CSCI 4220 Assignment 2

TFTP Server

Due Date: Sunday, March 19, 11:59:59 PM

Your task for this team-based (max. 2) assignment is to implement a TFTP server according to RFC 1350.

Your server should be able to support multiple connections at the same time by calling the `fork()` system call which you should be familiar with from Operating Systems. You MUST support the "octet" mode. You should not implement the "mail" mode or the "netascii" mode.

Upon not receiving data for 1 second, your sender should retransmit its last packet. Similarly, if you have not heard from the other party for 10 seconds, you should abort the connection.

Take care to not allow the Sorcerer's Apprentice Syndrome which should have been covered in Short Lecture 11. Additionally, we will only be testing files smaller than 32 MB.

Be sure when testing using the tftp Linux client (for example) to set the mode to binary.

`SIGALRM` is discussed in our textbook (Chapter 14) which may be useful when implementing timeouts.

Please include a README.txt file which should include your name, the name of your partner, and any helpful remarks for the grader.

Please make sure to get started early!