WEBT-VT | ADV | Basic Unit Tests in PHP

Definition of Done

A user story is considered **Done** when all of the following criteria are met:

- All acceptance criteria for the user story are fully implemented and verified
- All unit tests are written using PHPUnit framework following PSR-4 autoloading standards
- Tests include positive cases, negative cases, edge cases, and boundary conditions
- All tests pass successfully without errors or warnings
- Test results and coverage reports are generated and accessible
- All test code has been reviewed and approved by a peer developer
- Test code follows consistent naming conventions and includes proper documentation
- Tests catch regressions and prevent deployment of broken code

User Story 1

As a developer, I want to implement basic unit tests, so that I can verify the functionality of my code during the development process.

Acceptance Criteria

- Basic unit tests are written for a given function or method using a chosen testing framework.
- A test class is created following PHPUnit conventions.
- The tests cover both expected and edge case scenarios.
- The unit tests execute successfully and validate the correctness of the code.
- Test results are documented and reviewed for accuracy and completeness.

User Story 2

As a Developer I want to achive a test coverage of over 75 % for my web app, so that I can be sure functions work as intended.

Acceptance Criteria

- The test coverage for the PHP code of the web app is >= 75 %
- At least 3 different forms of assertions are used
- The unit test setup include fixtures
- The test suite is composed using the file system