

Project 2

So the goal for this project was to extract as much information as we could without trying to hardcode anything. For this this project I used a series of regex pattern to try my best to get any dynamic information as I could if someone else decided to use my methods/code and implement on their own. In program I have 6 classes however I didn't use all six because through experimenting and researching how to go about extracting information of that nature became very time consuming. So, for my program I stuck to just working on two classes one for personal information and one for contact information. Finally I have a main cpp file that takes inherits from these classes.

So the way my program works is I ask the user to enter their district name and .txt so I can use their text file of their representative. Next, I ask them six questions regarding what information they want. Whether the information is contact information, personal information, stuff about the representative's vote record, committee assignments, and so on. Afterwards I depending on what their choice I output the representative info for example their name in the terminal and in a output file called text_output. I would also have an else statement that print a message out to the terminal stating I couldn't that information

To describe what I learned, I must first give appreciation to regex and how it is applicable to a lot of search engines and systems. I learned that regex can be used to separate entire strings without much help, and this is particularly useful when you are trying to pull a specific portion of a string out. Normal If else statements do not always have this capability which is why this was so value to learn and I am happy to have done so.