

README:

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For Asst3 we did just the base case. Our base case includes all the functionalities asked for and including pthread and mutex locking and unlocking. The client is able to call functions such as netopen(), netread(), netwrite(), and netclose(). In doing so, the parameters and data is put into a buffer to send to our netserver. Depending on the certain function called, the buffer will be parsed for information and stored into a struct array. All of our messages sent to the server either start with 1,2,3,4 which indicates open, read, write and close respectively. In the server we will call those functions, and return the given file descriptors or the number of bytes read/write.

For the errno setting, on the server side the errno is automatically set. If we get a return value of -1 from either open/read/write/close we will create a buffer starting with -1 and then the appropriated errno in integer form. On the libnetfiles.c side we will parse the buffer and set the errno there and then return -1 to the client.