Assignment 3

Sliding Window

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1. Evaluate the correctness of your implementation: send a few large files from a server to a client preferably connected over a wireless link. Compare the size of sent and received files.

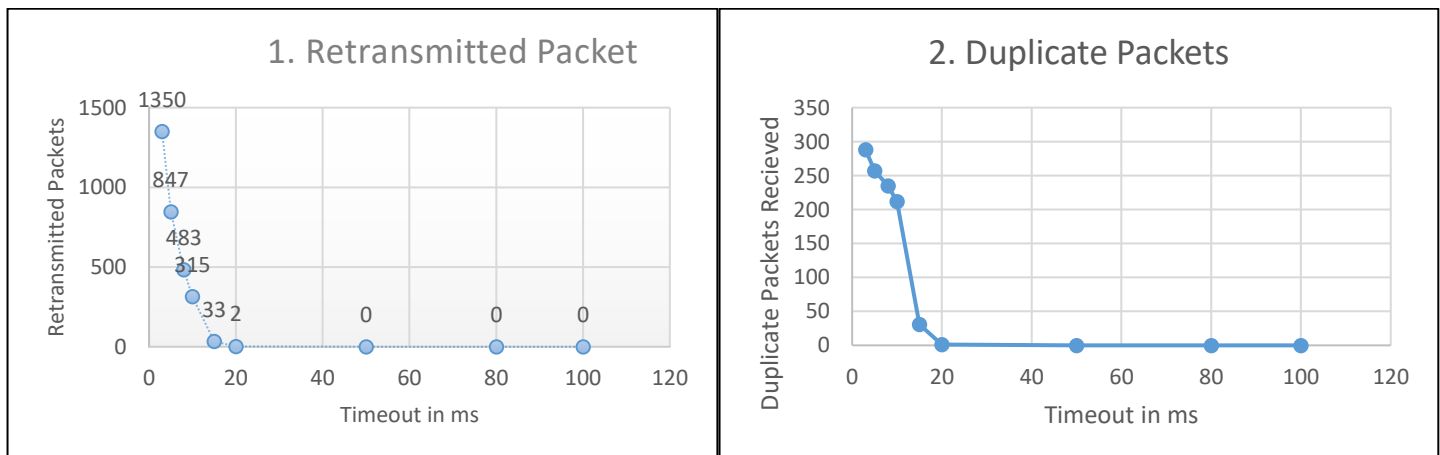Tested on various **file formats** of **different size**.

Default TimeOut: 30ms

File Type	Actual Size	Received Size
.mp3	9883 KB	9883 KB
.mp4	15937 KB	15937 KB
.avi	712568 KB	712568 KB

Timeout for a packet vs Retransmitted Packets by Server (due to loss of acknowledgement /Packet loss) and Duplicate Packets received by client.

File Format : .mp4   **Number of Packets:** 404

Timeout (in ms)	Number of Unique Packets Send/Received	Retransmitted Packet By Server	Duplicate Packets received by client
100	404	0	0
80	404	0	0
50	404	0	0
20	404	2	1
15	404	33	31
10	404	315	212
8	404	483	235
5	404	847	257
3	404	1350	288

Plots based on Recorded observation 1) Timeouts vs Retransmitted Packets and 2) Timeouts vs Duplicate Packets

2. Vary SWS (keeping RWS = SWS) and plot the measured data rate against SWS.