ 16%]
tests/unit/test_transaction.py::TestTransaction::test_deposit_valid_amount PASSED [ 22%]
tests/unit/test_transaction.py::TestTransaction::test_deposit_invalid_amount PASSED [ 27%]
tests/unit/test_transaction.py::TestTransaction::test_withdraw_sufficient_balance PASSED [ 33%]
tests/unit/test_transaction.py::TestTransaction::test_withdraw_insufficient_balance PASSED [ 38%]
tests/unit/test_transaction.py::TestTransaction::test_transaction_extreme_values PASSED [ 44%]
tests/unit/test_transaction.py::TestTransaction::test_validate_transaction_amount PASSED [ 50%]
tests/unit/test_transaction.py::TestTransaction::test_can_transfer PASSED [ 55%]
tests/unit/test_validator.py::TestUserValidator::test_validate_email_valid PASSED [ 61%]
tests/unit/test_validator.py::TestUserValidator::test_validate_email_invalid PASSED [ 66%]
tests/unit/test_validator.py::TestUserValidator::test_validate_password_valid PASSED [ 72%]
tests/unit/test_validator.py::TestUserValidator::test_validate_password_invalid PASSED [ 77%]
tests/unit/test_validator.py::TestUserValidator::test_validate_name_valid PASSED [ 83%]
tests/unit/test_validator.py::TestUserValidator::test_validate_name_invalid PASSED [ 88%]
tests/unit/test_validator.py::TestUserValidator::test_validate_user_data_valid PASSED [ 94%]
tests/unit/test_validator.py::TestUserValidator::test_validate_user_data_multiple_errors PASSED [100%]

- Generated html report: file:///D:/Estudos/Faculdade/Qualidade%20de%20Software/TRAB2/reports/unit_report.html -
=====
===== 18 passed in 0.11s =====
```

  

```
tests/unit/test_user_validator.py::TestUserValidator::test_validate_user_data_valid PASSED [ 96%]
tests/unit/test_user_validator.py::TestUserValidator::test_validate_user_data_multiple_errors PASSED [100%]

- Generated html report: file:///D:/Estudos/Faculdade/Qualidade%20de%20Software/TRAB2/reports/report.html -
=====
===== 29 passed in 247.59s (0:04:07) =====
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=====
===== RESUMO DA EXECUÇÃO =====
Testes Unitários: ✓ PASSOU
Testes Funcionais: ✓ PASSOU
Todos os Testes: ✓ PASSOU

Relatórios gerados em:
- reports/report.html (relatório geral)
- reports/unit_report.html (testes unitários)
- reports/functional_report.html (testes funcionais)
```

  

```
PS D:\Estudos\Faculdade\Qualidade De Software\TRAB2> |
```

```

3. Executando Todos os Testes e Gerando Relatório Geral...
=====
platform win32 -- Python 3.12.5, pytest-7.4.3, pluggy-1.6.0 -- C:\Users\User\AppData\Local\Programs\Python\Python312\python.exe
cachadir: .pytest_cache
metadata: {'Python': '3.12.5', 'Platform': 'Windows-11-10.0.26100-SP0', 'Packages': {'pytest': '7.4.3', 'pluggy': '1.6.0'}, 'Plugins': {'anyio': '4.11.0', 'Faker': '20.1.0', 'tm': '4.1.1', 'metadata': '3.1.1', 'xdist': '3.5.0'}}
rootdir: D:\Estudos\Faculdade\Qualidade De Software\TRAB2
configfile: pytest.ini
plugins: anyio-4.11.0, Faker-20.1.0, html-4.1.1, metadata-3.1.1, xdist-3.5.0
collecting ... collected 29 items

