This week, we completed the set up of the test space. We mounted all 4 microphones, used extention cables where needed, adjusted the test space by taking note of the ambient noise, and also we finished the onset detection and filtration of the code. We moved the baseline noise measurement to the first part of the program, hence instructed the program to reject any sound that doesn't set off all 4 microphones.

As far as the RLS filter is concerned, we were able to get it to work. We noticed that the program is taking longer to run and it will probably take longer as we integrate the time-delay database.

As far as the time-delay database is concerned, we were able to integrate it with the program and save needed values in it. But specifically, it is not complete yet, we are planning to finish it by the end of the week or over the weekend. The only issue we are having is deciding the size of the matrix, and somehow saving the values of the first iteration before the second iteration begins. And how we will communicate with the matrix is also something that needs some work. But we are hopeful that by end of this week we should have something concrete.

Goals for next week:
1) Finish database
2) Run simulation in real time and detect correct coordinates.