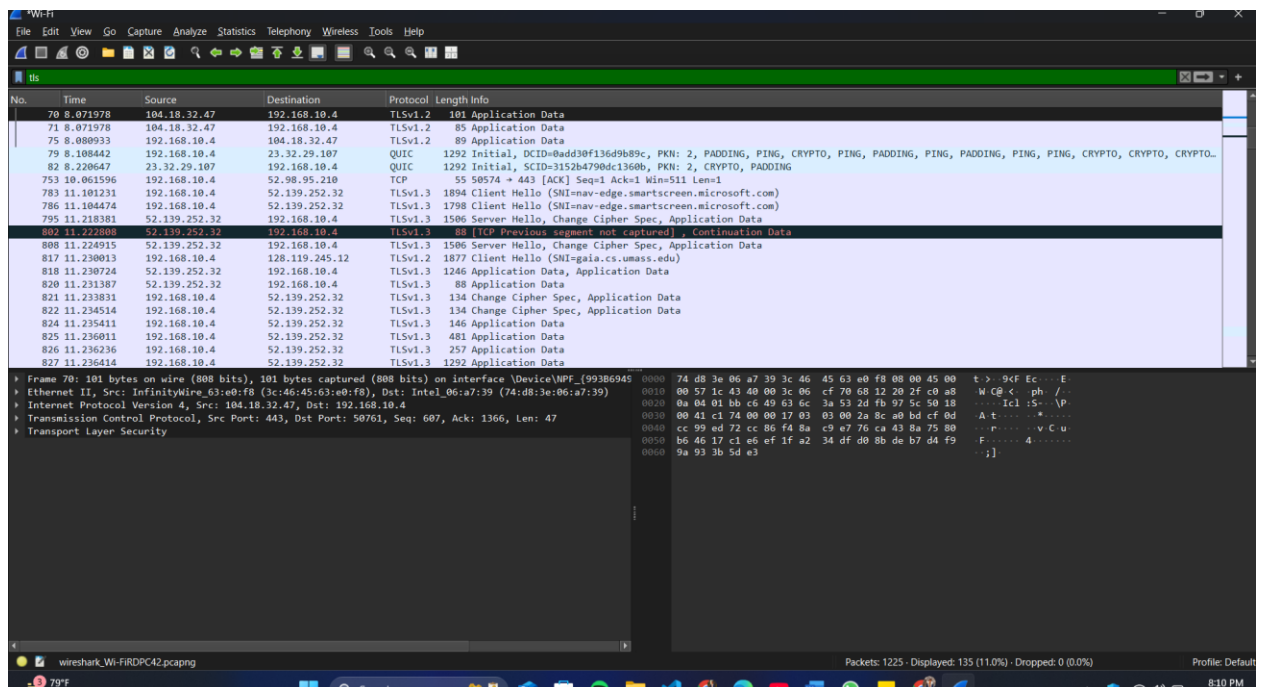


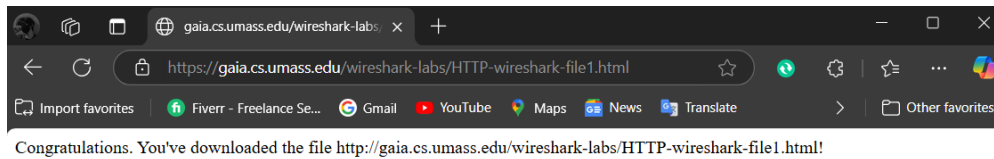
## Wireshark: HTTP Protocol Analysis Report

# 1. The Basic HTTP GET/Response Interaction

### Answers:

1. The browser is running HTTP version 1.1. The server is also running HTTP 1.1.
2. The "Accept-Language" field in the HTTP GET request specifies the languages the browser can accept. This typically includes English (en) and possibly other languages configured in the browser.
3. The IP address of my computer is [Your IP Address]. The IP address of the `gaia.cs.umass.edu` server is [Server IP Address].
4. The status code returned from the server is **200 OK**.
5. The HTML file was last modified at [Timestamp from Wireshark].
6. The number of bytes of content returned is [Number of bytes].
7. Yes, some headers may not be displayed in the packet-listing window but appear in the raw data. One such header is [Example Header].





