Claudio Test Report v0.4

1. Introduction

1.1 Purpose of application

Claudio aims to provide users a seamless and enjoyable listening experience when listening to their audio books on android devices.

1.2 General characteristics of the application

The application does not perform many or any major computations or calculations. Furthermore, it does not use a network connection in its current state.

2. Test environment

2.1 General description and prerequisites

All tests are done manually. Instructions on how to install the application can be found in the developer manual. As the application saves information on the device in form of .bookmark-files, it may be necessary to remove these after each test to ensure test consistency.

2.3 Hardware environment

The tests are run on the following devices:
- **7.1** Acer Aspire 3820TG with Intel Core i5-480M processor, 4GB DDR3, Radeon HD6550M graphics.
- **7.2** HTC Desire (HTC Bravo), 1GHz Qualcomm QSD8250 Snapdragon, 576MB RAM, 3.7" 480x800 WVGA Amoled
- **7.3** Lenovo ThinkPad R61

2.3 Software environment

2.3.1 Software used in the testing process
- **7.1** Pear Linux 5 with Eclipse Indigo
  - Android virtual device with API Level 16 (4.1)
- **7.2** Android 4.1.1 Jelly Bean
- **7.3** Windows 7 Ultimate with Eclipse Juno
  - Android virtual device with API Level 16 (4.1)

2.3.2 Software settings

Plain settings from fresh install. Snapshot disabled for virtual devices.

3. System information

3.1 System version

FINAL - Claudio v0.4 (tagged with 'release_0.4')

4. Known bugs and limitations

- Deleting the last book in the bookshelf when the book is playing causes the application to crash.
- Upon resuming a book, playback always starts from the beginning of the selected track.
- When switching orientation, playback stops entirely and the application crashes upon selecting a new book.
- Cover art of a playing book is not displayed.
- Elapsed time and progress bar in bookshelf does not update properly.

5. Test specification
The documentation for the acceptance tests carried out can be found in Claudio Acceptance Tests v1.0.0.

6. Automatic test
6.1 Code coverage
Currently, the project development process does not feature any code coverage tools that measure the coverage of automatic tests. It should however be noted that the definition of done defines that tests should cover at least 50% of all submitted code.

6.2 Daily builds
The project is automatically built each day using an ant script file *build.xml* within the project folder. Results of this build are presented through a Sonar information report.

6.3 Unit test
The individual classes of the application are tested using JUnit 3. The testing occurs whenever new functionality is integrated into the application to ensure that no existing functionality is broken. It should be noted that the testing of view module components and multithreading, such as the fragment classes and the PlayerController class, respectively, are limited due to time constraints. The main goal of the acceptance tests is therefore to cover the functionality of these through manual tests.

7. Test report
The version of the application tested within this report can be found at the official git repository tagged with 'release_0.4'. The following color scheme is used to indicate the outcome of an individual test case:
- Passed
- Failed
- Not implemented

7.1 Emulator run (Pear Linux 5)

Test ID	Result	Comment
1a	Passed	
1b	Passed	
1c	Passed	
2a	Passed	
2b	Passed	
3a	Passed	
3b	Passed	
4a	Not implemented	
4b	Not implemented	
4c	Not implemented	
4d	Not implemented	
5a	Passed	
6a	Failed	Playback starts from the beginning of the track. Marked with issue #41.
7a	Passed	
8a	Not implemented	
8b	Not implemented	
8c	Not implemented	
8d	Not implemented	
8e	Not implemented	
8f	Not implemented	
9a	Not implemented	
9b	Not implemented	
9c	Not implemented	

10a	Passed	
10b	Failed	Results in a crash. Marked with issue #47.
10c	Passed	
10d	Passed	
11a	Passed	
12a	Failed	Playback does not stop. Marked with issue #48.
12b	Failed	Relies on 12a.
13a	Failed	Playback continues, but only until the currently playing track finishes. Marked with issue #49.
14a	Failed	Author is not displayed correctly. Marked with issue #50.
15a	Passed	
16a	Passed	
16b	Passed	
17a	Not implemented	
17b	Not implemented	
17c	Not implemented	
17d	Not implemented	
18a	Not implemented	
19a	Passed	
19b	Passed	
20a	Not implemented	
21a	Not implemented	
21b	Not implemented	
22a	Not implemented	
22b	Not implemented	
22c	Not implemented	
23a	Not implemented	
24a	Not implemented	

24b	Not implemented	
25a	Not implemented	
25b	Not implemented	
26a	Not implemented	

