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COMP 490-002

Individual Issue #469: Cleanly Shutting Down Server

Testing Manual:

**Windows Systems:**

* Start with a clean run of the server on the command line. Within your computer's roaming appdata directory, in the cherrymusic folder there should be a file labeled “cherrymusic.pid”.
* Forcefully terminate the program and you will see that the file is still present. This would now cause an error subsequent server runs as it now already exists.
* Start the server again with that file still present. You will see now that in the directory the file has been deleted and replaced with a new version.

**Unix Systems:**

* Start a clean run of the server on the command line. In the same directory you will see the new process id file.
* Forcefully terminate the program with the Ctrl+C keyboard shortcut and wait for the process to complete. Now the process id file in the directory should no longer be present.
* Running the server again should proceed without issue, meaning that the implemented fix does not unintentionally harm the application on Unix systems.