Computer Networks

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**TESTING REPORT**

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| **TEST CASE** | **RESULT** |
| !CWD [directory] (existing) | 257 local\_path/[directory] |
| !CWD [directory] (non-existent) | 550 No such file or directory. |
| !LIST | local\_directory content |
| !PWD | local\_path |
| Client interrupted by Ctrl+C | Server:  Closed!  Client:  Nothing, exists. |
| USER and PASS (both correct) | 230 User logged in, proceed. |
| CWD directory | 257 [username]/[directory] |
| CWD no directory | 451 Requested action aborted. Local error in processing. |
| CWD wrong directory | 550 No such file or directory. |
| Different users | OK |
| Invalid command | 202 Command not implemented. |
| LIST | 200 PORT command successful.    150 File status okay; about to open data connection.  [user directory content on server]  226 Transfer completed. |
| PASS before USER | 503 Bad sequence of commands. |
| PASS or USER while logged in | 530 Already logged in. |
| PORT, RETR, STOR, CWD, PWD, LIST without login | 530 Not logged in. |
| PWD | 257 /[username] |
| QUIT | 221 Service closing control connection. |
| QUIT/Termination during transmission | 221 Service closing control connection. (transmission ends as it is too fast to be stopped midway for small files) |
| RETR or STOR (correct) | 200 PORT command successful.    150 File status okay; about to open data connection.    226 Transfer completed. |
| RETR wrong filename | 200 PORT command successful.    550 No such file or directory. |
| RETR no filename | 451 Requested action aborted. Local error in processing. |
| Same USER (MULTIPLE CONNECTIONS) | Works (user can work from both) |
| Server interrupted by Ctrl+C | Server:  select error: Interrupted system call  Clients:  notified of server error on next command |
| STOR with wrong filename | 200 PORT command successful.    Could not open file [filename]  550 No such file or directory. |
| STOR without filename | 451 Requested action aborted. Local error in processing. |
| USER [valid username] | 331 Username OK, need password. |
| USER + anything apart from PASS | Could not open file [filename]  550 No such file or directory. |
| USER + USER | 503 Bad sequence of commands. |
| Wrong PASS | 530 Not logged in. |
| Wrong USER | 530 Not logged in. |

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| **MULTIPLE CONNECTIONS** |
| WORKS |