Chatbot Overview

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Scope

- District 59
- Using C++ as my language

Data

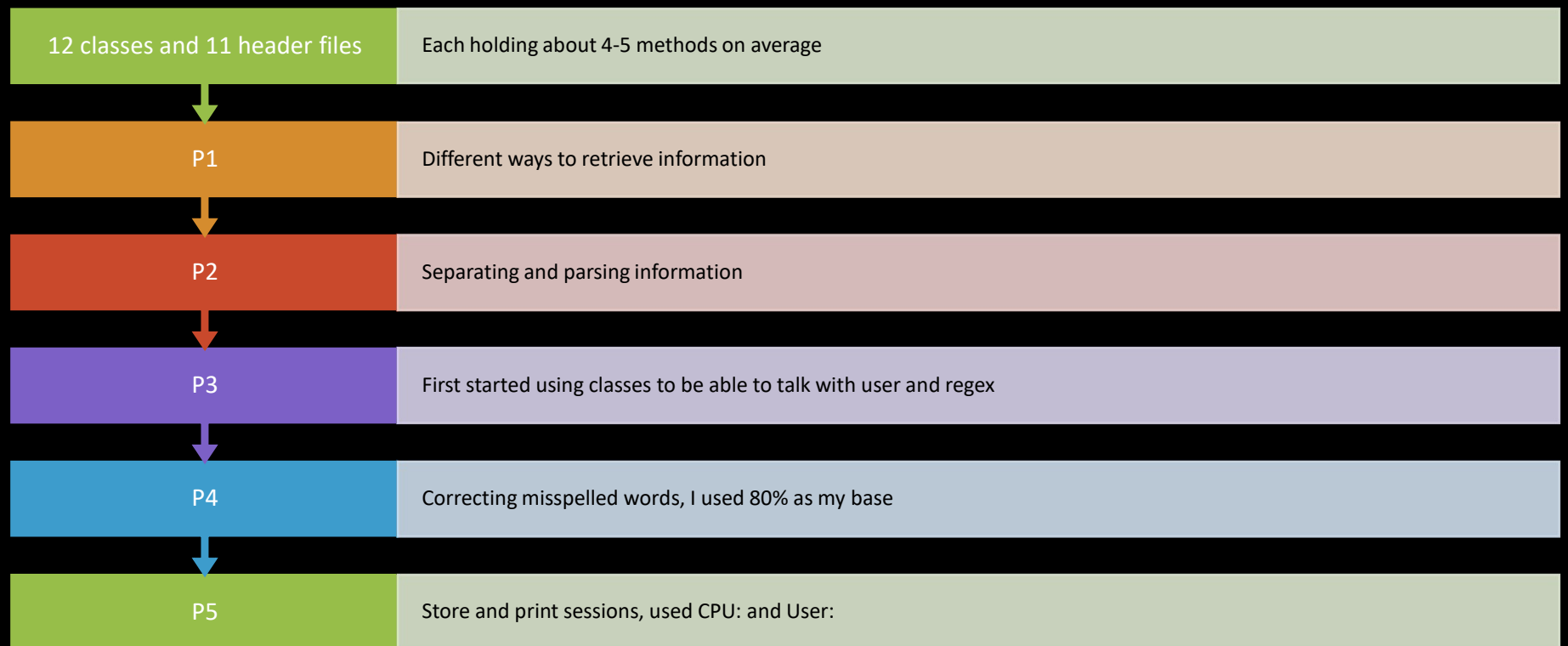|		
Contact information • Name, address, phone, etc.	**Committee Assignments** • Two committees	**Sponsored Bills in the House**
Voting Record	**Service In Public Office** • Service records	**Personal Information** • Family information, schools, fraternities, etc.

Code Organization

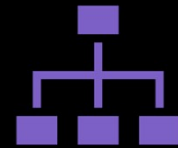|	
12 classes and 11 header files	Each holding about 4-5 methods on average
P1	Different ways to retrieve information
P2	Separating and parsing information
P3	First started using classes to be able to talk with user and regex
P4	Correcting misspelled words, I used 80% as my base
P5	Store and print sessions, used CPU: and User:

Code Reuse by and of

THROUGHOUT P1-P6, AYDEN OWENS AND I USED A FEW POINTERS FROM EACH OTHER TO HELP

I USED HIS REGEX AND CLASS/HEADER STRUCTURE

HE USED MY TOLOWER() AND SUMMARY STRUCTURE

Queries

[#1] "Quit" or "quit" or just "q" => Program exits

[#2] "Tell me about the representative", "Tell me about the rep" => Personal Information (Type-I2)

[#3] "Where does the rep live" => Contact Information (Type-I1): Home Address

[#4] "How do I contact my rep " => Contact Information (Type-I1) [#5] "What committees is my repo on" => Committee Assignments (Type-I3)

[#6] "Tell me everything" => Give all information Extracted

[#7] "What district do you support for Q/A" => Give district number and name

[#8] => "I do not know this information" or "Here is my guess"

Summary Queries

myrep-chatbot –summary => There are 12 chats to date with user asking 23 times and system respond 24 times. Total duration is 456 seconds.

- myrep-chatbot –showchat-summary 2 => Chat 2 has user asking 2 times and system respond 2 times. Total duration is 4 seconds.

- myrep-chatbot –showchat 2 => Chat 2 chat is:

…

- myrep-chatbot –showchat 200 => ERROR: there are only 12 chat sessions. Please choose a valid number.

Video Link

- https://github.com/Adw010/CSCE-240/tree/main/myrep-chatbot/Doc

Examples/Testing

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