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**CSC 435 Assignment 2**

HTTP lab

1. My browser is running HTTP 1.1 (see below, red). The server is running HTTP 1.1 as well (see below, green).



2. The browser indicates that it can accept HTML And XML (see below, yellow).

3. The IP address of my computer is 192.168.1.131 (see below, blue) and the IP address of the [gaia.cs.umass.edu](http://gaia.cs.umass.edu) server is 128.119.245.12 (see below, orange).



4. The status code returned to my browser is 200 (see below, red).

5. The HTML file was last modified on 4/10/2018 at 5:59 GMT (see below, green).

6. 128 bytes of content are being returned (see below, labeled “Content-Length”).



7. I do not see any that aren’t interpreted by Wireshark.

8. I do not see this in the first message (see below).



9. The server explicitly returned this data — I can see it in the message ending in </html> (see below).



10. Yes, it includes this in the header, followed by the date to check (see below).



11. The server responded with a 304 status code (see below).



12. My browser sent a single HTTP GET message. This is number 4 in the trace (see below).



13. Packet 6 carries this (see below).



14. The status code is 200 and the phrase is OK (see above).

15. 4 TCP segments were needed (see above).

16. My browser sent 4 HTTP get messages to the URLs containing the various embedded resources (see below).



17. You can tell that they were downloaded serially because the 200 response for the first image arrived before the request was made for the second image (see above).

18. The status code is 403 — not authorized.

19. When it sends the second request, there is an Authorization: Basic header.