



# **SYNCGALLERY+ UNIT TEST REPORT**

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Version 1.0

03/08/2012

Team 1

# Test Report

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## VERSION HISTORY

Date	Revision	Description	Author
08-Mar-12	1.0	Document Created	Sarah Yang

# Test Report

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## Table of Contents

1.0 INTRODUCTION .....	4
1.1 PURPOSE.....	4
2.0 TEST SUMMARY .....	4
2.1 UNIT Test .....	4
3.0 TEST ASSESSMENT .....	4
4.0 TEST RESULTS .....	4
4.1 UNIT TESTING/INTEGRATION/SYSTEM TESTING .....	4
4.2 UNIT TESTING .....	5
5.0 VARIANCES .....	9
6.0 TEST INSTANCES .....	9
6.1 RESOLVED TEST INCIDENTS .....	9
6.2 UNRESOLVED TEST INCIDENTS .....	9

# Test Report

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## 1.0 INTRODUCTION

### 1.1 PURPOSE

This SyncGallery+ Test Report provides a summary of the results of unit test performed as outlined within this document.

## 2.0 TEST SUMMARY

**Project Name:** SyncGallery+

**Version Number:** 0.1.0

**Date:** 09-Mar-12

**Additional Comments:** According to the Phase B document specification, only test report for the unit test is required. Therefore, this documentation is based on the results from unit test cases and some integration test cases.

### 2.1 UNIT Test

**Test Owner:** Sarah Yang, Hitha Dinesh, Will Ghorishi

**Test Date:** 09-Mar-12

**Test Results:** Fixed 4 defects and ignored 1 defect since last test.

**Additional Comments:** For detailed information about each of the unit test cases, refer to the document "Unit Test Cases"

## 3.0 TEST ASSESSMENT

The unit test cases basically covers all major functionalities of SyncGallery+, and most of the units have been broken down into different scenarios where applicable. In addition, all of the test cases are conducted manually due to the short length of the development cycle and the fact that a portion of the test cases are developed for checking user interface. Also, by "unit", we mean the smallest testable component. For some classes/functionalities where each of the method are inseparable, test cases are created for these classes or these groups of methods combined.

## 4.0 TEST RESULTS

### 4.1 UNIT TESTING/INTEGRATION/SYSTEM TESTING

Unit, integration, and system integration testing activities were performed during the development of the system build or release.

# Test Report

## 4.2 UNIT TESTING

The table below summarizes the test cases employed for the release unit testing and the final test results obtained for each test case.

Note: The four values for the field "Severity of Defect" are: Critical, Major, Minor, Insignificant

Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect	Summary of Defect	Closed prior to Production Release?	Comments
01-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
01-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
02-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
02-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
02-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
02-4	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
02-5	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
02-6-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
02-6-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
03-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
03-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
04-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
04-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
05-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
05-2-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-

## Test Report

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05-2-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
06	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
07-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
07-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
07-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
08	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
09	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
10	09-Mar-12	Sarah Yang	Pass	-	-	Yes	It will be saved into a new image as long as "Done" is clicked, not matter the image has been modified or not. But this is the way that Aviary has chosen to implement.
11-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
11-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
11-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
11-4	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
12-1	09-Mar-12	Sarah Yang	Pass/Fail	-	Has minor issue, but no affect on the overall functionality. See comments.	Yes	Doesn't work with directory deletion, because there'll be .thumbnail folder

## Test Report

							inside if it previously contains any images, which makes the directory non-empty.
12-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
12-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
12-4	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
12-5	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
12-6	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
13-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
13-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
14-1-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
14-1-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
14-2-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
14-2-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
14-2-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
15-1-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
15-1-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
15-1-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
15-1-4	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
15-2-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-

## Test Report

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15-2-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
15-2-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
15-2-4	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
16-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
16-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
16-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
17	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
18-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
18-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
18-3	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
19-1	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
19-2	09-Mar-12	Sarah Yang	Pass	-	-	Yes	-
20-1	09-Mar-12	Kobe Sun, Daniel Liu	Pass	-	-	Yes	-
20-2	09-Mar-12	Kobe Sun, Daniel Liu	Pass	-	-	Yes	-



# Test Report

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## 5.0 VARIANCES

The original plan was to divide the testing portion into both manual and automated testing. However, the testing team decided that it was not possible to create automated tests due to the fact that Dropbox requires authentication. Therefore, if automated tests were made to run code regarding Dropbox, it would have required the tester to go outside the testing environment. This same problem would pose for system testing as well. Automated testing would also not be required for Aviary because the only features we used were editing and that only required manual testing.

Nevertheless, this decision shouldn't affect the overall quality of SyncGallery+ because each component has been tested thoroughly via manual testing.

Furthermore, the test environment is the same as the operational environment for actual hardware devices (Android cell phones) has been leveraged for testing, rather than virtual devices.

## 6.0 TEST INSTANCES

The following are a list of defects found during the release testing on March 09, 2012.

**02-2:** The image taken vertically will be automatically rotated. But it is automatically rotated back into the original position again when it's opened via Aviary.

**12-1:** Doesn't work with directory deletion, because there'll be .thumbnail folder inside if it previously contains any images, which makes the directory non-empty.

**14-2-2:** Non-empty directories cannot be deleted due to 2 reasons: Any directory previously contained images will leave the .thumbnail folder behind, which user cannot manually delete on the device; The delete function used during implementation cannot delete non-empty directories.

**15-1-3:** The error message will always say "...SyncGallery folder..." no matter what the current directory is. Just a careless mistake.

**15-2-3:** The error message will always say "...SyncGallery folder..." no matter what the current directory is. Just a careless mistake.

### 6.1 RESOLVED TEST INCIDENTS

**02-2:** The problem has been fixed.

**14-2-2:** A loop has been added that helps user to first clear all contents inside the target directory, and then delete the directory.

**15-1-3:** The message has been changed to "...the current folder...".

**15-2-3:** The message has been changed to "...the current folder...".

### 6.2 UNRESOLVED TEST INCIDENTS

**12-1:** Not going to fix, since user can still manually delete from device and this minor issue doesn't affect other functionalities of SyncGallery+.