Team Members:

1. Cassandra Kobayashi ckobayashi@csu.fullerton.edu
2. Michael Zendejas mzendejas8@csu.fullerton.edu

Design Protocol of FTP Server
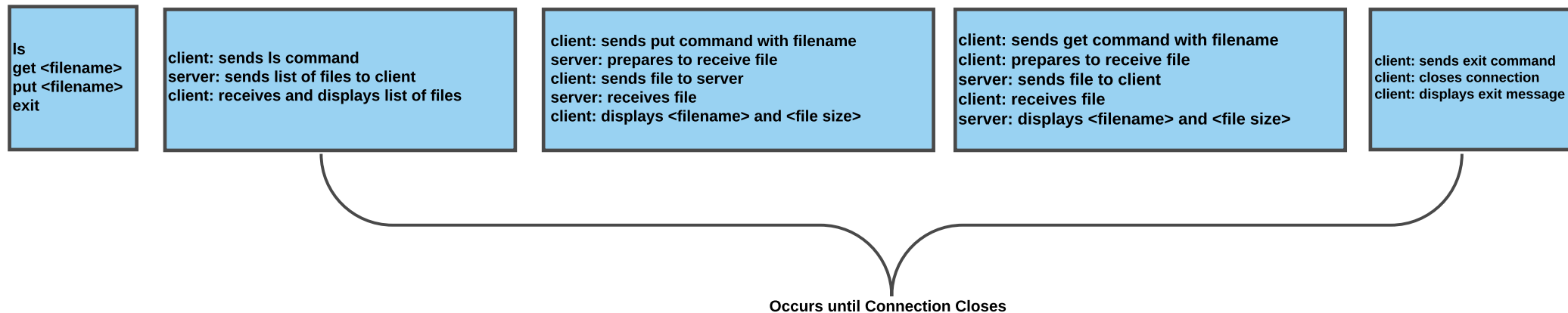
Client Commands that Server accepts

ls Command

put Command

get Command

exit command

ls
get <filename>
put <filename>
exit

client: sends ls command
server: sends list of files to client
client: receives and displays list of files

client: sends put command with filename
server: prepares to receive file
client: sends file to server
server: receives file
client: displays <filename> and <file size>

client: sends get command with filename
client: prepares to receive file
server: sends file to client
client: receives file
server: displays <filename> and <file size>

client: sends exit command
client: closes connection
client: displays exit message

Occurs until Connection Closes

What kinds of messages will be exchanged across the control channel?
   Simple commands: ls, get, put, exit

How should the other side respond to the messages?
   listing the files, correctly uploading and downloading files, closing the connection

What sizes/formats will the messages have?
   any size files, and correct formats: txt and jpg

How will the receiving side know when to start/stop receiving the file?
   It will take in the size of the file and when it's transfering, it will transfer up to the size of the file.

How to avoid overflowing TCP buffers?
   When reading in the header, make sure to get the correct size of the file being transfered.