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| **TEST CASE** | **RESULT** |
| PASS before USER | Bad Sequence |
| USER after USER | Bad Sequence |
| Any after USER | Bad Sequence |
| PASS or USER when logged in | Already logged in |
| Correct USER and Correct PASS | 230 Logged In |
| Wrong USER | 530 Not Logged In |
| Wrong PASS | 530 Not Logged In |
| PORT,RETR,STOR,CWD,PWD,LIST without login | 530 Not Logged In |
| RETR without filename | Filename prompted |
| RETR with wrong filename | 550 No file |
| STOR without filename | Filename prompted |
| STOR with wrong filename | 550 No file |
| LIST | Port, then Data OK, then 226 |
| Correct RETR or STOR | Port, then Data OK, then 226 |
| CWD filename | 200 with new directory |
| CWD wrong or missing filename | 550 No such directory |
| PWD | 257 directory |
| Invalid Request | 202 |
| QUIT | 221 |
| Client Terminated by an interrupt (like CTRL+C) | Server does not stop; unimpacted. |
| Server Terminated by an interrupt (like CTRL+C) | All clients informed and terminated at next command |
| Same user, multiple connections | Works for all commands |
| Different users | Work for all commands |
| Files of different sizes | All transmitted successfully |
| !PWD | Current client-side directory reported |
| !CWD directory | Error reported if no directory, else changed directory reported |
| !LIST | Client-side files in directory listed |
| Files of different types | All transmitted successfully |
| Abort/QUIT/Termination during transmission | Data socket closed. Control socket closed depending on if the client terminated or just the data transmission. Data transmission stopped. |