

CS302 Computer Network Lab

Assignment 2

Due Date: 4/10/2021

Submission details: Code and Report (soft copy)

References:

1. <https://www.geeksforgeeks.org/what-is-web-socket-and-how-it-is-different-from-the-http/>
2. <http://www2.cs.uh.edu/~gnawali/courses/cosc6377-f12/p1/http.html>
3. <https://www.geeksforgeeks.org/domain-name-system-dns-in-application-layer/>
4. <https://www.youtube.com/watch?v=lb1DwoelwoQ> – Wireshark
5. <https://www.youtube.com/watch?v=jL4uJfCzBA4>

1. Using TCP socket, implement HTTP server and client.
2. Write a program to translate a Domain name or hostname to its IP address and vice versa
3. Develop a program to view the data of top 50 movies in IMDB. (Movie name, actors, IMDB ratings)
4. Write a program to display the details of an input URL (status code, headers, history, encoding, reason, cookies, elapsed, request)

Wireshark:

5. Capture HTTP packets by visiting a HTTP Website, analyse the packets and significance of its various fields. Do the same for HTTPS packets and compare both