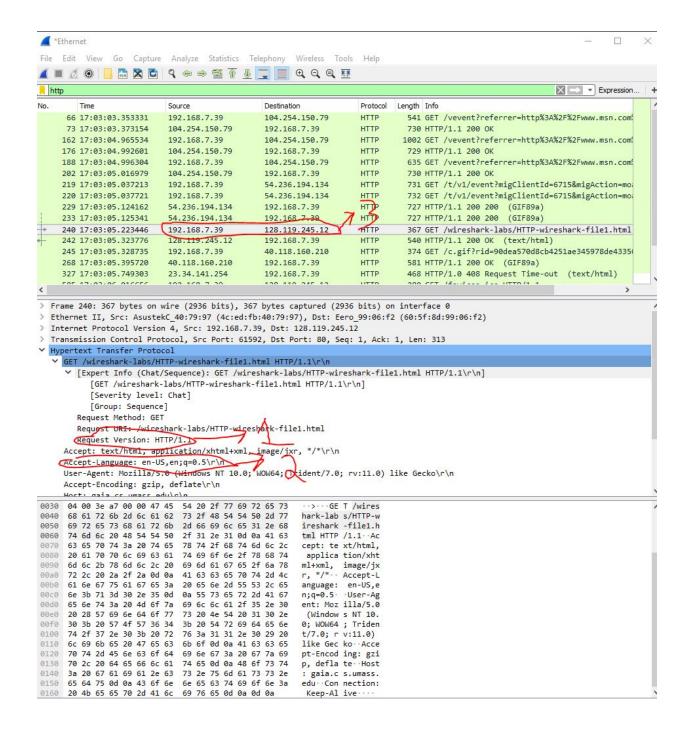
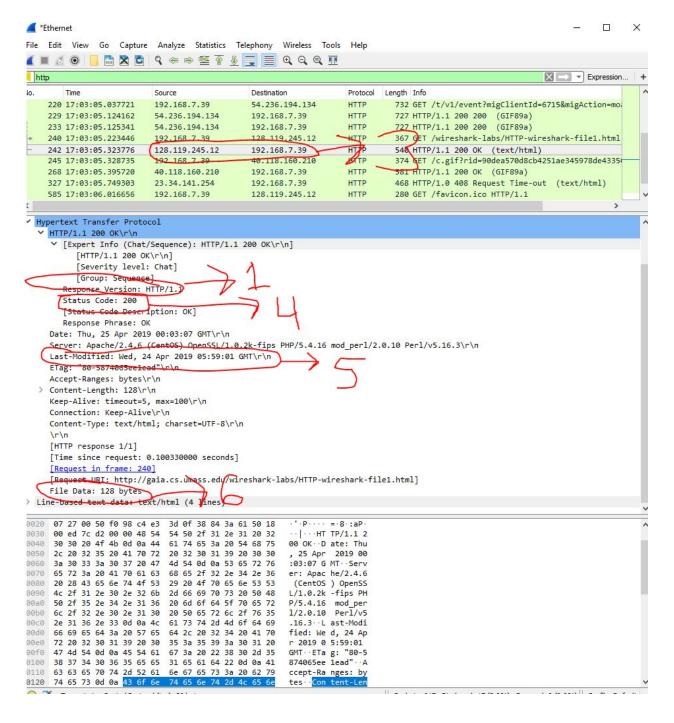
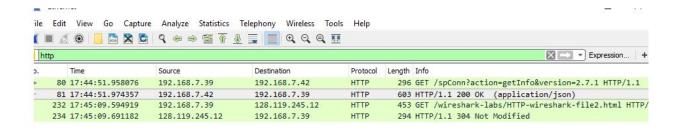
## CS372 Lab 2 Hudson Dean

- 1. browser: version 1.1 Server: version 1.1
- 2. en-US,EN;q=0.5\r\n
- 3. my computer IP address: 192.168.7.39 Server IP address: 128.119.245.12
- 4. Status code: 200 OK
- 5. Wed, 24 Apr 2019 05:59:01 GMT
- 6. 128 bytes
- 7. No





