

Project 3 – Antonio Turner

CSCE 240

For this project, we were assigned to create a chatbot that would take what we did during the last project, being print out specifics about our district choice, and turn that into a user interface that would allow someone to be able to communicate with the bot. During my last project, I had not used classes or additional methods, so for me this project was a bit more of a test of what I have learned so far than all the other projects.

I first started with creating the main class and this class would be the class that I would use for majority of the communication between the user and the Chatbot. After doing a great amount of research, I found the best plan of action to be to separate the classes that would print the partial types and whole sections from the class that would ask and work with questions from the user. I decided to do this because this would allow the classes to not be as packed and full which in turn would make it easier to read. Additionally I decided to do this because I wanted to test how well I could bounce classes and objects back and forth so the future projects would be easier to work with. I decided the more important classes would be one to solely distinguish with the user input questions and the whole versus part printing.

Through the project, I ran into many errors when building the interface for the Chatbot. One of the more tedious errors was figuring out that getline and cin were not very compatible. During the testing of the code, both functions would work perfectly fine however, during the second run of the loop, also known as the second question I would ask the bot in the Chat interface, the getline would skip itself and that was difficult to understand why it would do that. I eventually realized that I had to manipulate the cin function so it would not end up skipping. Other than this, I had some errors with calling my classes, reading in files multiple times, and trying to anticipate every question I could be asked. I finally decided on just searching the string for key words and pointing the user in the right direction based on what was said.

Extra Credit

During this project, I used Ayden Owen's class structure and regex functions for my Contact class. I found that he was able to produce a much better code and was way more organized one for calling the specific data. Ayden Owens used my toLower method as it helped fixed many of his input issues and my use of if statements for printing entire sections.

Thank you so much professor.