

# TEST PLAN GREENSHOT 1.1.6.2779

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## 1. TEST PLAN IDENTIFIER

GS1 V0.1

## 2. REFERENCES

<http://getgreenshot.org/help/>

<http://getgreenshot.org/faq/>

<http://en.wikipedia.org/wiki/Greenshot>

## 3. INTRODUCTION

Greenshot is a light-weight and open source screenshot software tool for Windows. The program can create quick screenshots of a selected region, window or fullscreen. You can easily annotate, highlight or obfuscate parts of the screenshot. The captured screenshot can be exported in many various ways. All this in a very easy way. The program is built to be an efficient tool for project managers, software developers, technical writers, testers and anyone else creating screenshots.

## 4. INFORMATION OBJECTIVES

Find bugs that the Greenshot team or users haven't found when they did their tests. Also to explore usability and quality characteristics that can be of improvement for the current version.

## 5. QUALITY CHARACTERISTICS

The capability of Greenshot have been tested by users so what we need to look for it's side effects when going through the functions.

- Check out that greenshot is doing what it is supposed to do without doing what it's not supposed to do.

- Interoperability: Test how Greenshot interacts with different web browsers (IE, Firefox, Chrome and Opera)
- Interoperability: E-mail, MS Paint, Upload to Imgur, Flickr, Picasa, Copy to clipboard, Image editor, send to printer; do they interact with Greenshot in a way they should?
- Interoperability: Does Greenshot work with all plugins that is possible to install?
- Do Greenshot have the ability to perform multitasking, and run at the same time as some processes that are likely used together with Greenshot like MSPaint, Outlook Express, digital camera and printer?
- Reliability. Can we trust Greenshot in many and difficult situations?
- Stress handling: how does the system cope when exceeding various limits, such as memory use, processor usare or graphic card usage?

Usability. Is the greenshot easy to use for a tester?

- Intuitiveness: is Greenshot easy to understand and explain what the product can do.
- Learnability: it is fast and easy to learn how to use Greenshot.
- Memorability: once you have learnt how to do something you don't forget it.
- Interactivity: Greenshot has easy-to-understand states and possibilities of interacting with the application (via GUI or API).
- Clarity: is Greenshots menus, help and FAQ-side stated explicitly and in detail, with a language that can be understood, leaving no room for doubt?
- Accessibility: Can Greenshot be used the same way for internet explorer as for chrome, firefox, opera.
- Documentation: Does the "Help" page help, and matches the functionality.

Performance. Is the product fast enough?

- Capacity: is there many limits of the Greenshot, for different circumstances (e.g. slow network.)
- Resource Utilization: does Greenshot usa appropriate size of memory, storage and other resources.
- Throughput: Greenshots ability to process many, many things.
- Endurance: can Greenshot handle load for a long time?

## 6. INFORMATION SOURCES

Greenshots webpage: <http://getgreenshot.org/>

- Information about and goal for the program
- Help
- FAQ
- contact with developer through greenshots forum, Jens Klingen

Youtube video  
Test project team

## 7. TEST ITEMS

**Usability:** to test if the application is “easy to use” as mention

**Stability:** of the program performs in the right way after running it for a day or two

**Compatibility:** to test if there is any side effect when the software is runned same time as other software is been run on the computer

## 8. SOFTWARE RISK ISSUES

- Using too much resource in the background
- Tests before were made by users
- Program crashes when put under realistic stress.

## 9. FEATURES TO BE TESTED

- Side-effects
- Usability for target groups, testers
- Usability:
  - How easy it is to use the application?
  - How stable is the new upgrade?
  - Is the application using too much resources in the back ground?
- Resources over several days

## 10. FEATURES NOT TO BE TESTED

Common use of function, that kind of test has already been done.

- taking, saving, edit snapshot

Compatibility and install-tests (are mostly covered by user feedback).

## 11. APPROACH (STRATEGY)

In order to achieve our goals on some of the items that needs to be tested, we will be combining different test strategies which includes Scenario testing, stress test and maybe automated testing.

### **Scenario testing:**

This will help us in capturing how the product will be used and also to simulate some of the features to be tested e.g *usability*. this will help to reduce the complexity of the application.

### **Stress Test:**

From productivity perspective regarding who the target groups/ users are, a stress test will be performed to investigate if there is memory leak or increase in resources usage because ***“Greenshot is designed to run in the background at all time”***

### **Automated testing:**

Once we have created a user scenario and identify our stress test, a combination of both scenario and stress test might be automated to keep the application run for a day or two in order to investigate the stability, memory leakage or increase in resources usage.

### **Summary**

Scenarios where we have the program going on for several days. if needed, a scenario testing with an end to end flow will then be converted into some sort of automated testing that will keep the be the program running for days.

*NOTE: this approach is subject to future change and improvement if need...*

## 12. ITEMS PASS/FAIL CRITERIA

Base on our test strategy stated above, these test result will serves as a criteria for pass or fail. both Automated and Manual testing will be carried out as well to identify pass or fall.

## 14. TEST DELIVERABLES

- documented test plan
- Bug reports
- Test incident
- Test summary Report

## 15. REMAINING TEST TASKS

None for now.

## 16. ENVIRONMENTAL NEEDS

- A suitable test-tool will have to be acquired, so that we can perform automated testing and stress tests.
- Operating systems
  - Windows 7
  - Windows XP
  - Virtual Window 8 on Mac
- Internet connection
- Hardware machine that supports windows operating system

## 17. STAFFING AND TRAINING NEEDS

Test team needs training in using test-tools.

## 18. RESPONSIBILITIES

The test will be carried out by all members of Group 4 Test team which includes Sofia, Staffan, Shahraz and Kelvin. Final approval and mentoring will be carried out by Rikard (Module leader)

## 19. SCHEDULE

Date for testplan GS1 V0.1 to be finished: 2013-12-15

Date for testing: 2013-12-16 to 2014-01-31

Meetings:

Test-team: at least 2-3 times a week, short meetings to follow up each others work

Module leader and test-team: at least once a week to check that we are doing the tests correct.

## 20. PLANNING RISKS AND CONTINGENCIES

- lack of information and materials from developers/stakeholders
- lack of automation tools or other testing tools
- time allocated for testing greenshot

## 21. APPROVALS

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**Module Leader**

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**Project Leader**

## 22. GLOSSARY