

# Test Plan of MS NotePad

Short Name for Plan	Version	Date	Revision	Author
MS NotePad	1.1	18.09.2017	1.0	Yuliia Beseda

## Introduction

This is a Master Test Plan for the MS NotePad application designed for Windows. Notepad is a basic text editor that is used to mostly create simple documents and keep information.

The main purpose of this test plan is checking the quality of software MS NotePad in Windows Operating Software: XP, Windows 7 and 10.

## Test items

Test Items	Items Outside of the Scope of Testing (include reasoning)
Menu Items: File, Edit, Format, View, and Help	
Windows Operating Software: XP, Windows 7 and 10	According to statistics, nearly 86% use one of those 3 operating systems. No other operating system will be tested due to NotePad being a Windows based application ("Browser Statistics", n.d.) and NotePad does not treat newlines in Unix or Mac style text files correctly.

### Documentation used as inputs for Test Object:

- Description in Help

## Features to be tested

- 1) File Menu Options
  - a) New file using mouse; shortcut
  - b) Open file using mouse; shortcut
  - c) Save file using mouse; shortcut
  - d) Save As
  - e) Page Setup
  - f) Print file using mouse; shortcut
  - g) Exit file
- 2) Edit Menu Options
  - a) Cut
  - b) Copy
  - c) Paste

- d) Delete
- e) Undo
- f) Find
- g) Replace
- h) Go to
  - Word Wrap on
  - Word Wrap off
- i) Select All
- j) Time/Date

3) Format Menu Options

- a) Word Wrap
  - Wrap
  - Unwrap
- b) Font
  - Change font type
  - Change font style
  - Change font size

4) Help Menu Options

- a) Open Help
  - Search Help
- b) Open About...

5) Mouse Right-click Options

- a) Right to left reading order
- b) Left to right reading order
- c) Show Unicode control characters
- d) Insert Unicode control characters
- e) Open IME (Input Method Editor)
- f) Close IME (Input Method Editor)

6) Application interaction with keyboard and mouse

- a) Initial focus after minimize and reopen
- b) Tab behavior
- c) Insert text
- d) Cut (Ctrl+X); Copy (Ctrl+C); Paste (Ctrl+V)
- c) Capitalization (Shift and Caps Lock)
- d) Extended ASCII (Alt+XXX)
- e) Backspace to delete
- f) Arrows to move right, left, up and down within page
- g) Page Up and Page Down
- h) Highlight and Delete
- i) Highlight and Enter
- j) Num Lock
- h) Character Map (Extended ASCII)

7) Character sets

- a) Complete ANSI
- b) Complete Unicode,

- c) Complete big-endian Unicode
  - d) Complete UTF-8
- 8) Specifications
- a) Color scheme
    - Default
    - Accommodate themes
  - b) Font types
  - c) Font scripts
  - d) Maximum and minimum font sizes
  - e) Maximum and minimum file sizes
- 9) Location
- a) Desktop
  - b) Task bar
  - c) Quick-start menu
  - d) Applications menu
- 10) Interoperability
- a) Different Windows Operating System
  - b) File conversion to/from MS Word
  - c) Copy to/from Notepad and MS Word
  - d) Cut to/from Notepad and MS Word
  - f) Copy from MS Word to Notepad with image
  - g) Copy from MS Word to Notepad with table
  - h) Cut to/from Notepad and MS Word

## Features not to be tested

Testing third-party plug-ins as this is not an obligatory addition to this program.

Security and access control testing.

Installation testing.

## Approach

We will use the risk-based testing philosophy – each test will be prioritized as: High, Medium, or Low with the High priority tasks being scheduled first. We will take into consideration some exceptions which may include:

- Some low priority test cases may be executed quickly or using very little resources
- Conflicts in schedules may come up due to illnesses, vacations, etc. that may cause low priority to be scheduled while a team member is unavailable.
- Some priority tests may be a pre-requisite for tests that are a higher priority – expensive and high priority tests might need inexpensive and lower priority tests to be passed first.
- Navigational and other functional tests may be scheduled first due to comprehensive requirements lacking because this will enable testers the opportunity to become familiar with the application.

- Because the application is smaller, and not a large amount of users, testing will be limited to just manual testing.
- Type of testing to be performed:
  - **User Interface testing:** Type of testing which is performed to check how user-friendly the application is. It is performed by testing teams.
  - **Compatibility/configuration testing** – to test various Windows operating systems: this will be necessary to not only make sure compatible with the Windows 7 32 bit/64 bit based NotePad, but be compatible with a previous released version (i.e. Windows XP), and how will it perform with a version released later (i.e. Windows 10 32 bit/64 bit).
  - **Performance testing** - to determine how the application performs in terms of responsiveness and stability under a particular workload. It can also serve to investigate, measure, validate or verify other quality attributes of the system, such as volume, reliability and resource usage.
  - **Comparison testing** – testing technique to compare the product strengths and weaknesses with previous versions.
  - **Agile testing** – emphasize testing from the perspective of the customer that will use the system.
  - **Black box testing** – will verify the function of the application without having specific knowledge of the application's code/internal structure. Tests are based upon requirements and functionality.
  - **Regression testing:** Type of software testing that seeks to uncover software errors after changes to the program (e.g. bug fixes or new functionality) have been made, by retesting the program. It is performed by the testing teams.