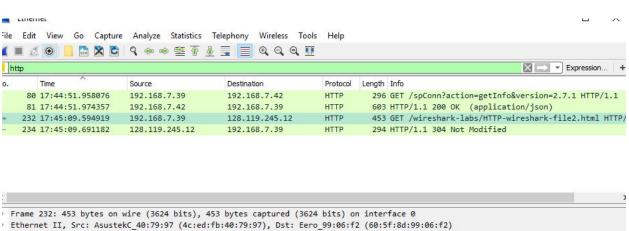
- 8. No
- 9. Yes. It returned an application/json type and returned a javascript object
- 10. Yes from the second get request. The following information is Wed, 24 Apr 2019 05:59:01 GMT
- 11. Status code: 304 Status Phrase: Not Modified. The server did not explicitly return the contents of a file. No javascript object or application/json content-type is described



```
Frame 81: 603 bytes on wire (4824 bits), 603 bytes captured (4824 bits) on interface 0
 Ethernet II, Src: Azurewav_6f:97:bd (40:99:22:6f:97:bd), Dst: AsustekC_40:79:97 (4c:ed:fb:40:79:97)
 Internet Protocol Version 4, Src: 192.168.7.42, Dst: 192.168.7.39
 Transmission Control Protocol, Src Port: 41800, Dst Port: 54045, Seq: 1, Ack: 243, Len: 549
 Hypertext Transfer Protocol

✓ HTTP/1.1 200 OK\r\n

    Y [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
          [HTTP/1.1 200 OK\r\n]
          [Severity level: Chat]
          [Group: Sequence]
       Response Version: HTTP/1.1
       Status Code: 200
       [Status Code Description: OK]
       Response Phrase: OK
    Content-Type: application/json\r\n
    Content-Length: 477\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.016281000 seconds]
    [Request in frame: 80]
    [Request URI: http://192.168.7.42:41800/spColyn?action=getInfo&version=2.7.1]
    File Data: 477 bytes
 JavaScript Object Notation: application/json
1000
                                                          ame":"s ony_tv"
clientI D":"9b1
     lafa
                                                          01888dd 42948af
1100
                                                          %b879212 2bec","
eviceID" :"8c583
1110
                                                           d66090d 04a0cb9
1130
                                                          f","dev iceType
"GAMECO NSOLE",
1140
1150
                                                          groupSta tus"
1160
                                                            ","mod elDispl
     yName":" ps4","p
oductID" :0,"pub
icKey":" ","remo
eName":" PS4-218
180
1190
11a0
11b0
```



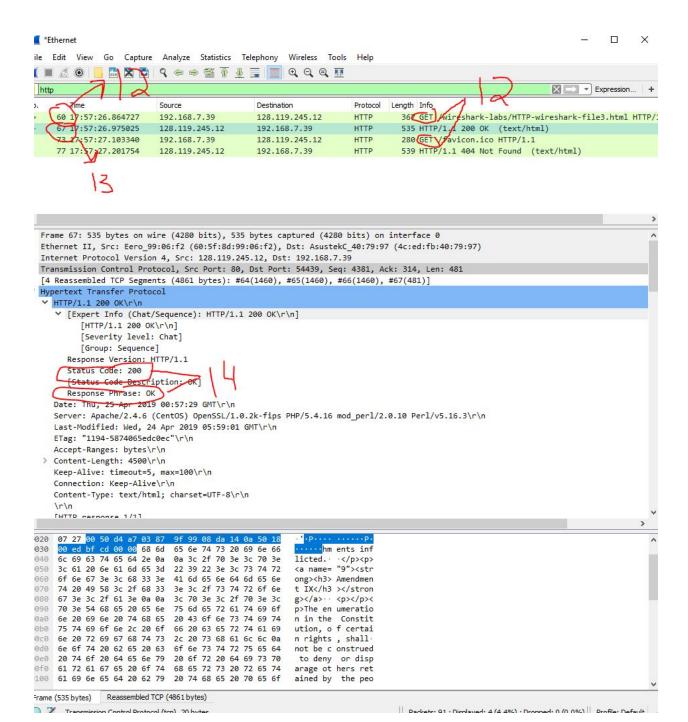
```
Ethernet II, Src: AsustekC_40:79:97 (4c:ed:fb:40:79:97), Dst: Eero_99:06:f2 (60:5f:8d:99:06:f2)
Internet Protocol Version 4, Src: 192.168.7.39, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 54053, Dst Port: 80, Seq: 1, Ack: 1, Len: 399
' Hypertext Transfer Protocol
   GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n
    Y [Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n]
          [GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n]
          [Severity level: Chat]
          [Group: Sequence]
       Request Method: GET
       Request URI: /wireshark-labs/HTTP-wireshark-file2.html
       Request Version: HTTP/1.1
    Accept: text/html, application/xhtml+xml, image/jxr, */*\r\n
    Accept-Language: en-US,en;q=0.5\r\n
    User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; Trident/7.0; rv:11.0) like Gecko\r\n
    Accept-Encoding: gzip, deflate\r\n
    Host: gaia.cs.umass.edu\r\n
   If-Modified-Since: Wed, 24 Apr 2019 05:59:01 GMT\r\n
    If-None-Match: "173-5874065ee12f4"\r\n
    Connection: Keep-Alive\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]
    [HTTP request 1/1]
    [Response in frame: 234]
```

