Chatbot Project

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Scope

- District 92

- C++

Data

- Available Data: Name, Personal Information(addresses, phone numbers), Voting Record, Committees

- Retrieved Data: All static information

Code Organization

- Functionality from all programs combined into one final program.

- Program 1- Data retrieved and stored in a class(with subclasses).

- Program 2- Data processed and answers extracted.

- Program 3- Command line- playing with main method, allowing quit

- Program 4- Handle Queries- regex!

- Program 5- Statistics- Write to csv, retrieve filename from csv.

- Program 6- Reuse limited thanks to serialization and classes

Queries Snapshot

- Video Link: https://youtu.be/KlUF644gYgg

Supported queries-

- "Tell me about the representative"

- "Where does the rep live"

- "How do I contact my rep"

- "What committees is my repo on"

- "Tell me everything"

- "What district do you support for Q/A"

- Case insensitive, "quit" and unrecognized queries as well, with extra functionality

Experience and Testing

- Tested each function independently for proper inputs/outputs

- Exceptions to limit incorrect data types and handle corner values

- Very fun, but I wish I had known about serialization in C++

That's all!