**Test Plan**

1. **ID**

Notepad testing

**2. Intruduction**

This document is a test plan for testing the desktop application of Notepad Version 6.1. He describes the strategy and approaches to testing the product. The plan is used to validate the quality of the software.

# 3. Test items

The following is a list of functional testing objects:

* work with files;
* print;
* changing the parameters of the work;
* edit;
* formatting;
* change in appearance;
* help call;

**4. Features to be tested**

Notepad functions, from the user's point of view, that will be tested:

- opening a file using Notepad;

- file creation;

- application closing;

- printing;

- changing the parameters of work;

- editing;

- formatting;

- change in appearance;

- call help.

**5. Features no to be tested**

Notepad functions, from the user's point of view, that will not be tested:

- "Print" function - page range: selection, page selection, sort by copies. The reason is, firstly: the physical printer will not be used for testing; secondly: this functionality is not active on the virtual printer, as well as for printing to a file.

- The "Page Setup" function is the paper feeding method. Reason - this functionality is not available on the virtual printer

# 6. Approach

During the testing of the application, non-functional testing will be performed

namely:

- interface testing

– usability testing

For functional testing, the following testing techniques will be used:

1) Splitting into equivalence classes (Fonts)

2) Analysis of boundary values ​​(Fonts)

3) Combinatorial testing. It is necessary to write a test plan, indicating all the key requirements, approaches, as well as responsibilities and competencies, respectively.

Writing test cases in accordance with the distributed responsibilities, their mandatory approval and registration in the management system test. When creating the last test case, compiling a matrix of traceability requirements and miscalculation of the coverage requirements of the tests.

# 

# 

# 7. Item pass/fail criteria

All test cases with high priority are closed with the result "pass".

The test coverage is checked and is sufficient, where the criterion of sufficiency is not less than 99% of the coverage of requirements by tests. The test report was compiled and approved by the test lead and customer.

# 

# 8. Suspension criteria and resumption requirements

The criterion for interrupting the testing is the appearance and entering into the bug-tracking system of blocking bugs. The criterion for continuing testing is the closure of the blocking bug in the bug tracking system.

**9. Test deliverables**

The result of testing is the receipt of the following documents: test plan, test case, matrix traceability requirements.

**10. Testing tasks**

|  |  |
| --- | --- |
| **Task** | **Location** |
| Test plan writing | Create a test plan, responsibilities |
| Test cases writing | Objects of testing, duties |
| Development of criteria for the success of testing | Criteria of the success testing |
| Conducting the testing and evaluation of the results | Approach of testing, responsibilities |
| Test reports | Test results |

**11. Enviromental needs**

The testing application will occur on the following operating systems: Windows XP, Windows 7

# 12. Responsibilities

|  |  |  |  |
| --- | --- | --- | --- |
| № | Position | Duties | Responsible |
| 1 | Project manager | Writing a test plan; writing test cases for testing the following functions: opening, creating, closing; implementation of functional testing by hand; drawing up a traceability matrix | Thompson |
| 2 | Тest engineer | Writing test cases for testing the following function: saving; performing functional testing manually | Green |
| 3 | Test engineer | Writing test cases for testing the following function: Page parameters; exercise function testing manually | Brown |

|  |  |  |  |
| --- | --- | --- | --- |
| 4 | Test engineer | Writing test cases for testing the following function: printing; performing functional testing manually | Cooper |
| 5 | Test engineer | Writing test cases for testing the following function: Edit; performing functional testing manually | Viviani |
| 6 | Test engineer | Writing test cases for testing the following function: Format (except fonts), View, Help; performing functional testing manually | Gonzalez |
| 7 | Test engineer | Writing test cases for testing the context menu; performing functional testing manually | Van Persie |
| 8 | Test engineer | Writing test cases for testing hot keys; performing functional testing manually | Buurmeijer |
| 9 | Test engineer | Writing test cases for testing of fonts; performing functional testing manually | Armstrong |

**13. Staffing and training needs**

* to perform the tasks, you must have the following competencies: - knowledge and ability to use the rules for writing test plans, including those based on the IEEE-829 standard;
* knowledge and ability to apply test design techniques;
* knowledge of various types of testing including functional and non-functional, such as interface testing and usability testing;
* the ability to use the test management system selected for the current project, etc.;

Necessary trainings for project testing:

* training on font testing;
* training on the use of specific software for better and full testing of usability;

# 14. Schedule

Term approval and making all test cases in the test management system - 12/04/2017

23:59:59

The deadline for the preparation of reports is 12/04/2017 23:59:59

The deadline for the project is 1/11/2017 19:00:00

# 15. Risks and contingencies

Possible risks during testing:

• insufficient human resources for testing the application in the deadlines;

• lack of necessary equipment, software, data or tools;

• changes in the original requirements or instructions;

• the number of acceptable defects will be increased;

• the test team will work overtime. This can negatively affect the morale of the team;

• the scope of the plan can be changed;

• application testing can be simply stopped (an extreme case);

# 16. Approvals

Approval of test cases - Responsible project manager - Thompson