

# Server-Client Application Test Report

## 1 Test\_write\_file()

The purpose of this test is to see if the “write\_file” module creates files for all the input file names provided by the user or not.

This test determines whether the server is creating and appending data to the user-supplied file name. If the input data is none, it also checks whether the data is erasing or not.

The "write\_file" function is provided with an array of random filenames and input data in this test. This input data also contains *None* values, which are used to see if the data removal is successful. The output array variable will hold all the outputs returned by the "write\_file" function. Finally, using unittest's "asserts.equal" module, those output values are compared to the "expected outputs."

## 2 Test\_change\_folder()

The purpose of this test is to see if the “change\_folder” module changes directory or not for every input folder given by the user.

This test determines whether the server is changing the user current working directory or not to the user-supplied folder name. If the input data is “..”, checks whether it is moves one directory back or not.

The "change\_folder " function is provided with an array of random folder names in this test. This folder names also contains “..” values, which are used to see if the function is moving one directory back or not. The output array variable will hold all the outputs returned by the "change\_folder" function. Finally, using unittest's "asserts.equal" module, those output values are compared to the "expected outputs."

## 3 Test\_create\_folder()

The purpose of this test is to see if the “create\_folder” module creates folders for all the input file names provided by the user in the current directory or not.

This test determines whether the server is creating folder to the user-supplied folder name.

The "create\_folder" function is provided with an array of random folder names in this test. The output array variable will hold all the outputs returned by the "create\_folder" function. Finally, using unittest's "asserts.equal" module, those output values are compared to the "expected outputs."