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CSCE 240, Section 001

Assignment 4 Report

The goal for assignment 4 was to have the system adapt rather than the user if the given query is unrecognized. The suggested approach was to take the user's query, match it to the closest of the six supported queries, then calculate a confidence level based on how much the query matched. If the confidence is over a certain value or threshold, the query will be run but if not, it will ask the user to rephrase their question. Similar to the previous assignment, this program will run until "quit", "Quit", or "q" is passed in. For this assignment I felt that I could reuse some of my code from the previous assignment since I realized that I already went ahead and created searches for more detailed questions that could be carried over into this assignment. I believed that it would be easier to do that instead of having to create a completely new way of evaluating a query. Although one major feature that I added to this program was the ability to extract data from the html file itself. Instead of hardcoding the information into the program which is what I did previously, I added a method dedicated to extracting data from the source code and stored it into variables that can be accessed. I also created more regex patterns to search for information that I haven't already included. My next goal is to be able to search and return more specific data from the representative's personal information since the program can only print out the entire list as of now.