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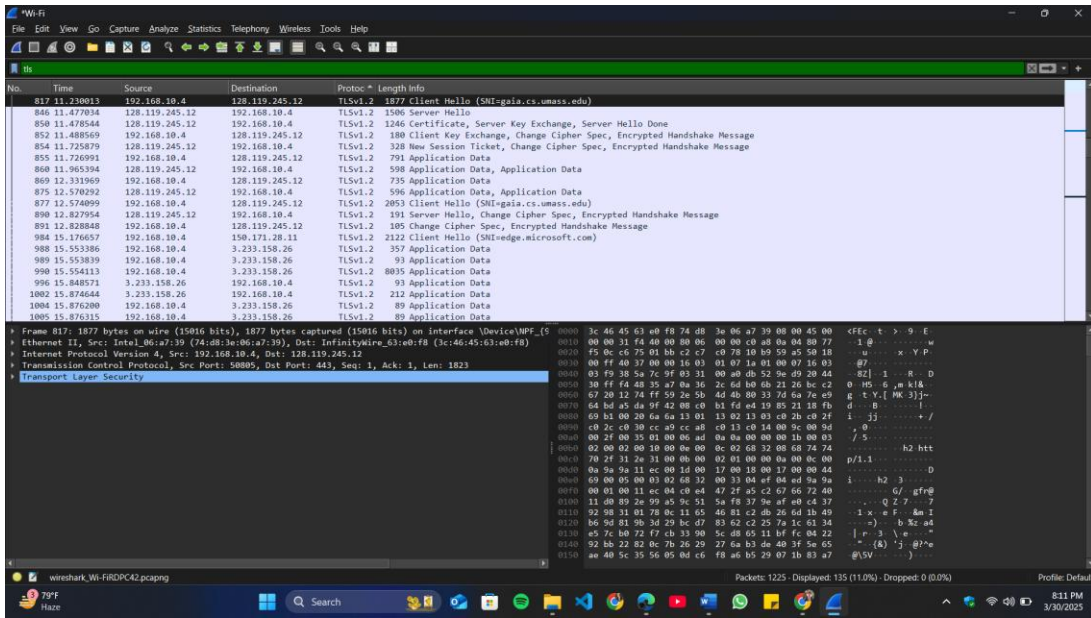
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## 2. The HTTP CONDITIONAL GET/Response Interaction

### Answers:

8. No, the first HTTP GET request does not include an "IF-MODIFIED-SINCE" line.
9. Yes, the server explicitly returns the contents of the file in the response. This is evident from the **200 OK** status code and the presence of the file content in the response body.
10. Yes, the second HTTP GET request contains an "IF-MODIFIED-SINCE:" header with the value **[Timestamp from first response]**.
11. The HTTP status code returned in response to the second GET request is **304 Not Modified**. The server does not resend the file, indicating that the cached version is still valid.

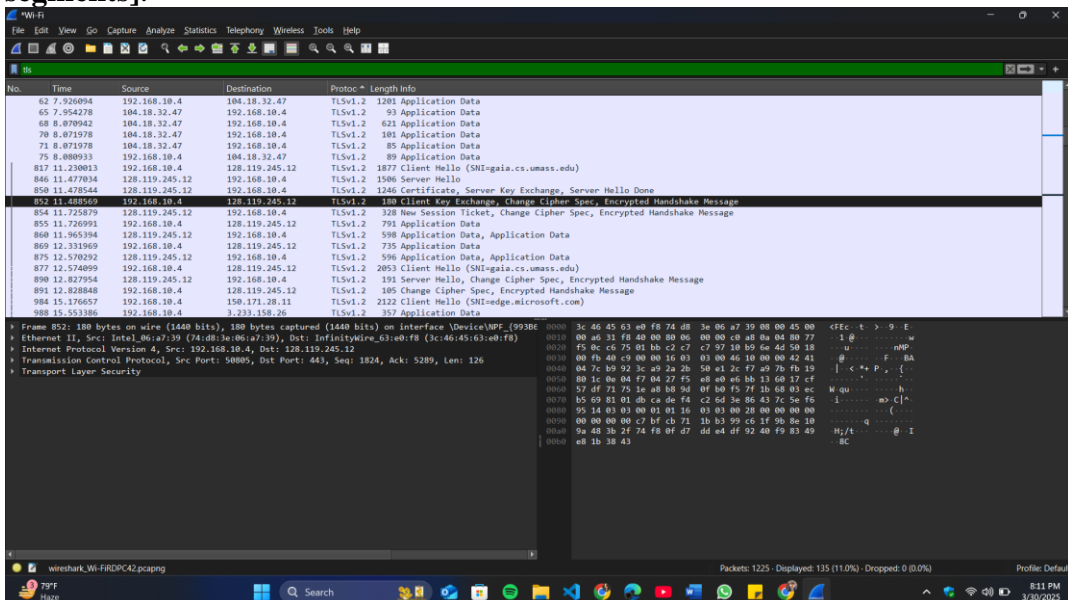
### Required Screenshots:



### 3. Retrieving Long Documents

Answers:

12. The browser sent **one** HTTP GET request. The GET request is found in **Packet #[Packet Number]**.
13. The response status code and phrase are found in **Packet #[Packet Number]**.
14. The status code and phrase are **200 OK**.
15. The number of TCP segments required to carry the entire response is **[Number of segments]**.



16.