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Lab 2

<u>Lab Report:</u> This lab was a bit lengthy, but really cool to look into the HTTP protocol using this application. I completed this lab 100% independently without any additional outside resources except what was provided.

<u>Part 1:</u>

1) Both my browser and the server are running HTTP version 1.1.

2) My browser accepts US English language.

3) IP address Computer: 128.199.245.12 and gaia.cs.umass.edu: 192.168.95.64

4) 200 OK

5) Thursday, 25 February 2021 06:59:01 GMT

6) 128 bytes

7) Nothing different is present.

<u>Part 2:</u>

8) No

9) Yes, the code for the HTML file was caught.

10) Yes. It follows the date of last time the file was modified

11) 304 Not Modified and it does not return the contents of the HTML file because there is no need to return an identical file to the receiver of the file.

<u>Part 3:</u>

12) Only one HTTP GET request message was sent from my browser. Packet Number 1512

13) Packet Number 1539

14) 200 OK

15) 4 segments

Part 4:

16) My browser sent three HTTP GET request messages (4 but the fourth I am unsure about).

The first was sent to: /wireshark-labs/HTTP-wireshark-file4.html

The second was sent to: pearson.png

The third was sent to: /8E_cover_small.jpg

17) They were sent serially. The time each on was sent display different departures. If they were

sent in parallel their recorded time stamps would be the same.

Part 5:

18) 401 Unauthorized

19) A field labeled Authorization Basic (followed by Base64-encoded string)