

May 28th: The other DREU intern and I were introduced to lab and the various projects. We filled out some lab forms, and since we might be part of user studies this summer, took the appropriate IRB modules to get certified. The rest of the day was spent reading research papers about some of the lab's projects.

May 29th: I started the day reading over the study protocol for a user study the Articulab is planning on doing. I got assigned my project for now, which will be completing the application that the participants will use in the user study. They had an application already started using C# on Visual Basic 2008. I spent some time familiarizing myself with Visual Studio and the code, and then started to work on creating the log file for the application, based on things that occur in the program.

May 30th: I continued to work on the log file. I have much more of a handle on using Visual Basic today. Moving smoothly. Only real issue I had was a few stubborn TargetInvocationException errors - it referenced a very high level method when the real error was an error in file-naming that was in the previous code, but due to the audio renaming I did, no longer worked correctly. By the end of the day, I completed the coding for the log file, at least as much as I could until we had real data to use, instead of mock data. Basically the log takes in the login input for each participant, and monitors their performance on each of the tasks the application has them perform. It then writes this information to a csv file.

May 31st: I created the post processing dialog to write participant info to their files. It pops up after the application, for the experimenters to input data about the participant. I then started working on the audio recording section. It was really hard to find information on this -- at least usable information. Many sites directed me to additional libraries, which I had trouble installing. There was never any documentation with the libraries, so I wasn't sure where the files went. I finally did find a useable library, NAudio, and I got it to record. I also put a loading bar countdown graphic. The recording section now has its own popup dialog. Have to add in the audio playing part still.

I got some sort of odd referencing issue (caused by file copying) that took me a bit to figure out. I had to rename the public function manually to fix it. Renaming the file only renamed the class, not any of the methods. Duh!

ToDo for next Week: Fix the post processing so that it puts the info in all rows, in their own columns. Continue working on the record section.