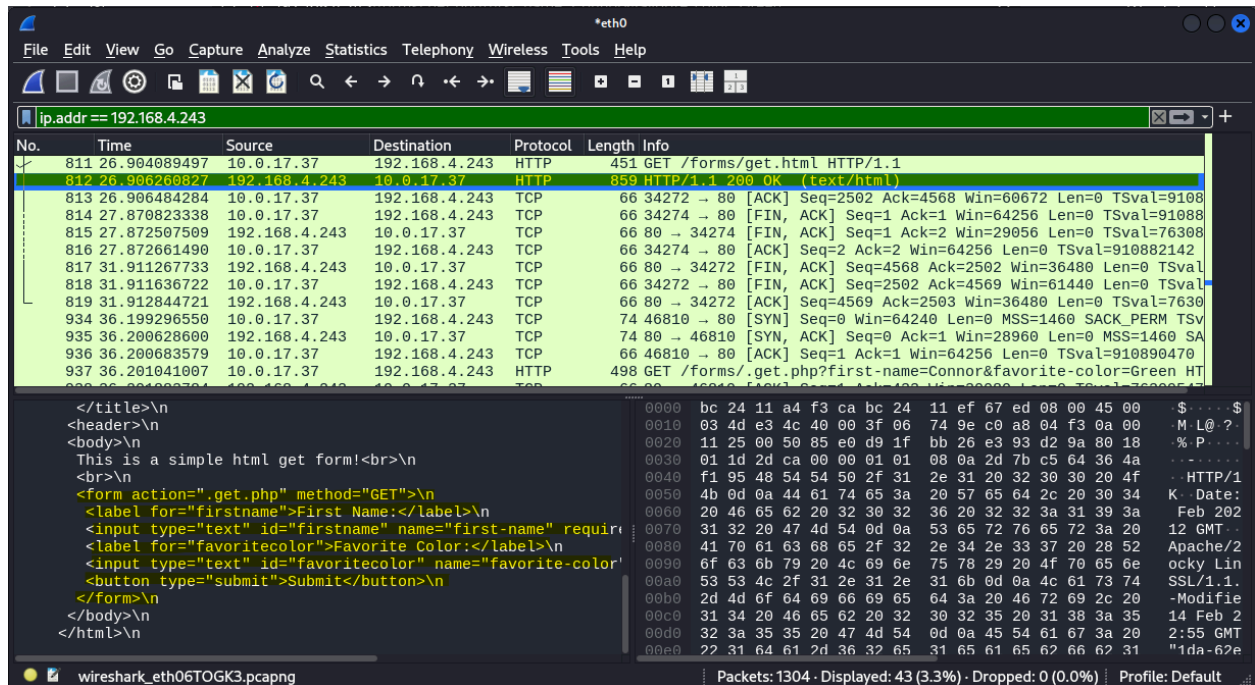
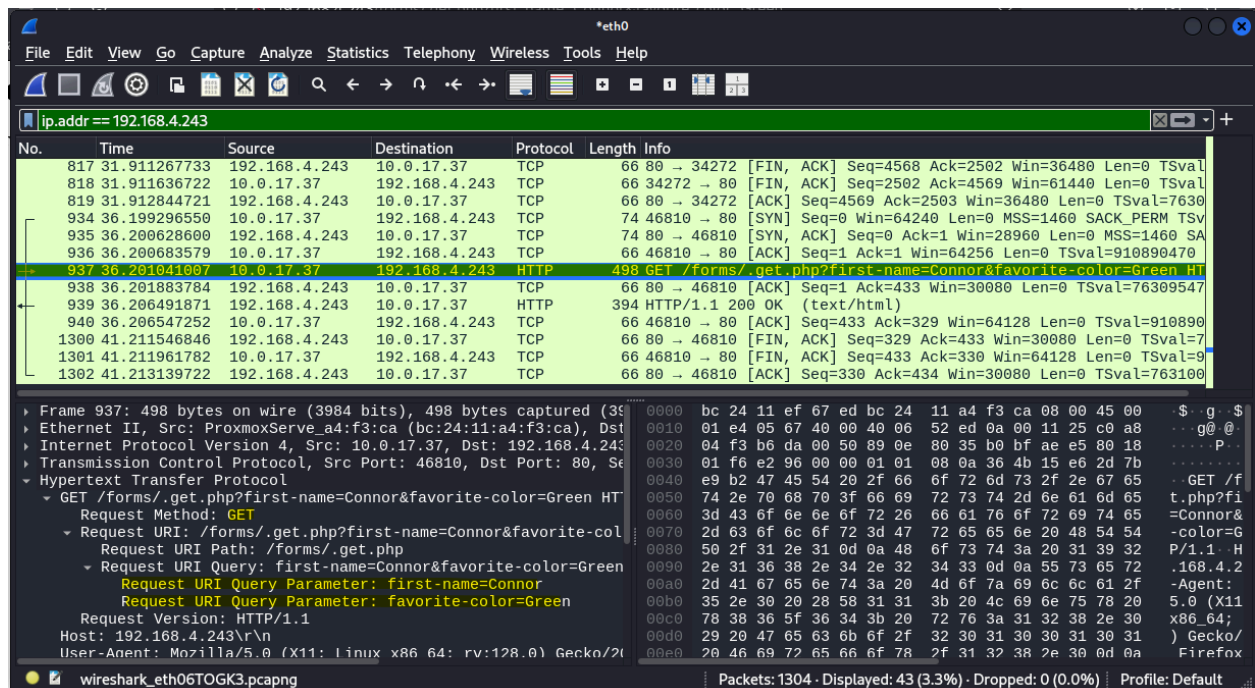


