

Project 2 Milestone 1:

Proof of code working:

```
brooklyn@brooklyn-ThinkPad-P1-Gen-5:~/Documents/Coursework/ECE 312/ECE_312_project_2$ ./udpclient
> Enter the message you'd like to send: hello
> Sending: hello
> Received RHP packet with failed checksum:
RHP Packet:
Byte order: Little Endian
Version: 12
Value : 12
Raw   : 0C
Source Port: 6260
Value : 6260
Raw   : 74 18
Destination Port: 16383
Value : 16383
Raw   : FF 3F
Length and Type: 30
Value (combined): 30
Raw           : 1E 00
Decoded Length : 30 bytes
Decoded Type   : 0 (Control Message)
Checksum: 0x0C 7B
Checksum Passed: No
Calculated Checksum: 0x720C
Received Checksum: 0x7B0C
> Received packet failed checksum validation; retrying send

Received Response from Server:
RHP Packet:
Byte order: Little Endian
Version: 12
Value : 12
Raw   : 0C
Source Port: 6260
Value : 6260
Raw   : 74 18
Destination Port: 3285
Value : 3285
Raw   : D5 0C
Length and Type: 31
Value (combined): 31
Raw           : 1F 00
Decoded Length : 31 bytes
Decoded Type   : 0 (Control Message)
Checksum: 0x83 1C
Checksum Passed: Yes
Payload (31 bytes):
RHP message received - success
```