

## Socket Programming Project – Network Tester, Part 2

Name	Major	Primary Objective (75 pts)	Secondary Objectives (25 pts)	Total Score (100 pts)

### Evaluation Rubric – Primary Objective (75 pts possible):

*Measure network bandwidth and round-trip latency for both TCP and UDP packets*

Description	Points	Score
All requirements from Part One of Network Tester project met	<b>15</b>	
TCP_STREAM test Measurement: Mbits/sec	<b>15</b>	
UDP_STREAM test Measurement: Mbits/sec and packet loss percentage	<b>15</b>	
TCP_RR test Measurement: Roundtrip packets/sec	<b>15</b>	
UDP_RR test Measurement: Roundtrip packets/sec and packet loss percentage	<b>15</b>	
<b>Total (75 pts possible)</b>		

### Evaluation Rubric – Secondary Objectives (25 pts possible):

Description	Points	Score
Nagle's algorithm disabled for TCP_RR test	<b>5</b>	
Client and server are silent while test is being conducted	<b>5</b>	
Port and packet count fields (in control messages) sent in big endian data format	<b>5</b>	
Testing client and server with another student (and across physical network)	<b>10</b>	
<b>Total (25 pts possible)</b>		

**Comments:**