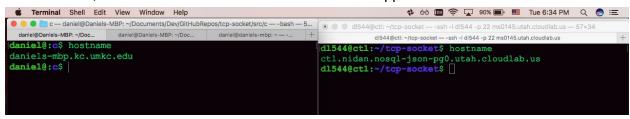
## Project #2 Daniel Ernesto Lopez Barron ID: 16215333

This shows the different hosts that I used to test the Project 2. I used the hostname command to output the domains used to test the project. The right window runs the client application in my local machine, whereas the left window shows the server application on a remote session.



In this image we can see the content of the local file hello.txt, which we will send to the server by using the tag:file in the command line and then indicating the file path. Furthermore, the next image illustrates how the file is received in the server side, by reading the :file tag, the server knows that a file is being transmitted. Once the transmission is over, both client and server stop the communication and close the connection.

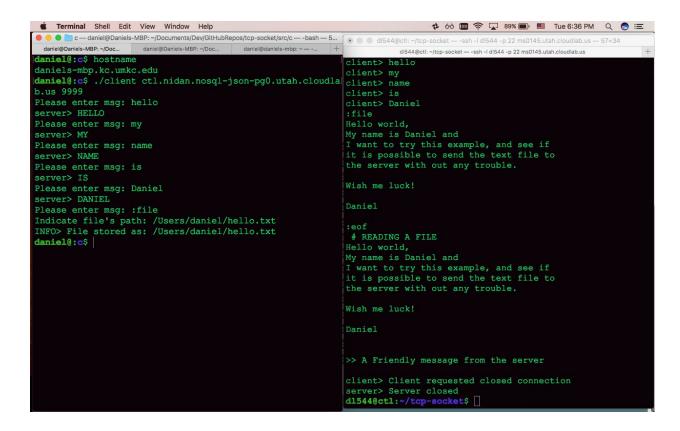
```
€ Terminal Shell Edit View Window Help
              ndaniel - daniel@daniels-mbp: ~

● ● dl544@ctl: ~/tcp-socket — -ssh -l dl544 -p 22 ms0145.utah.cloudlab.us — 57×34

daniel@:~$ cat /Users/daniel/hello.txt
                                                                d1544@ctl:~/tcp-socket$ hostname
Hello world,
                                                                ctl.nidan.nosql-json-pg0.utah.cloudlab.us
My name is Daniel and
                                                                dl544@ctl:~/tcp-socket$ python server.py ctl.nidan.nosql-
I want to try this example, and see if
                                                                json-pg0.utah.cloudlab.us 9999
it is possible to send the text file to
                                                                client> hello
the server with out any trouble.
                                                                client> name
Wish me luck!
                                                                client> is
                                                                client> Daniel
Daniel
```

The following image shows how to communicate with the server, where the server will echo the message coming from the client, but as uppercase text. Also, if the client chooses to stop the communication, it can send the flag \$die, and both server and client will stop.

```
|daniel@:c$ ./client ctl.nidan.nosql-json-pg0.utah.cloudlal | dl544@ctl:~/tcp-socket$ python server.py ctl.nidan.nosql-| b.us 9999
Please enter msg: Hello_again | client> Hello_again | client> Hello_again | client> Hello_again | client> Client | requested closed connection | server> Server closed | closing the socket | daniel@:c$ | daniel@:c$ |
```



The following image shows the content of both server and local client. In the server side (right part of the image) a temporary file called tempFile.txt gets created with the content of the client side plus a message appended by the server application. Similarly, the local client's file hello.txt (left part of the image) gets overwritten with the content from the server

