

## Testing Documentation

Team & Group Name: Amazing Music

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### ❖ Front End Testing (leemanwhelan/AmazingMusic/Front End/Test1)

- Test1
  - Description: Test 1 is an automated unit test for the music cutting file, changing the tempo, changing the pitch part. The users have to provide 2 testing wav file which named as 2.wav and 3.wav. The users need to put 2.wav and 3.wav into
  - `~\AmazingMusic\Front End\Test1\bin\Debug

### ❖ Server Testing (leemanwhelan/AmazingMusic/Server/src/Testing\_XXXs)

- Testing\_Client(TesterRun.java, TesterClient.java)
  - Basic test for request sending and receiving through a connection between sockets
- Testing\_API(LinkedListTest.java)
  - Test the initial LinkedList function, delete term by searching their index or elements in LinkedList function for LinkList.java
- Testing\_API(TesterClient.java, TesterRun.java)
  - Verify the cluster of client, firewall, decoder
- Testing\_DB(DBtester.java)
  - Basic test for a connection between mySQL and Java(server)
- Testing\_CoreFunctions(TesterClient.java, TesterRun.java)
  - Test for validity of behavior of CoreFunctions(register, login, upload)
- Testing\_CoreFunctions(FileCoreFunctionTester.java)
  - Test for upload function in the FileCoreFunction
  - Test for validate function in the FileCoreFunction (this function needs MySQL and some files in the directory, so if you run this test directly, must occur errors.)
- Testing\_FileServer
  - Test for initial model of fileServer. Not for real file server.

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- Testing\_IntegratingServer
  - Integrating test for whole general purpose server and file server before combine back-end and front-end