Project Rubric and Submission Guideline
CS336: Computer Networks Spring 2020

Compression Detection Client/Server Application	60 pts
Config File (enabling the feature and correct parsing)	10
Pre/Post-Probing Phase TCP Connection	10
UDP Packet Train: All packets have the fixed and correct size	10
UDP Packet Train: Don't fragment bit	6
UDP Packet Train: Packet IDs are properly set and retrieved	6
UDP Packet Train: Low entropy and high entropy payloads are properly set	8
UDP Packet Train: Source/Destination ports and IP addresses are set	10

Compression Detection Standalone Application	20 pts
TTL is incremented and set properly in UDP packet train	10
Head and Tail SYN packets are correctly set	5
Capturing and handling the RST packets	5

Network Application Verification	12 pts
Packet capture at sender (client/server application)	6
Packet capture at sender (standalone application)	6

Deliverables (in addition to code)	8 pts
Code Style (following GNU C Coding Standards[1])	3
Presentation	5

Submission Guidelines:

You are to submit the following four files (only one submission per group):

- A compressed file (tar.gz or .zip) that includes all your source files. Do not include any executables, object files, or source files associated to standard library. You must include your makefile if you have any.

- `README.txt`: This includes (1) all your team members information, and (2) complete instructions on how one can build and run your code. `README.txt` is a form of software documentation. You can find instructions on how to create a very good `README.txt` here.

- `client_server.pcap`[2]: The live packet capture at sender (client/server application) must include *all* (and *only*) the traffic generated by your application. You must use appropriate filters to ensure that your pcap file doesn't contain any other traffic but those generated or triggered by your application.

- `standalone.pcap`: Similar to `client_server.pcap`, this live packet capture at sender is for your standalone application.

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[1] You may choose any other coding standard, as long as you are using one and it is consistent throughout your code.

[2] For this, you *must* run your application with the default values of the parameters in the config file. For those that the default values have not been specified in the Project Specification, you can set them to any values.