tests/functional/test_login.py::TestLogin::test_login_with_valid_credentials PASSED [ 3%]
tests/functional/test_login.py::TestLogin::test_login_with_invalid_email PASSED [ 6%]
tests/functional/test_login.py::TestLogin::test_login_with_wrong_password PASSED [ 10%]
tests/functional/test_login.py::TestLogin::test_login_with_empty_fields PASSED [ 13%]
tests/functional/test_login.py::TestLogin::test_login_with_unregistered_email PASSED [ 17%]
tests/functional/test_registration.py::TestRegistration::test_register_with_valid_data PASSED [ 20%]

```

**report.html**

Report generated on 01-Dec-2025 at 14:59:04 by [pytest.html](#) v4.1.1

### Environment

Python	3.12.5
Platform	Windows-11-10.0.26100-SP0
Packages	<ul style="list-style-type: none"> <li>• pytest: 7.4.3</li> <li>• pluggy: 1.6.0</li> </ul>
Plugins	<ul style="list-style-type: none"> <li>• anyio: 4.11.0</li> <li>• Faker: 20.1.0</li> <li>• html: 4.1.1</li> <li>• metadata: 3.1.1</li> <li>• xdist: 3.5.0</li> </ul>

### Summary

29 tests took 00:03:23

(Un)check the boxes to filter the results:

<input type="checkbox"/> 0 Fails	<input checked="" type="checkbox"/> 29 Passed	<input type="checkbox"/> 0 Skipped	<input type="checkbox"/> 0 Expected failures	<input type="checkbox"/> 0 Unexpected passes	<input type="checkbox"/> 0 Errors	<input type="checkbox"/> 0 Reruns
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Show all details / Hide all details

Result: ▲ Test

	Duration	Links
Passed	tests/functional/test_login.py::TestLogin::test_login_with_valid_credentials	00:00:22
Passed	tests/functional/test_login.py::TestLogin::test_login_with_invalid_email	00:00:18
Passed	tests/functional/test_login.py::TestLogin::test_login_with_wrong_password	00:00:20
Passed	tests/functional/test_login.py::TestLogin::test_login_with_empty_fields	00:00:16
Passed	tests/functional/test_login.py::TestLogin::test_login_with_unregistered_email	00:00:16
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_valid_data	00:00:17
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_password_mismatch	00:00:18
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_existing_email	00:00:22
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_invalid_fields	00:00:17
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_empty_fields	00:00:17
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_short_password	00:00:19
Passed	tests/unittest_transaction.py::TestTransaction::test_transfer_with_sufficient_balance	1 ms
Passed	tests/unittest_transaction.py::TestTransaction::test_transfer_insufficient_balance	0 ms
Passed	tests/unittest_transaction.py::TestTransaction::test_transfer_invalid_amount	0 ms
Passed	tests/unittest_transaction.py::TestTransaction::test_deposit_valid_amount	0 ms
Passed	tests/unittest_transaction.py::TestTransaction::test_deposit_invalid_amount	0 ms
Passed	tests/unittest_transaction.py::TestTransaction::test_withdraw_sufficient_balance	1 ms
Passed	tests/unittest_transaction.py::TestTransaction::test_withdraw_insufficient_balance	0 ms

## unit\_report.html

Report generated on 01-Dec-2025 at 14:50:52 by [pytest-html](#) v4.1.1

### Environment

Python	3.12.5
Platform	Windows-11-10.0.26100-SP0
Packages	<ul style="list-style-type: none"><li>• pytest: 7.4.3</li><li>• pluggy: 1.6.0</li></ul>
Plugins	<ul style="list-style-type: none"><li>• asyncio: 4.1.0</li><li>• Faker: 20.1.0</li><li>• html: 4.1.1</li><li>• metadata: 3.1.1</li><li>• xdist: 3.5.0</li></ul>

### Summary

18 tests took 78 ms.

(Un)check the boxes to filter the results:

Result	Test	Duration	Links
Passed	tests/unit/test_transaction.py::TestTransaction::test_transfer_with_sufficient_balance	70 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_transfer_insufficient_balance	1 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_transfer_invalid_amount	0 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_deposit_valid_amount	0 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_deposit_invalid_amount	0 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_withdraw_sufficient_balance	0 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_withdraw_insufficient_balance	0 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_transaction_extreme_values	0 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_validate_transaction_amount	0 ms	
Passed	tests/unit/test_transaction.py::TestTransaction::test_can_transfer	0 ms	
Passed	tests/unit/test_user_validator.py::TestUserValidator::test_validate_email_valid	1 ms	
Passed	tests/unit/test_user_validator.py::TestUserValidator::test_validate_email_invalid	0 ms	
Passed	tests/unit/test_user_validator.py::TestUserValidator::test_validate_password_valid	0 ms	
Passed	tests/unit/test_user_validator.py::TestUserValidator::test_validate_password_invalid	0 ms	
Passed	tests/unit/test_user_validator.py::TestUserValidator::test_validate_name_valid	0 ms	
Passed	tests/unit/test_user_validator.py::TestUserValidator::test_validate_name_invalid	0 ms	
Passed	tests/unit/test_user_validator.py::TestUserValidator::test_validate_user_data_valid	1 ms	
Passed	tests/unit/test_user_validator.py::TestUserValidator::test_validate_user_data_multiple_errors	0 ms	

## functional\_report.html

Report generated on 01-Dec-2025 at 14:54:56 by [pytest-html](#) v4.1.1

### Environment

Python	3.12.5
Platform	Windows-11-10.0.26100-SP0
Packages	<ul style="list-style-type: none"><li>• pytest: 7.4.3</li><li>• pluggy: 1.6.0</li></ul>
Plugins	<ul style="list-style-type: none"><li>• asyncio: 4.1.0</li><li>• Faker: 20.1.0</li><li>• html: 4.1.1</li><li>• metadata: 3.1.1</li><li>• xdist: 3.5.0</li></ul>

### Summary

11 tests took 00:03:19.

(Un)check the boxes to filter the results:

Result	Test	Duration	Links
Passed	tests/functional/test_login.py::TestLogin::test_login_with_valid_credentials	00:00:22	
Passed	tests/functional/test_login.py::TestLogin::test_login_with_invalid_email	00:00:17	
Passed	tests/functional/test_login.py::TestLogin::test_login_with_wrong_password	00:00:21	
Passed	tests/functional/test_login.py::TestLogin::test_login_with_empty_fields	00:00:16	
Passed	tests/functional/test_login.py::TestLogin::test_login_with_unregistered_email	00:00:16	
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_valid_data	00:00:17	
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_password_mismatch	00:00:17	
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_existing_email	00:00:21	
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_invalid_fields	00:00:17	
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_empty_fields	00:00:17	
Passed	tests/functional/test_registration.py::TestRegistration::test_register_with_short_password	00:00:17	