Connor Schuler  
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STR2026

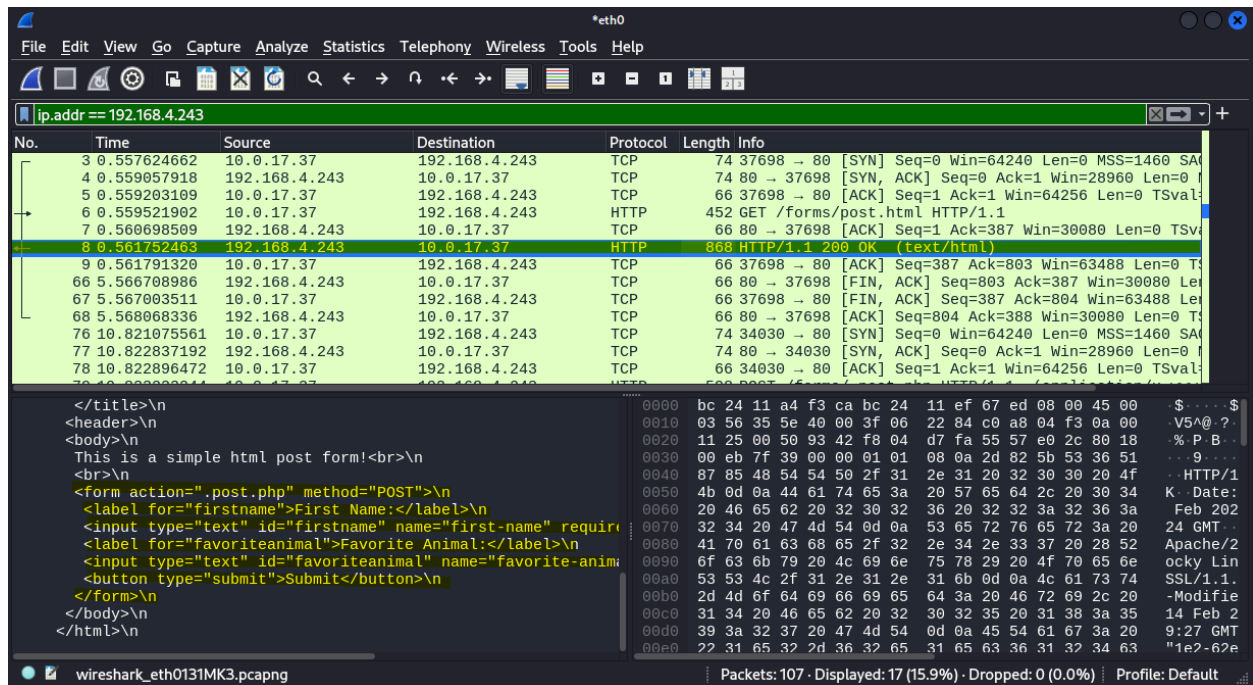
**Deliverable 1:** Image shows HTML code with form in packet received from server.



