

CSE3461 Lab2 Demo Procedure

1. **Basic file transfer over udp (25%)** *(if you fail at this step, we will skip step 2)*
 - a. `netstat -a | grep "<portnumber>"` (your program has to use UDP)
 - b. Sender sends one file to Receiver (no loss and corruption probability)
 - c. Check file integrity: `diff send_file recv_file`
2. **Basic file transfer over udp (20%) over lossy channel**
 - a. (5%) set the probability of packet loss to be 100% at the receiver *(if you fail at this step, we will skip steps 2b and 2c)*
 - b. Sequence number (10%), file integrity (5%): transmit a large file with some loss and corruption probability *(It is recommended that sequence number starts from zero)*
3. **Reliable file transfer (40%)**
 - a. ACK, Retransmission, Timer (20%): set the probability of packet loss to be 100% at the receiver *(if you fail at this step, we will skip steps 2b and 2c)*
 - b. Reliable transfer procedure (10%): use very small file transfer to send this file. Ask the student to explain the whole procedure, given a probability of packet loss at both sender and receiver
 - c. Reliable transfer procedure (10%): transmit a large file with some loss and corruption probability (same as the above. Seq#, file integrity)
4. **Report, slides and questions (15%)**
 - a. Slides: Design and implementation, Experiences you gain, Lesson learned
 - b. Two implementation questions

Note:

1. We will prepare the files which you submit, so you do not need to bring any file. In case, you can bring your laptop.
2. You have 10 minutes to show the demo. You are allowed to change your codes during the demo, but you will loss all the points of the parts which you are unable to show in time.
3. You need to clearly show the messages including the required information to the screen so that you can easily show the correctness of your program. You will lose some points if you cannot finish the demo in 10 minutes due to unclear printout messages.