Code

A screenshot of a computer program

Description automatically generated

Interact\_with\_chat function allows for the system to interact with openai and use ChatCompletion feature to allow the chat bot to remember the context of the previous conversation. In this function we also define the model we will use and the how long the respond should be before cut off (max\_token). The function returns the response from the openai model.

A screen shot of a computer

Description automatically generated

Create\_database function creates a database using sqlite3, with id being incremented for each new entry, role indicating if the message was from the user or the model and content containing the messages.

A computer screen with many lines

Description automatically generated

This where we add instruction for the system to follow. This requires lots of key words and instructions to make sure the result are consistent every time the code is run.

A screen shot of a computer

Description automatically generated

This function stores the conversation in the database with appropriate messages and roles corresponding to it.

A screen shot of a computer program

Description automatically generated

This part of the code runs infinitely, here we take the input from the user and pass it to the model and display and store the messages.