API for Fluid Control Board

Setup:

1. To utilize the API for the fluid control board, first import the FCB module from FCB.py within the same directory. This can be done with including “from FCB import FCB” at the beginning of the program.
2. To initialize the API, only two steps is required. First, construction of the Object. Second initialization of the serial connection.
   1. Constructer: “board=FCB()”

This create an FCB object and could be later reference by “board”. To call function within the class one can simply write “board.some\_function()”

* 1. Serial initialization: “board.startLink(“Serial\_port\_name”)”

Serial\_port\_name could be replaced by the string variable. If the initialization is successful, function will return True, and false otherwise To find out the name of the serial port function “board.listAllSerialPort()” could be called and print out all existing port connected to the computer.

Alternatively, Constructor could also be called with the serial name to skip this serial initialization. “board=FCB (“Serial\_port\_name”)”

Usage:

List of available functions are listed in the README. Additionally, three examples code have been provided.