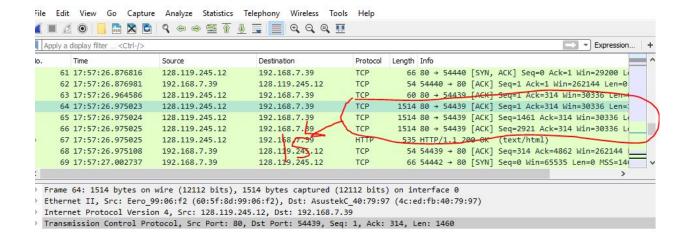
9000	60	5f	8d	99	06	f2	4c	ed	fb	40	79	97	08	00	45	00	` · · · · L · · · @y · · · E ·		,
3010	01	b7	65	f1	40	00	80	06	00	00	c0	a8	07	27	80	77	e-@'-w		Ì
0020	f5	0c	d3	25	00	50	6d	f6	fa	ab	39	13	89	1e	50	18	···%-Pm···9···P·		
9030	04	00	3e	fd	00	00	47	45	54	20	2f	77	69	72	65	73	··>···GE T /wires		
3040	68	61	72	6b	2d	6c	61	62	73	2f	48	54	54	50	2d	77	hark-lab s/HTTP-w		
0050	69	72	65	73	68	61	72	6b	2d	66	69	6c	65	32	2e	68	ireshark -file2.h		
3060	74	6d	6c	20	48	54	54	50	2f	31	2e	31	0d	0a	41	63	tml HTTP /1.1 Ac		
3070	63	65	70	74	3a	20	74	65	78	74	2f	68	74	6d	6c	2c	cept: te xt/html,		ı
9080	20	61	70	70	6c	69	63	61	74	69	6f	6e	2f	78	68	74	applica tion/xht		
3090	6d	6c	2b	78	6d	6c	2c	20	69	6d	61	67	65	2f	6a	78	ml+xml, image/jx		
30a0	72	2c	20	2a	2f	2a	0d	0a	41	63	63	65	70	74	2d .	4c	r, */*·· Accept-L		
30b0	7.5		1	-	7.75	-		За	1		-		-	1000			anguage: en-US,e		
30c0	20.00		100		-	-	7.5	0d	7.77				100		17255		n;q=0.5 User-Ag		
90d0								7a					1000				ent: Moz illa/5.0		
30e0								77									(Window s NT 10.		
30f0								34									0; WOW64 ; Triden		
0100	74	2f	37	2e	30	3b	20	72	76	3a	31	31	2e	30	29	20	t/7.0; r v:11.0)		٧
-																		111	

