

Assignment 1 Write Up

1. **Testing**

The first part of testing I conducted was parsing the content header to extract the protocol and file name in order to execute respective requests. I made sure to set appropriate buffer sizes in order to store both sets of information. After that I made sure that I was writing the content to the correct file on the server side and retrieving the correct content from the server side to the client side. I handled this by printing out to the *stdout* on the server to ensure I would send the correct information back to the client side. I would also test to make sure the file name was correct by using testing my regular expression against the file name. Lastly, I tested the response codes against improper syntax, file names, server requests, permissions, and if the file exists.

2. **Answer**

The response on the client side will show the request along with the content length but will not have a response from the server since the connection was cut off. Similarly, the contents of the file will also be omitted from the file on the server side. This is because using a TCP connection, if we cut the reliable stream connection then there will be no more data being sent from the client side over to the server side. This was also the reason that it was not present in *dog*, since we were using a local system and files with no connection over the internet, meaning we had no transmission nor latency in copying files.