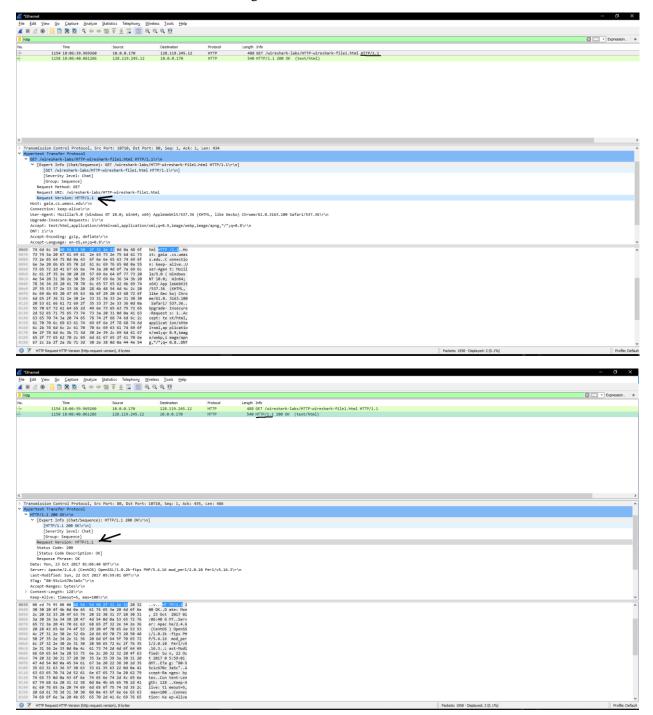
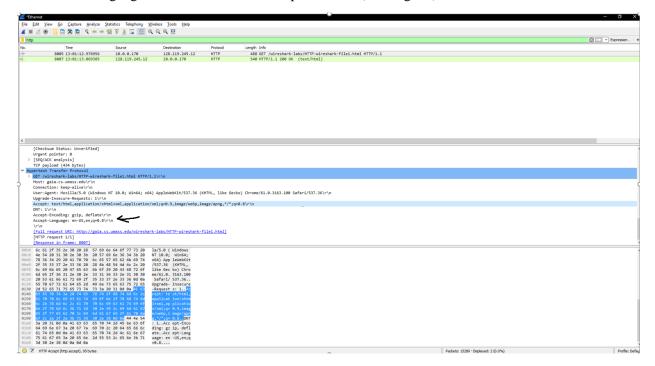
Brandon Lo

CS372 Lab 2

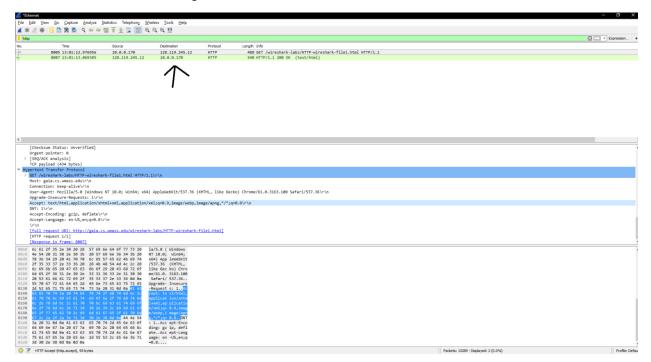
1. My browser is running HTTP version 1.1
The server is also shown running HTTP version 1.1



