Gollu Jikki Sravanthi

4th year, Dual Degree, Mechanical, IIT Kharagpur

The Chatbot is created using the instructions specified in the assignment along with some additional instructions regarding factual, analytical or advisory queries. Specified instructions are given in each case to get to the required output. The prompt includes various steps to be followed by the system to calculate the income, expenditures and the final state of the user's transactions (whether they are in debt or if there's money left). The Chatbot is instructed to check all the conditions, workout the solution, recalculate, and finally, check if the user's prompt is relevant to the user's transactions and data.

Procedure to run the code:

1) The file is submitted in .ipynb format and can be run in VSCode platform.
2) We must add our own API key in the at openai.api_key for the code to work.
3) After running the Chatbot, we must enter the queries in the space given "Your Query…" and click the "Send button". This will give the query as prompt to the Chatbot to which it will reply accordingly.

Limitations:

It is observed that though the inputs are read properly, the summing of all the expenditures is showing wrong output sometimes. It can be seen in the images provided. The Chatbot was able to correct itself sometimes but it failed in some cases. The suggestions and inferences are provided in a good manner by the Chatbot.