

Test Download Application

Server

- Run with no arguments
- Run with port number (client use same port number)
- Run with port number (client use different port number)
- Run with port number of 78789
- Run with two arguments
- End a client with CTRL-C
- Receive unknown command
- Run two clients at the same time

Client

- Run with no arguments
- Run with hostname
- Run with hostname of xyz.abc
- Run with hostname and port number
- Run with hostname and port number of 78789
- Run with three arguments
- Enter an invalid command
- Enter CHDIR with a non-existing directory
- Enter CHDIR with a filename
- Enter CHDIR with an existing relative directory
- Enter CHDIR with an existing absolute directory
- Enter CHDIR with an existing directory without proper permissions
- Enter CHDIR with no directory
- Enter DIR
- Enter DIR with an argument
- Enter PWD
- Enter PWD with an argument
- Enter DOWNLOAD with a directory name
- Enter DOWNLOAD with an existing file
 - Verify entire file was saved locally
- Enter DOWNLOAD with an existing file that doesn't exist locally
- Enter DOWNLOAD with an existing file of varying sizes
- Enter DOWNLOAD with an existing file and it exists locally, user enters "yes"
- Enter DOWNLOAD with an existing file and it exists locally, user enters "no"
- Enter DOWNLOAD with a non-existing file
- Enter DOWNLOAD with no filename