

“Determinant of alloy impurities from the image” Test Plan

Test Plan Identifier

Test determinant of alloy impurities 0.1

References

Referenced documents include:

- the Project Plan
- Requirements Specifications
- Methodology guidelines and examples

Introduction

The goal of the plan is to test the algorithm for finding impurities in the alloy and the basic functionality of the application.

Features To Be Tested

Features to be tested include the following:

- As a user, check the ability to upload photos (medium)
- As a user, check the display of the processed photo (medium)
- As a user, check the correctness of photo processing (medium)
- As a user, evaluate the final values (high)
- As a tester, check the algorithm for finding occurrences (high)

Approach

The tests will be conducted in two modes: functional and unit-testing mode. The first three features will be tested with functional testing. The rest will be tested by writing unit tests.

Pass/Fail Criteria

- Criteria for functional testing are defined by satisfying the parameters of the UI specification.
- Criteria for unit testing are defined by the passing of all tests for the algorithm, its intermediate and final values.

Suspension Criteria

Testing must be suspended if the application does not meet UI requirements (incorrect handling of UI interactions).

Testing Tasks

The following actions need to be performed:

- Prepare a test plan.
- Functional specifications are written and handed over to the testing team.
- A sample for testing an appropriate version is compiled in advance.
- Execute the tests.
- Prepare a brief test report.

Environmental Needs

It is necessary to prepare photos with impurities for testing.

Staffing And Training Needs

Testing should be performed by two testers and an alloy specialist. One of the testers is responsible for functional testing (UI), the other for writing tests for the algorithm. A specialist supervises the testers at all stages.

Schedule

Testing is carried out when necessary and when the appearance of a new version of the product.

Approvals

After a product has been successfully tested, it is necessary to move on to the next version of the product

TEST PLAN OUTLINE: <https://jmpovedar.files.wordpress.com/2014/03/ieee-829.pdf>