CPSC 471 - Assignment 1

Group Members

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Language

Python 3.6 or greater

Protocol Design

Please see PROTOCOL.md

How To Execute Program

Note: `server.py` must be ran in the context of the `ftp` directory or a directory that contains a `files` directory. Uploads will be placed in the `files` directory.

Starting the Server

```
cd ftp && python3 ./server.py <port>
ex: cd ftp && python3 ./server.py 12000
```

Starting the Client

```
cd ftp && python3 ./client.py <hostname> <port>
ex: cd ftp && python3 ./client.py 127.0.0.1 12000
```

Client commands:

ls

```
Please input a command >> ls
```

Lists the files present in the `files` directory on the server.

put

```
Please input a command >> put <filename>
```

Sends a file from the client to the server. The file will be placed in the server's `files` directory.

get

```
Please input a command >> get <filename>
```

Gets a file from the server's `files` directory and downloads it to the client.

exit

```
Please input a command >> exit
```

Provides a method for cleanly closing the control connection between the client and server.

Notes

Requires Python 3.6 or greater