UNITED STATES MILITARY ACADEMY

PROJECT 3 CHECKPOINT

CY350X: COMPUTER NETWORKS

SECTION L2

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\_CE MY DOCUMENTATION IDENTIFIES ALL SOURCES USED AND ASSISTANCE RECEIVED IN COMPLETING THIS ASSIGNMENT.

I DID NOT USE ANY SOURCES OR ASSISTANCE REQUIRING DOCUMENTATION IN COMPLETING THIS ASSIGNMENT.

SIGNATURE: Christopher Eno\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The RFC number for ICMP is 792.
   1. Source: <https://datatracker.ietf.org/doc/rfc792/>
2. I will use the Fernet section of the pyca/cryptography library to do my encryption. This library offers a wide variety of cryptographic methods, but Fernet specifically applies to symmetric encryption, which is what I will be using in this project.
   1. Source: <https://cryptography.io/en/latest/>
3. For this project, I will need ICMP types 0 (echo reply) and 8 (echo). Both of these will be used with code 0, which represents a successful transmission.
4. Flowcharts
   1. Client

A picture containing text, map, indoor

Description automatically generated

* 1. Server

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