**As the test data will be used:**

- a set of text data combined into text documents and having the following form (\*\*\*\*.txt, \*\*\*\*.css, \*\*\*\*.html)

**Test Techniques:**

We will check the software for usability such as making sure the menu items work properly. We will also want to verify that the Windows 7 version of the application is compatible with previous Windows versions (i.e. Windows XP), as well as Windows versions released later (Windows 10).

## Item pass/fail criteria

- ✓ The documentation has been verified, all document defects have been fixed
- ✓ Requirement coverage for application is 100%
- ✓ 80% of tests passed with the result «pass»;
- ✓ The test report is compiled and approved by the team lead and the project manager.

## Suspension criteria and resumption requirements

Criterion for interrupting testing:

- the appearance and entering into the bug-tracking system of blocking bugs.

Criterion for continuation of testing:

- closing the blocking bug in the bug tracking system.

## Test deliverables

- Test Plan
- Test Design Specifications
- Test Cases
- Test Reports
- Test Summary Report

## Test tasks

### Test Tasks and Schedule:

Task	Effort (hours)	Completion Date	Notes
<i>Test Plan</i>	8 hours	18.09.2017	
<i>Test Design Specifications</i>	5 hours	19.09.2017	
<i>Training if necessary</i>	3 hours	20.09.2017	Development of success criteria testing
<i>Test Cases</i>	80 hours	04.10.2017	Assumes 2 people working on project at 40 hours a week for a total of 80 hours (16 hours a day)
<i>Test Execution</i>	60 hours	10.10.2017	includes meetings and reports
<b>Total Hours</b>	<b>156</b>		

## Environmental needs

### Test System/Database/Environment Needs:

Function	System	Location	Notes
<i>Hardware</i>	<i>PC with minimum requirements: Intel Pentium 4 or AMD Athlon x64; 1 GB RAM;</i>	<a href="http://www.amazon.com/Best-Sellers-Computers-Accessories-Laptop/zgbs/pc/565108/?_encoding=UTF8&amp;camp=1789&amp;creative=390957&amp;linkCode=ur2&amp;tag=clanfootcom-20">http://www.amazon.com/Best-Sellers-Computers-Accessories-Laptop/zgbs/pc/565108/?_encoding=UTF8&amp;camp=1789&amp;creative=390957&amp;linkCode=ur2&amp;tag=clanfootcom-20</a>	<i>Recommend a laptop website that lists the top selling laptops which may be necessary if current systems do not meet the requirements</i>

	10/100 Fast Ethernet adapter; 40GB hard drive with at least 15% free space; current firewall and ant-virus software installed		
Operating System	Windows XP, 7, and 8		
Software	MS Office		NotePad version 6.1
Printer	HP Photosmart 5520 recommended if need to purchase	<a href="http://www.intellireview.com/productDetail.php?prodid=993751583&amp;category=d100021">http://www.intellireview.com/productDetail.php?prodid=993751583&amp;category=d100021</a>	Any printer will work, but if a printer needs to be purchased, then recommend purchasing the most popular printer according to IntelliReview.

## Responsibilities

Role	Name	Responsibilities
Test Lead	Cool Girl	including but not limited to: <ul style="list-style-type: none"> <li>✓ Prepare the test plan</li> <li>✓ Overseeing the Testing Department</li> <li>✓ Allocating the resources to the projects</li> <li>✓ Reviewing the reports of the tester's and taking any action that is necessary</li> <li>✓ Provide support to the testing team</li> <li>✓ Attend any meetings that are necessary</li> <li>✓ Review the test plan and cases</li> </ul>
QA Testers	Young Tester 1 Old Tester 2	including but not limited to: <ul style="list-style-type: none"> <li>✓ understand the requirements of the project</li> <li>✓ prepare &amp; update the test case document</li> <li>✓ conduct the testing</li> <li>✓ attend any necessary meetings</li> </ul>

		✓ verify and log the defects
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## Staffing and training needs

- general knowledge of NotePad;
- familiar with Microsoft Windows;
- knowledge and practical application of the IEEE-829 standard;
- knowledge and ability to apply in practice the basic techniques of test design;
- knowledge of various types of testing including functional and non-functional.

## Schedule

**Test Schedule:** 22 calendar days Monday – Friday 9:00 am to 6:00 PM for a total of 156 hours (beginning 18.09.2017)

## Risks and contingencies

Identified Risk	Risk Mitigation Strategy	Notes
Requirements change	reduce tests performed or decide not to implement low priority testing	
personnel loss	resources will be added by working overtime or bring in additional testers	

## Approvals

Project Manager	
Test Lead	
QA 1	
QA2	

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