Project 3 Documentation

First, I created void functions for each line of information that was extracted from the district website. When these functions are called they will extract the information from the document “output.txt” which is a document of all the information that was extracted from the website from project 1. I also created a “toLower” function that will convert any string to all lowercase letters, so when there is user input it will not matter what case the input is in.

Then, in main(), I initialized a vector, a string variable and read in output.txt using fstream. Then, I read in the file and put all the information in the string vector. Then, I created an infinite while loop where a string input is initialized. Then, I created a while loop to take in the user input and save it in the input string. Then I created a series of else if statements, that would take in the string input, pass it through the toLower function, and compare it to a series of possible statements a user might ask about the representative. And each if else statement would call the function or functions associated with the information that the question is asking. Thus, when the user inputs “what is their name” the output will be Shedron D. Williams. Then, the second to last else if statement was written to exit the while loop if “quit” or “q” is entered by the user. And the final if else statement will run if anything aside from the options in the else if statements above are not inputted by the user. This statement will output that the input is invalid or that the program does not possess that information and continue the while loop.