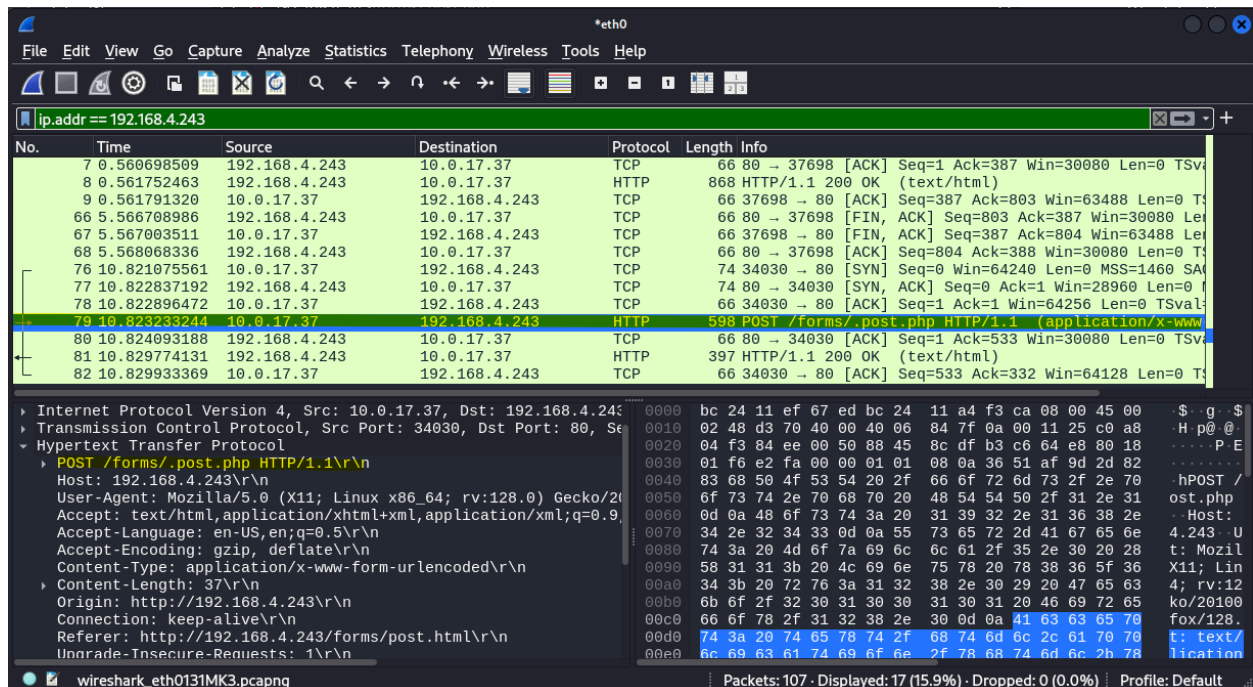
**Deliverables 2 & 3:** Image shows the GET request made from the client to the server, and the query parameters sent by the request to the server.



**Deliverable 4:** Image shows HTML code with form in packet received from server, which includes the method of POST in the first line.



**Deliverable 5 & 6:** Images shows the POST request, and the two fields in the body of the message.



Wireshark packet capture showing an HTTP POST request to 192.168.4.243. The packet list shows a POST request at frame 81. The packet details pane shows the request body with form items: first-name=Connor and favorite-animal=Dog. The packet bytes pane shows the raw data.

