

Project 1 - Rubric

Test Case	Weightage
CRC	
Single byte flips and rectangular errors	10
Failure to detect corruption will cause some Sliding Window tests to fail as well.	
Retransmission	
Ensure retransmission of dropped packet happens in expected time.	12
Failure to retransmit messages on timeout/corruption will cause some Sliding Window tests to fail as well.	
Fragmentation	
Make sure input message of size >64 bytes gets fragmented and printed out at receiver (could be in multiple lines in receiver output)	6
Sliding Window Protocol	
Out-of-order packet reception	4
Drop ACK for packet 1 and check if sender goes into a send loop (See https://piazza.com/class/hkyok2bsf09me?cid=97)	7
Check that no more than 8 packets are outstanding while sending packets with no drop/corruption	9
Check if packets printed in order for various combinations of corrupt and drop probabilities [Partly in test.sh]	35
Sequence Number Wrap Around	
Ensure packets past #256 are received and printed correctly	5
Very large input messages	
Check no more than 8 packets outstanding for very large inputs	10
Misc	
Send 1 packet and check if it gets received [#1 in test.sh]	2
TOTAL	100