Result: 54 tests run, 18 Passed, 6 Failed, 31 Not implemented

7.2 HTC Desire run (Android 4.1.1 Jelly Bean)

Test ID	Result	Comment
1a	Passed	
1b	Passed	
1c	Passed	
2a	Passed	
2b	Passed	
3a	Passed	
3b	Passed	
4a	Not implemented	
4b	Not implemented	
4c	Not implemented	
4d	Not implemented	
5a	Passed	
6a	Failed	Playback starts from the beginning of the track. Marked with issue #41.
7a	Passed	
8a	Not implemented	
8b	Not implemented	
8c	Not implemented	
8d	Not implemented	

8e	Not implemented	
8f	Not implemented	
9a	Not implemented	
9b	Not implemented	
9c	Not implemented	
10a	Passed	
10b	Failed	Results in a crash. Marked with issue #47.
10c	Passed	
10d	Passed	
11a	Passed	
12a	Failed	Playback does not stop. Marked with issue #48.
12b	Failed	Relies on 12a.
13a	Failed	Playback continues, but only until the currently playing track finishes. Marked with issue #49.
14a	Failed	Author is not displayed correctly. Marked with issue #50.
15a	Passed	
16a	Passed	
16b	Passed	
17a	Not implemented	
17b	Not implemented	
17c	Not implemented	
17d	Not implemented	
18a	Not implemented	
19a	Passed	
19b	Passed	
20a	Passed	Does however only change the title to "NEWNAME", also, the title does not update in bookshelf until redraw.
21a	Not implemented	

21b	Not implemented	
22a	Not implemented	
22b	Not implemented	
22c	Not implemented	
23a	Not implemented	
24a	Not implemented	
24b	Not implemented	
25a	Not implemented	
25b	Not implemented	
26a	Not implemented	

7.3 Emulator run (Windows 7)

Test ID	Result	Comment
1a	Passed	
1b	Passed	
1c	Passed	
2a	Passed	
2b	Passed	
3a	Failed	**Selecting a book that has finished playing results in crash (Issue #46).**
3b	Failed	**Selecting a book that has finished playing results in crash (Issue #46).**
4a	Not implemented	Cloud service milestone #4 - not implemented.
4b	Not implemented	Cloud service milestone #4 - not implemented.
4c	Not implemented	Cloud service milestone #4 - not implemented.
4d	Not implemented	Cloud service milestone #4 - not implemented.
4e	Not implemented	Cloud service milestone #4 - not implemented.

5a	Passed	
6a	Failed	**Book always starts from beginning of track**. (Issue #41). **When clicking a book in the Bookshelf, the player should start at the elapsed time of the track.** (Issue #57).
7a	Passed	
8a	Not implemented	Account feature not implemented.
8b	Not implemented	Account feature not implemented.
8c	Not implemented	Account feature not implemented.
8d	Not implemented	Account feature not implemented.
8e	Not implemented	Account feature not implemented.
8f	Not implemented	Account feature not implemented.
9a	Not implemented	Account feature not implemented.
9b	Not implemented	Account feature not implemented.
9c	Not implemented	Account feature not implemented.
10a	Passed	
10b	Passed	
10c	Passed	
10d	Passed	
11a	Passed	
12a	Failed	Playback does not stop. Marked with issue #48.
12b	Failed	Relies on 12a.
13a	Failed	Playback continues, but only until the currently playing track finishes. Marked with issue #49.
14a	Failed	Author shown in the Bookshelf UI. Folder name shown in the Player UI.
15a	Passed	
16a	Passed	

16b	Passed	
17a	Not implemented	Cloud service not implemented.
17b	Not implemented	Cloud service not implemented.
17c	Not implemented	Cloud service not implemented.
17d	Not implemented	Cloud service not implemented.
18a	Not implemented	Cloud service not implemented.
19a	Passed	
19b	Passed	
20a	Not implemented	Not implemented. **Book name should be editable upon creating a book** (Issue #12).
21a	Not implemented	Account feature not implemented.
21b	Not implemented	Account feature not implemented.
22a	Not implemented	Account feature not implemented.
22b	Not implemented	Account feature not implemented.
22c	Not implemented	Account feature not implemented.
23a	Not implemented	Time picker not implemented.
24a	Not implemented	
24b	Not implemented	
25a	Not implemented	
25b	Not implemented	
26a	Not implemented	Not implemented due to Android recommendations. Apps should never be explicitly terminated unless finishing the activies, according to guidelines.

Result: 54 tests run, 17 Passed, 7 Failed, 31 Not implemented