No.	Time	Source	Destination	Protocol	Length	Info
7	0.560698509	192.168.4.243	10.0.17.37	TCP	66	80 → 37698 [ACK] Seq=1 Ack=387 Win=30080 Len=0 TSval=...
8	0.561752463	192.168.4.243	10.0.17.37	HTTP	868	HTTP/1.1 200 OK (text/html)
9	0.561791320	10.0.17.37	192.168.4.243	TCP	66	37698 → 80 [ACK] Seq=387 Ack=803 Win=63488 Len=0 TSval=...
66	5.566708986	192.168.4.243	10.0.17.37	TCP	66	80 → 37698 [FIN, ACK] Seq=803 Ack=387 Win=30080 Len=0 TSval=...
67	5.567003511	10.0.17.37	192.168.4.243	TCP	66	37698 → 80 [FIN, ACK] Seq=387 Ack=804 Win=63488 Len=0 TSval=...
68	5.568068336	192.168.4.243	10.0.17.37	TCP	66	80 → 37698 [ACK] Seq=804 Ack=388 Win=30080 Len=0 TSval=...
76	10.821075561	10.0.17.37	192.168.4.243	TCP	74	34030 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK=...
77	10.822837192	192.168.4.243	10.0.17.37	TCP	74	80 → 34030 [SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 TSval=...
78	10.822896472	10.0.17.37	192.168.4.243	TCP	66	34030 → 80 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=...
79	10.823233244	10.0.17.37	192.168.4.243	HTTP	598	POST /forms/.post.php HTTP/1.1 (application/x-www-form-urlencoded)
80	10.824093188	192.168.4.243	10.0.17.37	TCP	66	80 → 34030 [ACK] Seq=1 Ack=533 Win=30080 Len=0 TSval=...
81	10.829774131	192.168.4.243	10.0.17.37	HTTP	397	HTTP/1.1 200 OK (text/html)
82	10.829933369	10.0.17.37	192.168.4.243	TCP	66	34030 → 80 [ACK] Seq=533 Ack=332 Win=64128 Len=0 TSval=...

Content-Type: application/x-www-form-urlencoded\r\n  
 Content-Length: 37\r\n  
 Origin: http://192.168.4.243\r\n  
 Connection: keep-alive\r\n  
 Referer: http://192.168.4.243/forms/post.html\r\n  
 Upgrade-Insecure-Requests: 1\r\n  
 Priority: u=0, i\r\n  
 \r\n  
 [Response in frame: 81]  
 [Full request URI: http://192.168.4.243/forms/.post.php]  
 File Data: 37 bytes  
 HTML Form URL Encoded: application/x-www-form-urlencoded  
 Form item: "first-name" = "Connor"  
 Form item: "favorite-animal" = "Dog"

**Deliverable 7:** The difference between GET and POST is the location of the user information sent to the server. In GET requests, the query information is included in the URL of the request. In POST requests, it is included in the body of the HTML request.

Wireshark packet capture showing an HTTP GET request to 192.168.4.243. The packet details pane shows the request body with form items: first-name=Connor and favorite-color=Green. The packet bytes pane shows the raw data.

Hypertext Transfer Protocol  
 GET /forms/.get.php?first-name=Connor&favorite-color=Green HTTP/1.1  
 Request Method: GET  
 Request URI: /forms/.get.php?first-name=Connor&favorite-color=Green  
 Request URI Path: /forms/.get.php  
 Request URI Query: first-name=Connor&favorite-color=Green  
 Request URI Query Parameter: first-name=Connor  
 Request URI Query Parameter: favorite-color=Green  
 Request Version: HTTP/1.1  
 Host: 192.168.4.243\r\n

Content-Type: application/x-www-form-urlencoded\r\n  
 Content-Length: 37\r\n  
 Origin: http://192.168.4.243\r\n  
 Connection: keep-alive\r\n  
 Referer: http://192.168.4.243/forms/post.html\r\n  
 Upgrade-Insecure-Requests: 1\r\n  
 Priority: u=0, i\r\n  
 \r\n  
 [Response in frame: 81]  
 [Full request URI: http://192.168.4.243/forms/.post.php]  
 File Data: 37 bytes  
 HTML Form URL Encoded: application/x-www-form-urlencoded  
 Form item: "first-name" = "Connor"  
 Form item: "favorite-animal" = "Dog"