Test Plan

1.0

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# Introduction

## General information

This document describes the methods and procedures that will be used in the functional testing process on password hashing application.

## Objective

Test password hashing application finding the bugs on it informing the test strategy and process to follow executing test cases created. The QA team is responsible for testing the product and ensuring it meets their needs.

# Scope

Testing scope should cover the requirement specification for password hashing application

Api test cases will be created to cover known requirements.

# Work plan

The parties agreed to follow the next work plan:

1. Test plan preparation

2. Test plan approval

3. Api testing and bugs reporting

4. Daily reports preparation

5. Final report preparation

# Test plan and Test strategy

## Api testing

This testing type is to make sure that the whole software product works according to the requirements, and no unknown errors appear in the application.

| Test objective | Ensure proper target-of-test functionality |
| --- | --- |
| Technique | Execute each use case, use-case flow, or function, using valid and invalid data, to verify the following:  ● The expected results occur when valid data is used.  ● The appropriate error or warning messages are displayed when invalid data is used.  ● Each rule is properly applied. |
| Entry Criteria | ● The application construction is completed.  ● The test engineers are dedicated.  ● Necessary devices, instruments, and other equipment are acquired.  ● Test environment is prepared, and the application is released to the test environment |
| Completion Criteria: | All the planned tests are performed.  ● There are no show-stopping errors.  ● All the errors were identified  ● The test results are evaluated, discussed and approved. |
| Special Considerations: | None |

## Bug Report

Bug reports are created in order to provide the development team and the project managers with exhaustive information about the discovered defects. They must be helpful in determining causes of the errors and correcting them.

The information that is indicated in each bug report:

● the software product name;

● version number of the software product (if tested on mobile);

● the browser on which the tests were performed. Each report provides the next information about the defect:

● summary, which is short description of the problem;

● location of the defect in the software product;

● steps to reproduce the error;

● frequency of the defect occurrence;

● severity of the defect;

● additional information about the defect in the form of attached screenshots or video records.

Third party software will be used for reporting and maintaining discovered errors. The test team will log in that software all the defects that will be found during the testing process.

# Resources

| Name of process | Tool |
| --- | --- |
| Defect Tracking | Excel |
| Test Cases | Github |

# Deliverables

Test plan

Test cases

Bug report