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### Project Assignment #3: Chit Chat Program

The goal of this project assignment was to create a chit chat program that can answer the 12 common questions from the WebMD and the CDC websites about rabies. In this case, my program will chit chat with the user and be able to answer general questions, while also answering disease related questions using the CDC website

“<https://wwwnc.cdc.gov/travel/diseases/rabies>” and the WebMD website

“<https://www.webmd.com/a-to-z-guides/what-is-rabies>”. The program takes uses three classes to parse the extracted data and uses the data to answer the user’s questions. For the general questions, the program will answer the user and keep track of how many times the user asks a question. If the user asks a question 3 times or more, the program will tell the user they have asked the question too much, and then, the program will ask the user to enter a different question.

There are three classes used in this program. The parent class, *DiseaseData*, parses the extracted data for common questions that relate to both CDC and WebMD. In this case, the parent class will parse the extracted data for **everything, I1 (What is rabies), and I12 (Vaccines)**. The child classes are *CDCData* and *WebmdData*. These classes will parse data for the data in the specific extracted data. For example, *CDCData* will parse the extracted data from the CDC website. The classes will parse the data before the user starts asking questions.

In the main program, *prog3-ui*, the main function consists of a while loop. This way the user can continue to ask questions unless they want to exit. To keep track of the number of times a question is asked, each question has an integer assigned to them, which increase when the question it is tied to is asked. When responding to the user, the program will use random responses in the *randomResponse* function. The program can respond to hello, how are you, and bye. If the user says bye, the program will tell the user to enter “0” to exit.

Overall, I struggled a little bit with this program. I tried to incorporate everything I learned, but I think the program is overwhelmed by everything I was trying to incorporate. I do want to clean up my code and be able to make it run smoother. I liked the challenge from this program, but I want to keep messing with it until I can make it run smoothly. The program does

run in a loop, which is awesome. I just need to debug the reading and writing from the extracted data files.

Works Cited

Editorial Contributors, WebMD. "Rabies: 9 Symptoms & What Do If You Are Bitten by a Rabid Animal." *WebMD*, WebMD, 10 June 2022, <https://www.webmd.com/a-to-z-guides/what-is-rabies>.

"Rabies." *Centers for Disease Control and Prevention*, Centers for Disease Control and Prevention, 5 May 2022, <https://wwwnc.cdc.gov/travel/diseases/rabies>.