Test Plan Document

1.Introduction.

     This documentation outlines how the LinkList application is tested, and what is expected with regard to error checking and successful runs.

2.Quality control.

2.1 Test Plan Quality

     The test case driver for the server is a simple client that runs several commands testing the functionality of said server. It will test several functions that serve as the core operations that the client side application will run. As for the Android Java based client, due to a restriction with the Spotify APIs authentication, the only testing implementation that can be used is non-execution based testing in which the code is read and debugged without the use of automation.

2.2 Adequacy Criterion

     Each test case within our test file will output a string upon success, if an error occurs, the correct string output will never be written, thus indicating the location of the error in the succession of tests. Each string is also unique to the specific test to ensure that it is known what the last successful case was.

3. Test Cases

Test Case:	Expected Result:	Outcome:
Test making a room.*	No crash/return printed message	No crash/return printed message
Test joining a room*	No crash/return printed message	No crash/return printed message
Test adding a song to a room*	No crash/return printed message	No crash/return printed message
Test dequeueing a song*	No crash/return printed message	No crash/return printed message
Test getting name of a queued song*	No crash/return printed message	No crash/return printed message
Test getting artist of a queued song*	No crash/return printed message	No crash/return printed message

| Test getting album of a queued song* | No crash/return printed message | No crash/return printed message |

*Tested inside a client program that connects to the server. SERVER NEEDS TO BE RUNNING