

## CS118 Project 2 Demo Procedure

1. Basic file transfer over udp (20%) (if you fail at this step, we will skip step 2)
  - a. `netstat -an | grep ""` ( 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. Reliable file transfer (60%)
  - a. Retransmission, Window, Timer (15%)
    - :Set the probability of packet loss to be 100% at the receiver
  - b. Sequence number (10%), file integrity (10%)
    - : transmit a large file with some loss and corruption probability
  - c. Reliable transfer procedure (25%)
    - :Use very small file transfer to explain the whole procedure (Selective repeat), given a probability of packet loss and corruption at both sender and receiver
3. Slides (10%) and questions (10%)
  - a. Slides: Design and implementation, Experiences you gain, Lesson learned
  - b. Two implementation questions
4. Congestion control (20% extra)
  - a. I will check CWND, SStresh, Slow Start, Fast ReTx/Recovery, and Congestion Avoidance

### Note:

1. We will prepare the files that you submit, so you do not need to bring any file.
2. You have 15 minutes to show the demo. You are not allowed to change your codes during the demo.
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 15 minutes due to unclear printout messages.
4. The window size is given in the unit of bytes.