

TEST PLAN

Test Plan - Budget Management Platform - record component

1.Introduction

The main purpose of testing process is to provide stakeholders with information about the compliance of implemented software with requirements, enabling them to make a decision to release the software to the market.

This document contains key information about the testing process. It contains information such as the scope of the tests and the test schedule.

2. Scope of the tests

Types of tests that will be included in the scope of the testing process:

- Unit tests
- Integration tests
- Functional tests
- Regression tests

Types of tests that will NOT be included in the scope of the testing process:

- Automatic: lack of competences/ specialists to do this type of tests
- Security tests: the client will carry out these tests on behalf of their company, using their own resources and expertise

3. Subject of the tests

Budget Management Platform

Adding a new record including all its types:

- Expense
- Income
- Transfer

4. Acceptance criteria to consider tests as passed

- Unit tests - verifying operation of the component of the system based on specification
- Integration tests - verifying operation of the integration between the components based on specification
- Functional tests -
 - verifying functionality based on user stories
 - execution of created test cases
 - verifying the backend layer
- Regression tests - testing previously tested and working functionalities

5. Input/output criteria

Input criteria:

Unit tests, Integration tests, Functional tests, Regression tests:

- The implementation phase of the feature of adding a new record has been completed
- Specification available
- A working and configured test environment
- Available team of people with appropriate technical competences

Output criteria:

Unit tests:

- The component meets all established assumptions from the attached documentation

Integration tests:

- The part of the system meets all established assumptions from the attached documentation

Functional tests:

- Functional verification based on user story has been completed successfully
- All test cases has been completed successfully
- Backend layer verification has been completed successfully

Regression tests:

- No negative effects of the changes and updates introduced in the subject of testing

6. List of requirements/ functionalities to be tested

Attaching all documentation, user stories, scenarios, etc.

7. Test environment

Environment: Test server [Development]

Device: Apple MacBook 16'' 2021 M1 Pro

System: macOS Sonoma 14.1.2

Browsers: Safari, Chrome

8. Test schedule

1. Unit tests

- Verifying operation of the component of the system based on specification - 1 h

2. Integration tests

- Verifying operation of the integration between the components based on specification - 3/4 h

3. Functional tests

- Verifying functionality based on user stories - 3h
- Execution of created test cases - 1h
- Verifying the backend layer - 2h

4. Regression tests

- Verification and possible repair of the operation of previously tested and working functionalities - 4 hours

9. Test report

1. List of completed test cases with statuses
2. Other test reports e.g. summary test report, regression test report

10. List of tools used in tests

- Testlink - creating a test plan
- Jira - adding bug reports
- Jam - screenshots and screen recordings
- Browserstack - testing on various devices and browsers
- Postman - API testing

11. Bug management

In the testing process, any bug detected should be appropriately reported to the Jira system.

Each bug must have an appropriate priority and a person assigned to it

According to the principles adopted by our company, this problem should remain fixed by the developer and sent for retest.

12. Roles and responsibilities

- Patrycja Orczykowska -
 - create and execution of test cases
 - verification of the backend layer
- Jan Kowalski - (...)