**Xu Checklist**

|  |  |
| --- | --- |
| **Task** | **Complete?** |
| **My name is...** | **Lanny Xu** |
| **I have installed and run WireShark** | **YES** |
| **I have completed the Intro lab** | **YES** |
| **I have completed the IP lab** | **YES** |
| **I have completed the DNS lab** | **YES** |
| **I have completed the HTTP lab** | **YES** |
| **I have completed the TCP lab** | **YES** |
| **I have completed the UDP lab** | **YES** |
| **I have completed the SSL lab** | **YES** |
| **I have inserted my one-page write-up into the bottom of the checklist.** | **YES** |
| **I will have submitted this checklist to D2L** | **YES** |
| **Bragging Rights Below ---------------------** | **This Line** |
| **I did something cool and posted it at the discussion forum** | **No** |

In lab1, after downloaded and set up wireshark, I finished all the questions. In the end, got what is supposed to be printed. The get file 1.html with the host of umass.edu.

For lab2, I used traceroute command to successfully trace three packets with different lengths. And found some interesting results out from wireshark.

In DNS lab, I firstly ran three nslookup in terminal to complete question 1-3. Then, learned a little about ifconfig (thanks for the tip! Because in the pdf has basically nothing about what to do with mac) and used wireshark to capture the packet and tried to examine the DNS query message. Later, trace down the messages using nslookup commands.

In http lab, I followed the instructions and finished each 5 sections’ questions. It’s very detailed and easier to follow than the DNS lab, because there is no difference between mac or windows, and no need to search for tips.

In TCP lab, firstly, I got Alice in Wonderland uploaded to umass server, and use fileshark to capture the trace. Later, learned about how to show the differences between TCP and HTTP, and some basics about TCP: ACK, SYN, etc. Last, learned to use plotting tool to draw time/ sequence graph.

For UDP lab, I learned what exactly what UDP is and followed the steps to each question. Also learned that SNMP sends messages in UDP, so my wireshark shows the message in the traces.

For last lab, I first go to amazon and capture and filtered out SSL message. Then, I followed steps to see the records for clienthello, serverhello, client key exchange, the CCS and application data.

Overall, this experience is great and I learned more about networks labs.