Weeks 5&6

This week, we are just about to finish wrapping everything up. As of now we are just making sure that our code works and is ready to use during the presentation. We are currently working on getting the Arduino to take in a variable from Java and have it sent to the Arduino. Currently we are making an Arduino move at certain positions depending on numbers we send to a text variables. We are using the Processing IDE and Arduino IDE. The problem we are currently face is getting Arduino to read the text file. We must manually type in numbers ourselves. Just to summarize, we are trying to get a text file that only contains ONE number. Have the processing app read it and then have Arduino move at certain positions.

Here is what we have tried so far:

1.Delete the if statement with the switch

2.Changed myport ('0') to myport ('9') since that's where our wire is connected

3.Tried to use ByteRead on Arduino but it does nothing

4.Tried to convert ByteRead into an int instead of a byte

We have checked on Google, but no luck the only link we found was this <http://arduinobasics.blogspot.com/2012/05/reading-from-text-file-and-sending-to.html>

Processing IDE Code: <https://pastebin.com/xtFF1rJd>

Arduino code: <https://pastebin.com/BShcNRg5>

The problem as of now is having the USB port that connects Arduino to the PC. Only one of these can run that port at a time. Note that Arduino UNO, Nano etc. with ATmega328 chip have only one hardware serial. In this case we must use some software UART emulation to get the second serial port to work. Finally, we are going to do a presentation on Friday.