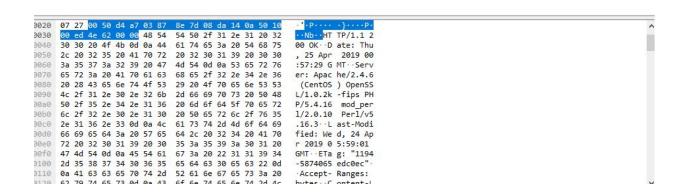


```
Frame 234: 294 bytes on wire (2352 bits), 294 bytes captured (2352 bits) on interface 0
 Ethernet II, Src: Eero_99:06:f2 (60:5f:8d:99:06:f2), Dst: AsustekC_40:79:97 (4c:ed:fb:40:79:97)
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.7.39
 Transmission Control Protocol, Src Port: 80, Dst Port: 54053, Seq: 1, Ack: 400, Len: 240
 Hypertext Transfer Protocol
  HTTP/1.1 304 Not Modified\r\n
     Y [Expert Info (Chat/Sequence): HTTP/1.1 304 Not Modified\r\n]
          [HTTP/1.1 304 Not Modified\r\n]
          [Severity level: Chat]
          [Group: Sequence]
       Response Version: HTTP/1.1
       Status Code: 304
       Status Code Description: Not Modified
       Response Phrase: Not Modified
     Date: Thu, 25 Apr 2019 00:45:12 GMT\r\n
     Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
    Connection: Keep-Alive\r\n
     Keep-Alive: timeout=5, max=100\r\n
    ETag: "173-5874065ee12f4"\r\n
    [HTTP response 1/1]
     [Time since request: 0.096263000 seconds]
    [Request in frame: 232]
     [Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]
1000 4c ed fb 40 79 97 60 5f 8d 99 06 f2 08 00 45 00 L··@y·`_ ·····E
1010 01 18 80 40 40 00 2e 06 8e 4c 80 77 f5 0c c0 a8 ···@@·.··L·w···
1020 07 27 00 50 d3 25 39 13
                               89 1e 6d f6 fc 3a 50 18
                                                             P-%9 · · · m · · : P
                                                          .... HT TP/1.1 3
1030 00 ed ba 2e 00 00 48 54
                               54 50 2f 31 2e 31 20 33
1040 30 34 20 4e 6f 74 20 4d
                               6f 64 69 66 69 65 64 0d
                                                          04 Not M odified
050 0a 44 61 74 65 3a 20 54
                               68 75 2c 20 32 35 20 41
                                                          ·Date: T hu, 25 A
                                                          pr 2019 00:45:12
1060 70 72 20 32 30 31 39 20
                               30 30 3a 34 35 3a 31 32
1070 20 47 4d 54 0d 0a 53 65
                               72 76 65 72 3a 20 41 70
                                                          GMT · · Se rver: Ap
                                                          ache/2.4 .6 (Cent
1080 61 63 68 65 2f 32 2e 34
                               2e 36 20 28 43 65 6e 74
1090 4f 53 29 20 4f 70 65 6e
                               53 53 4c 2f 31 2e 30 2e
                                                          OS) Open SSL/1.0.
10a0 32 6b 2d 66 69 70 73 20
                               50 48 50 2f 35 2e 34 2e
                                                          2k-fips PHP/5.4.
90b0 31 36 20 6d 6f 64 5f 70
                               65 72 6c 2f 32 2e 30 2e
                                                          16 mod_p erl/2.0.
                                                          10 Perl/ v5.16.3
10c0 31 30 20 50 65 72 6c 2f
                               76 35 2e 31 36 2e 33 0d
0d0 0a 43 6f 6e 6e 65 63 74
                               69 6f 6e 3a 20 4b 65 65
                                                          ·Connect ion: Kee
90e0 70 2d 41 6c 69 76 65 0d 0a 4b 65 65 70 2d 41 6c
                                                          p-Alive Keep-Al
                                                          ive: tim eout=5,
0f0 69 76 65 3a 20 74 69 6d
                               65 6f 75 74 3d 35 2c 20
     6d 61 78 3d 31 30 30 0d 0a 45 54 61 67 3a 20 22
                                                          max=100 · · ETag:
```

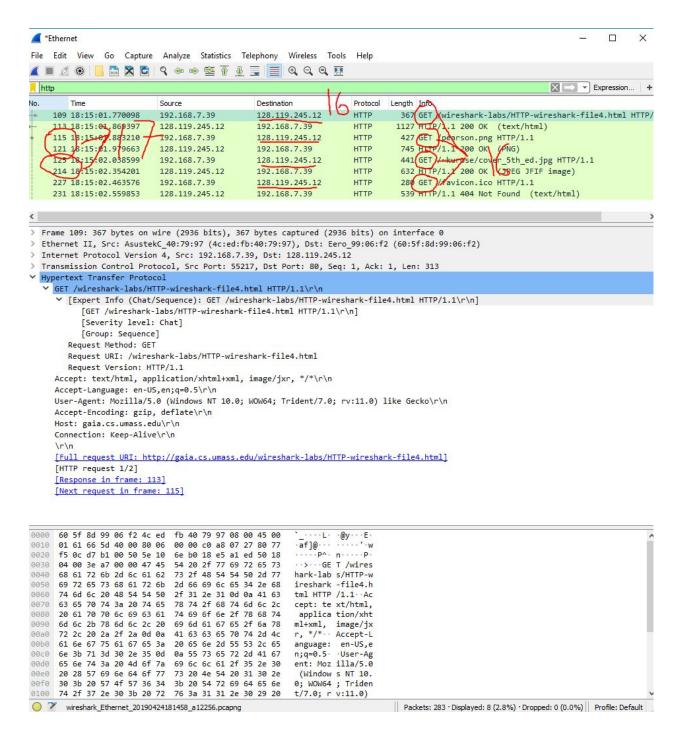
- 12. Browser sent 2 GET messages. Packet Number 60
- 13. Packet Number 67 contains the status code and phrase from the response
- 14. Status Code: 200 Status Phrase: OK
- 15. 3 TCP segments





