By default, we can observe that the ports are being populated correctly.

```
### 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10
```

When we changed the ports to $\boxed{9999}$, we observe that it still works as expected

```
| Second | S
```

Note that in this test case, we make sure that the files with ignored extensions won't get transfered.

Additional features for fileSynchronizer.py:

- graceful termination
- logger

```
2025-02-28 12:04:42,924 -
                                      __main__ -
                                                       INFO - Connecting to: 127.0.0.1:8899
2025-02-28 12:04:47,932 - __main__ - 2025-02-28 12:04:52,943 - __main__ - 2025-02-28 12:04:52,943 - __main__ -
                                                       INFO - Connecting to: 127.0.0.1:8899
INFO - Connecting to: 127.0.0.1:8899
                                                                  Connecting to: 127.0.0.1:8899
2025-02-28 12:04:57,952 -
2025-02-28 12:05:02,962 -
                                      __main__
                                                        INFO
                                                                  Connecting to: 127.0.0.1:8899
                                       __main__
                                                        TNFO
                                                                  Connecting to: 127.0.0.1:8899
2025-02-28 12:05:07,971
2025-02-28 12:05:12,982
                                                                  Connecting to: 127.0.0.1:8899
                                   - __main__
                                                        INFO
                                                                  Connecting to: 127.0.0.1:8899
                                                        INFO
2025-02-28 12:05:17,989
2025-02-28 12:05:22,999
                                      __main__
                                                                  Connecting to: 127.0.0.1:8899
                                                       INFO
                                   - __main__ -
                                                        TNFO
                                                                  Connecting to: 127.0.0.1:8899
2025-02-28 12:05:28,014 -
                                                       INFO -
                                       __main__
                                                                  Connecting to: 127.0.0.1:8899
2025-02-28 12:05:33,024 -
                                                        INFO - Connecting to: 127.0.0.1:8899
                                                       INFO - Connecting to: 127.0.0.1:8899
                                   - __main__ -
2025-02-28 12:05:38,029
2025-02-28 12:05:43,039
                                                       INFO - Connecting to: 127.0.0.1:8899
                                      __main
2025-02-28 12:05:47,849 - __main__ - INFO - Connecting to: 127.0.0.1:8899
^C2025-02-28 12:05:47,849 - __main__ - INFO - Received signal 2, shutting down ...
2025-02-28 12:05:47,849 - __main__ - INFO - Shutting down file synchronizer ...
2025-02-28 12:05:47,849 - __main__ - INFO - File synchronizer shutdown complete
__(aarnphm@appl-mbp16)-[~/w/g/c/t/u/tw/s/a/Test1]-[// main ≡ ⊄ ?3 ~1 | ⊄ +9 ~1 -1 □ 14]
2025-02-28 12:04:47,938 - __main__ - INFO - Connecting to: 127.0.0.1:8899
2025-02-28 12:04:52,945 - __main__ - INFO - Connecting to: 127.0.0.1:8899
 025-02-28 12:04:57,952
 025-02-28 12:05:02,962
                                                        INFO
 025-02-28 12:05:07,978
                                      __main__
__main__
 025-02-28 12:05:12,988
                                                               - Connecting to: 127.0.0.1:8899
 2025-02-28 12:05:17,996
2025-02-28 12:05:22,999
                                                        INFO - Connecting to: 127.0.0.1:8899
INFO - Connecting to: 127.0.0.1:8899
 025-02-28 12:05:28,008
                                    - __main__
- __main__
 2025-02-28 12:05:33,018
                                                       INFO - Connecting to: 127.0.0.1:8899
INFO - Connecting to: 127.0.0.1:8899
                                   - __main__ -
- __main__ -
 025-02-28 12:05:38,023
                                                       INFO - Connecting to: 127.0.0.1:8899
INFO - Connecting to: 127.0.0.1:8899
- INFO - Received signal 2, shutting down ...
```