2. The languages that the server can accept is en-US (US English).



3. The IP address of my computer is 10.0.0.170
The IP address of the gaia.cs.umass.edu server is 128.119.245.12



4. The status code returned from the server to my browser is 200.

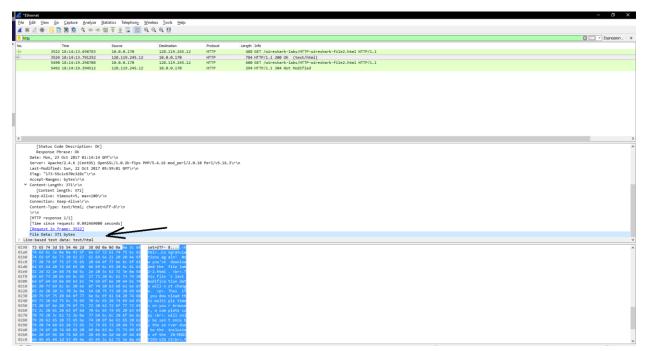


5. The HTML file was last modified Sunday, 22 October 2017 05:59:01 GMT

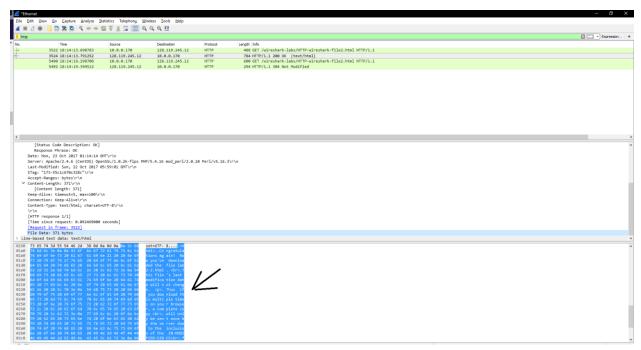




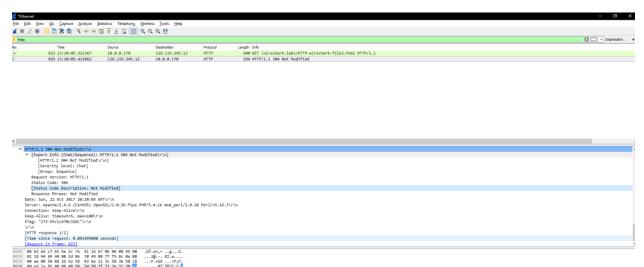
6. The file data size is 371 bytes.



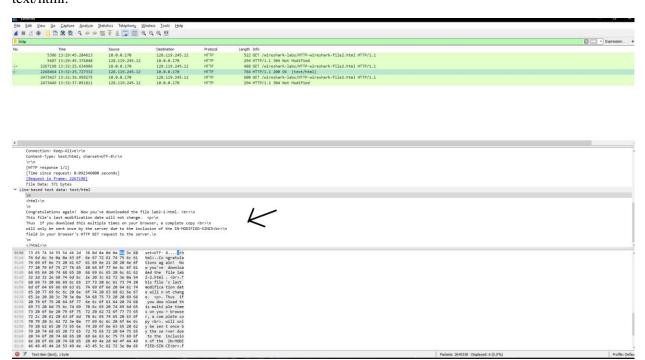
7. No I do not see any headers that are not displayed in the packet-listing window



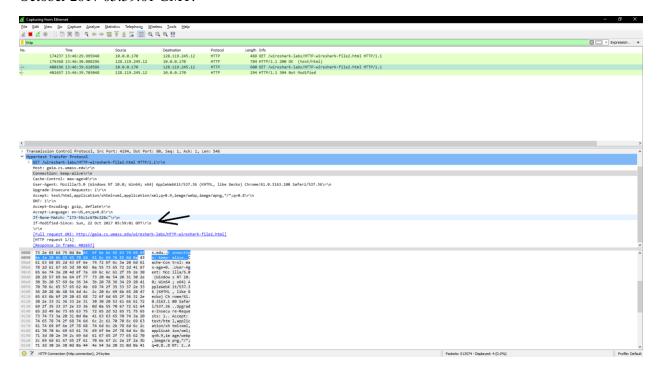
8. No, I do not see an IF-MODIFIED-SINCE



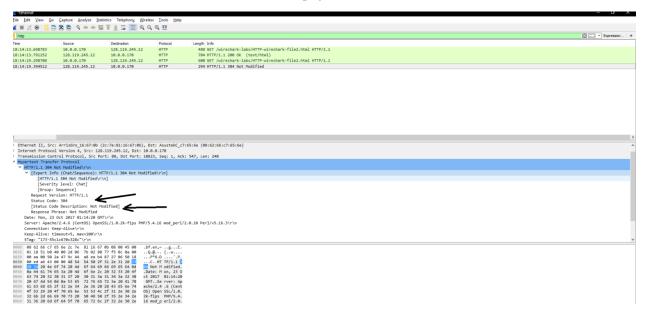
9. Yes the server returned the contents of the file since it is returned under the Line-based text data: text/html.



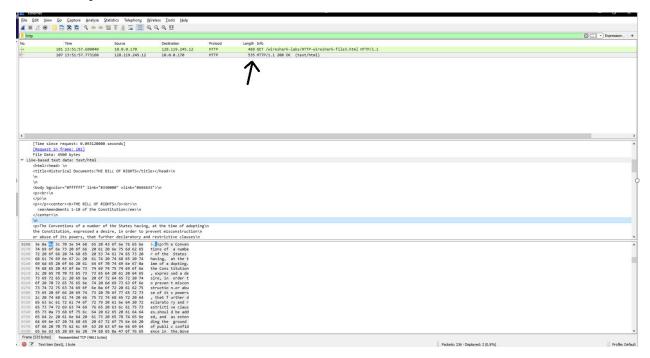
10. Yes, the IF-MODIFIED-SINCE header in the HTTP GET return the modified date as Sunday, 22 October 2017 05:59:01 GMT.



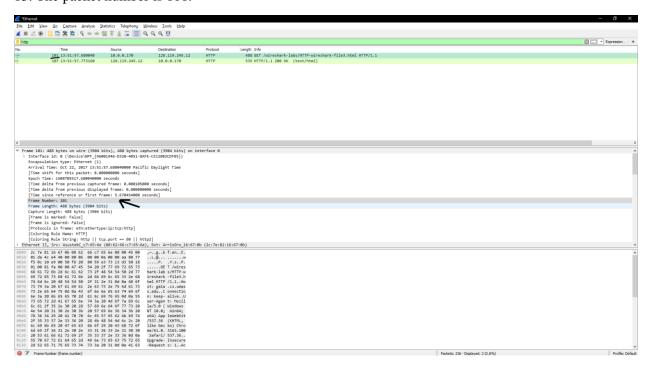
11. The HTTP status code and phrase response from the server is HTTP/1.1 304 Not Modified. The server did not return the contents of the file because the page was not modified, so it was loaded from the cache.



