

Project 3 Test Cases

Here are short descriptions of test cases run by the AutoGrader for Project 3. Please check that your program doesn't print out your debugging statements or take unusually long, this will probably give you a `resourceLimitExceed` error.

I. Basic Connection Establishment and Termination

- a. testID net-101: connect/accept
- b. testID net-103: connect blocks until connected
- c. testID net-105: can make multiple simultaneous connections to same remote host/port

II. Basic User Data Transfer

- a. testID net-201: read/write work
- b. testID net-203: read returns queued data even after connection closed by remote host

III. Error Handling During Connection Establishment

Test whether you can still make a connection if packets are dropped during and shortly after making the calls to `connect()` and `accept()`.

- a. testID net-301: dropping packets during connection establishment

IV. Advanced User Data Transfer

If we write a significant amount of data in one end of the connection, can we read it back out on the other end? That is, does the network actually allow me to transfer data.

- a. testID net-403: one-way bulk data transfer with dropped packets