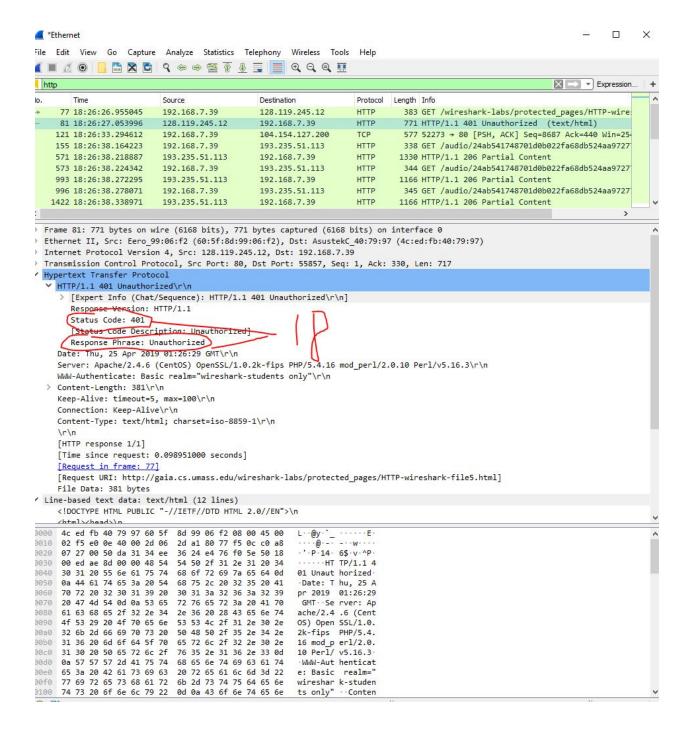


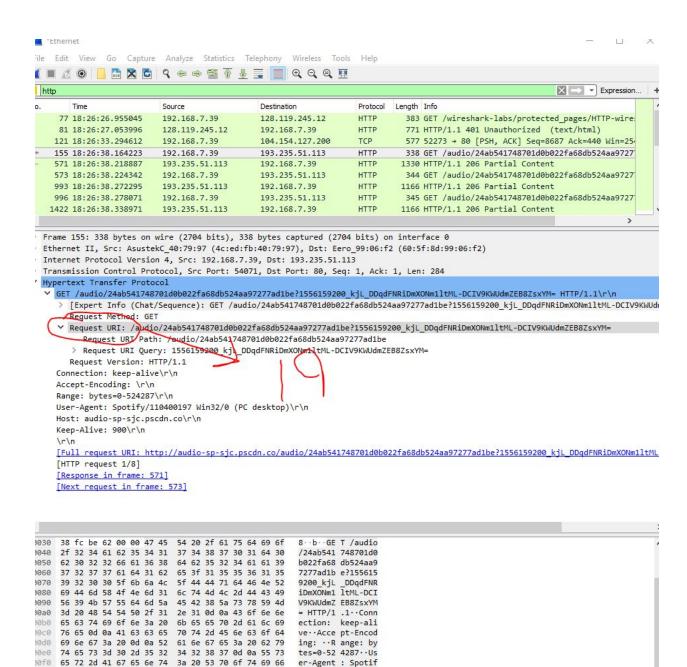
- 16. Browser sent 4 GET requests to the following IP address: 128.119.245.12
- 17. Serially, since the first imagine response came before the GET request for the second image.



18. Status Code: 401 Status Phrase: Unauthorized

19. Request URI





y/110400 197 Win3

2/0 (PC desktop)
..Host: audio-sp

-sjc.psc dn.co··K

79 2f 31 31 30 34 30 30 31 39 37 20 57 69 6e 33

1110 32 2f 30 20 28 50 43 20 64 65 73 6b 74 6f 70 29 1120 0d 0a 48 6f 73 74 3a 20 61 75 64 69 6f 2d 73 70 1130 2d 73 6a 63 2e 70 73 63 64 6e 2e 63 6f 0d 0a 4b

100