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## Test Plan Identifier

Level Test Plan, ID: Level-Notepad-1903, version 1.0

## Introduction

This document is a test plan for testing desktop applications Notepad version 1903. It describes the strategy and approaches to testing the product. The plan is used to validate software quality. The purpose of testing this program is to verify the correct workflow of its functionality.

## Test Items

Test item of this plan is software Notepad in version 1903 for Windows.

The Notepad program is designed to perform simple text editing and create simple documents. Most often, Notepad is used to view and edit text (TXT) files, might be used as a simple tool for creating web pages structure.

## Features to be Tested

Following features would be tested:

* opening and closing of program, extra windows
* work with files: opening, creating, saving a document (simple and with exta parameters
* change and save of work parameters: orientation, margins, footers, paper size and feed
* text operations: paste, copy, delete, cut, replace
* editing: time and date, selection, text search
* formatting: word wrap, fonts
* change of view: scaling, displaying the status bar
* help
* text input field: hot keys and special features of working with text

## Features Not to Be Tested

Following features will not be covered in this test:

* Installing and uninstalling the application (low priority for testing these functions, due to the fact that this program comes bundled with the operating system in most cases and does not require installation)
* Performance testing (lack of resources)
* Reliability of the application (lack of resources)
* Stability testing (lack of resources)
* Print functions (a physical printer will not be used for testing)

## Approach

During system testing of the application, non-functional testing will be carried out:

- interface testing

- usability testing

The following techniques will be used for functional testing:

1) Classification into equivalence classes

2) Analysis of boundary values

3) Error Guessing.

It is planned to carry out intuitive testing and testing based on documentation using both positive and negative tests. It is planned to use gray and black box methods.

Testing is supposed to be carried out in manual mode, without the use of automated systems.

## Item Pass/Fail Criteria

The testing process is considered complete under the following execution conditions:

* Test coverage is verified and sufficient
* All test cases with high priority are closed with the result “pass”
* Test report compiled and approved by test lead

## Suspension Criteria and Resumption Requirements

Сriteria to be used to suspend the testing activity:

* the number of critical defects in which further testing is not rational
* presence of blocking bugs

Requirement to resume testing:

* elimination of blocking bugs
* elimination of 80% of critical bugs (if they are excessive at the previous stage of testing)

## Test Deliverables

* Test plan
* Check list
* Test cases
* Bug reports

## Test Environment

OS Windows 10

## Estimates

## Estimates in man-hours:

## Creating a test plan – 2 man-hours

## Creating a check list – 3 man-hours

## Writing test cases and adding them to the test management system – 50 man-hours

## Compilation of requirements traceability matrix – 3 man-hours

## Testing and bug reporting – 80 - 95 man-hours

## Reporting Test Results – 5 man-hours

## The total number of personnel required and their roles:

## Lead 1 person Tester 4 persons

## Schedule

|  |  |
| --- | --- |
| The deadline for creation of all test cases in the test management system | 15.11.2019 |
| The deadline for reporting | 18.11.2019 |
| Test completion date | 18.11.2019 |

## Responsibilities

|  |  |
| --- | --- |
| Role | Responsibilities |
| Lead | Creating a test planCreating a check list  1. Writing test cases 2. Compilation of requirements traceability matrix 3. Reporting Test Results |
| Testers 1-4 | 1. Writing test cases and adding them to the test management system 2. Testing and bug reporting |

## Risks

Possible risks during testing:

* not enough human resources to test the application on time
* lack of necessary equipment, software, data or tools
* the number of permissible defects will be increased
* application testing can be suspended