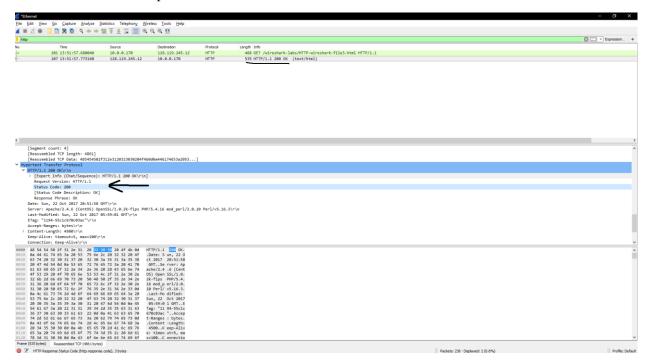
12. 1 Get request



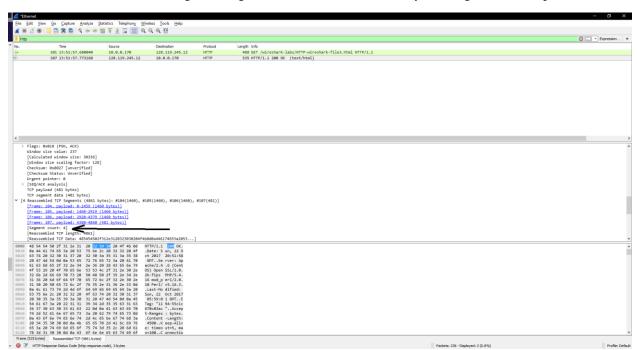
13. The packet number is 101.



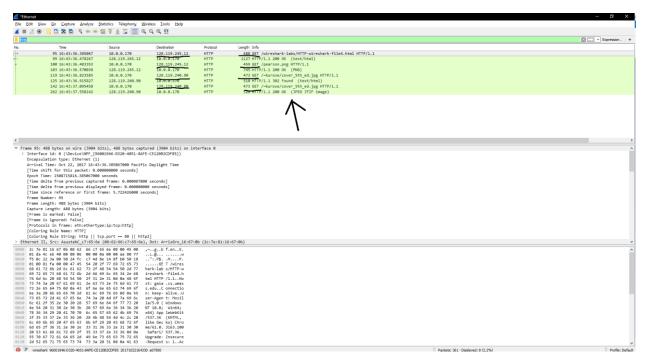
14. The status code and phrase is "200 OK".



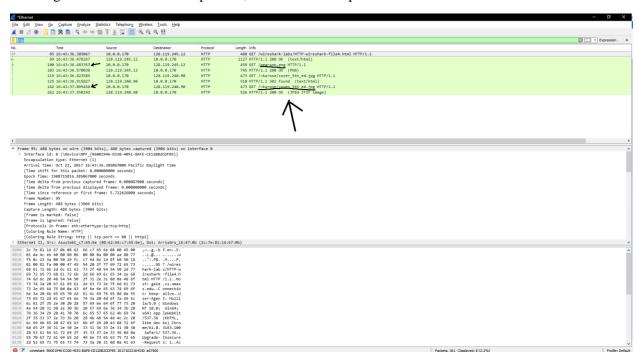
15. There are 4 data-containing TCP segments that are needed to carry the single HTTP response.



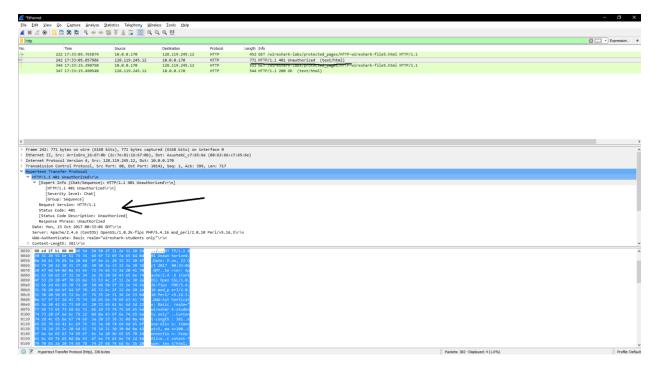
16. There were 4 HTTP GET messages send from the browser to 128.119.245.12, 128.119.245.12, 128.119.240.90, and 128.119.240.90



17. The browser downloaded the two images serially because they have differing GET request times. If the images were downloaded in parallel, then the GET requests would be the same.



18. The server response in response to the initial HTTP GET message from my browser is HTTP/1.1 401 Unauthorized.



19. When the browser sends the HTTP get message for the second time, the new field included is the Authentication: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcms

