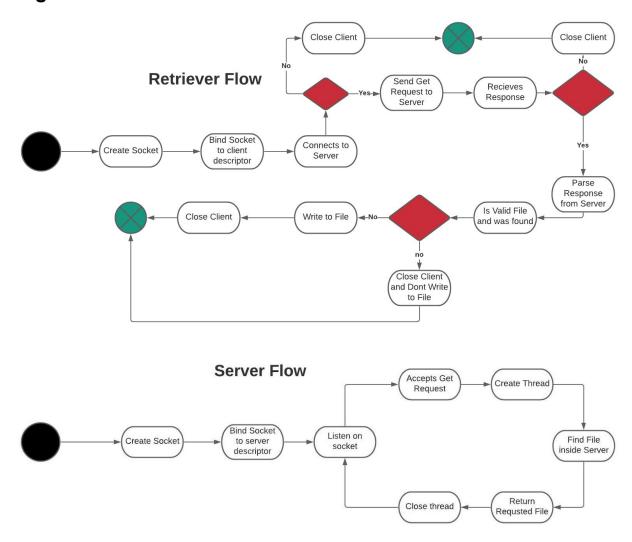
HW2 Css432

Inside of this project we had two scripts. One script representing the Retriever which makes a GET http request in order to obtain files from a website or server. Once the Server script receives the message it tries to find the HTTP file and if found will send it back to Retriever. Once the Retriver receives the acknowledgement and HTTP file it will then store the file locally and close the connection. The Server will stay on and look for other GET requests. We are currently running HTTP/1.1 because it is more efficient and safer than HTTP/1.0.

Diagrams:



Running The Code:

Retriever:

ip=64.227.48.38 wp=SecretFile.html

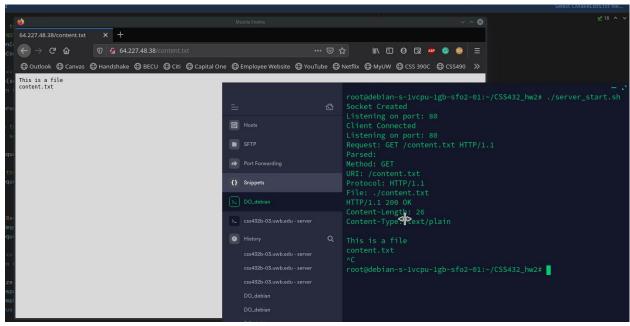
compile retriever g++ -o retriever ./Retriever.cpp ./retriever \$ip \$wp

Server:

g++ -o server ./Server.cpp -l pthread # start server ./server echo "Server running"

Screenshots:

1) Real Web browser accessing your server (screenshot only)

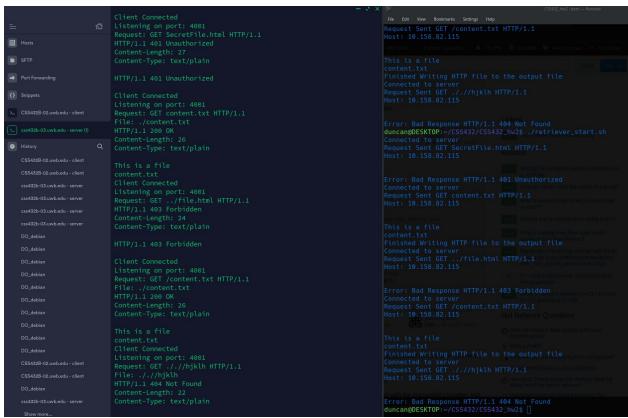


2) Your retriever accessing a real server (screenshot and demo script)

#!/bin/bash
define ip and file/webpage
ip=www.washington.edu/
compile retriever
g++ -o retriever ./Retriever.cpp

start retriever # 200 ok

./retriever \$ip research.html



CSS_Servers_output

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CONSERSE OF CONTROL OF
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3) Your retriever accessing a file from your server (demo script)

(attached inside zip file as retriever_start.sh) file

4) Your retriever requesting an unauthorized file from your server (demo script)

(attached inside zip file as retriever_start.sh) file

- 5) Your retriever requesting a forbidden file from your server (demo script) (attached inside zip file as retriever_start.sh) file
- 6) Your retriever requesting a non-existent file from your server (demo script)

(attached inside zip file as retriever start.sh) file

7) Your retriever sending a malformed request to your server (demo script) (attached inside zip file as retriever_start.sh) file

Conclusion:

In conclusion, having the Retriever grab a file from the server and save it locally is useful in order to obtain files from the internet and be able to access them offline. This is an efficient way to store files on your local machine and obtain them from anywhere across the world.