Daily Log

Monday September 30 (Out of Class, Worked at home)

I uncovered some bugs today regarding the link between the sheet and the UI. I was under the impression that the UI would be able to be updated live, and the UI would change to reflect this, however, due to the nature of the python module (xlrd), this isn't possible with my current configuration. Began looking at PyXL, an alternative to xlrd.

Tuesday October 1

Found a way to solve the xlrd issue without completely switching over to PyXL. After some debugging was finally able to fix issue via a built-in "refresh" function of the xlrd module. Required configuring the "import data" functions I have set up a bit differently, but in the end got everything working properly.

Thursday October 3

Began working on NN (researching tensorflow w/ keras). Started outlining some method's within my code for Neural Network setup, training and execution. Output from the functions is just a random number right now. NN is not functional yet as I am still in the preliminary stages of setting it up.

Timeline

Date	Goal	Met
September 16-20	Be able to query data from the database in the UI	Yes, Data able to be queryed, but need to fi nish hooking it up to the UI.
September 22-28	Finish UI, (data query and include space for eventual neural network result)	Yes, Data query works, space for NN added, need to finish conversion table implementation into UI.
September 29-October 5	Begin work on NN, have random output as result of running network	Yes, although not as much as I hoped due to fixing some bugs
October 6-12	Finish structuring NN, begin implementation in tensorflow	
October 13-19	Finish NN implementation in tensorflow w/ keras, begin configuring training / testing dataset	

Reflection

The majority of this week was used to solve some bugs I was having with the UI that I didn't know existed until I was testing out some things regarding the NN implementation into the UI. While I was able to solve the issues my program was having, I lost time that I wish I could have spent starting to structure the Neural Network. I was eventually able to get to working on it this week. Although most of the work completed on the NN this week was preliminary research into NN types that would be best for the problem I am trying to solve (a simple feed-forward network should suffice). Was able to barely complete my goal this week, which means I should have a bit of catching up to do in the coming weeks in order to make up for some time lost.