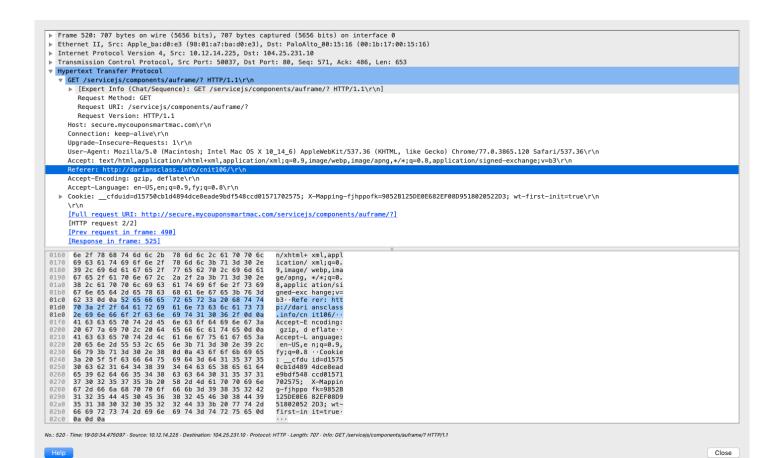
Answer the following questions, based on your Wireshark experimentation:

- 1. List 3 different protocols that appear in the protocol column in the unfiltered packet-listing window in step 7 above.
- Hypertext Transfer Protocol
- Transmission Control Protocol
- Internet Protocol
- 2. How long did it take from when the HTTP GET message was sent until the HTTP OK reply was received? (By default, the value of the Time column in the packet listing window is the amount of time, in seconds, since Wireshark tracing began. To display the Time field in time-of-day format, select the Wireshark View pull down menu, then select Time Display Format, then select Time-of-day.)
- HTTP GET message was sent Value of Time Column in packet listing: 23.172841 seconds Time of Day: 19:00:34.475097
- HTTP OK reply was received Value of Time Column in packet listing: 23.256979 seconds Time of Day: 19:00:34.559235
- 3. What is the Internet address of the gaia.cs.umass.edu (also known as wwwnet.cs.umass.edu)? What is the Internet address of your computer?

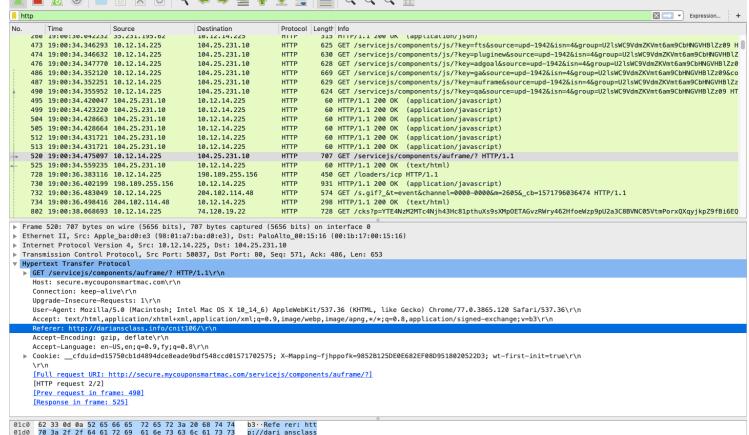
http://gaia.cs.umass.edu/

GET_HTTP Messages:

- Source Address: 10.12.14.225 From computer
- Destination Address: 104.25.230.10 To gaia.cs.umass.edu
- 4. Print the two HTTP messages (GET and OK) referred to in question 2 above. To do so, select Print from the Wireshark File command menu, and select the "Selected Packet Only" and "Print as displayed" radial buttons, and then click OK.



```
Frame 525: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface 0
  ▶ Ethernet II, Src: PaloAlto_00:15:16 (00:1b:17:00:15:16), Dst: Apple_ba:d0:e3 (98:01:a7:ba:d0:e3)
  ▶ Internet Protocol Version 4, Src: 104.25.231.10, Dst: 10.12.14.225
     Transmission Control Protocol, Src Port: 80, Dst Port: 50037, Seq: 1521, Ack: 1224, Len: 5
     [2 Reassembled TCP Segments (1040 bytes): #524(1035), #525(5)]
   ▼ Hypertext Transfer Protocol
     ▼ HTTP/1.1 200 OK\r\n
       ▶ [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
          Response Version: HTTP/1.1
          Status Code: 200
          [Status Code Description: OK]
          Response Phrase: OK
        Date: Wed, 23 Oct 2019 02:00:34 GMT\r\n
        Content-Type: text/html\r\n
        Transfer-Encoding: chunked\r\n
        Connection: keep-alive\r\n
        X-Powered-By: PHP/5.5.38\r\n
        CF-Cache-Status: DYNAMIC\r\n
        Server: cloudflare\r\n
        CF-RAY: 52a01e3f8cf3933a-SJC\r\n
        Content-Encoding: gzip\r\n
        \r\n
        [HTTP response 2/2]
        [Time since request: 0.084138000 seconds]
        [Prev request in frame: 490]
        [Prev response in frame: 513]
[Request in frame: 520]
        [Request URI: http://secure.mycouponsmartmac.com/servicejs/components/auframe/?]
     ▶ HTTP chunked response
        Content-encoded entity body (gzip): 769 bytes -> 2395 bytes
        File Data: 2395 bytes
   ▶ Line-based text data: text/html (70 lines)
         98 01 a7 ba d0 e3 00 1b 17 00 15 16 08 00 45 02
                                                                                 ٠E
                                                                  ·-z·@·7· a h·
        00 2d 7a 98 40 00 37 06 61 20 68 19 e7 0a 0a 0c 0e e1 00 50 c3 75 20 ef 42 54 be 3c fe 57 50 18 00 1f 1f e0 00 00 30 0d 0a 0d 0a 00
                                                                   ··P·u · BT·<·WP
   Frame (60 bytes) Reassembled TCP (1040 bytes) De-chunked entity body (769 bytes) Uncompressed entity body (2395 bytes)
 No.: 525 - Time: 19:00:34.559235 - Source: 104.25.231.10 - Destination: 10.12.14.225 - Protocol: HTTP - Length: 60 - Info: HTTP/1.1 200 OK (text/html)
 Help
                                                                                                                                                                                         Close
📶 📕 💋 🎯 🖿 🖺 🔞 🥝 🭳 👄 🏓 🚆 📳 🔍 🔍 🔍 🎹
                                                                                                                                                                              Expression...
```



Profile: Default

