Michael Chang (machang), Mitchell Lee (mklee1)

18-441

Project 2 Design Document

Packet Format:

Below, we have included our own packet format. It is similar to TCP, but is more of a barebones version. It includes less information, but we have chosen to retain some of it. For example, we chose to retain the source port and destination port for sending purposes. We also include the checksum for error correction. Lastly, we include the sequence and acknowledgement numbers to aid in setting up the connection. In order to maintain the format, we include 16 bits of padding after the checksum before sending the actual packet information.

Bit offset	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
0	Source Port	Destination Port
32	Sequence Number	
64	Acknowledgement Number	
96	Checksum	Padding
128+	Packet Information	

State Transition Diagram:

