Chat GPT

Summary

The script utilises a Python GUI application that allows users to interact with a chatbot powered by the OpenAI GPT API. The script uses the PyQt6 library for creating the GUI and markdown library for converting the response from the chatbot to HTML.

The script defines a class named AIAssistant that inherits from QWidget. This class defines the layout and functionality of the GUI. The class initializes an instance of the ChatGPT class from a separate module named chatgpt that provides an interface to the OpenAI GPT API. The AIAssistant class also initializes an instance of the ChatGPTThread class that runs the chatbot requests in a separate thread to avoid blocking the GUI.

The AIAssistant class has a method named init\_ui() that creates the GUI layout using PyQt6 widgets. The layout consists of a form layout that contains two sliders, one for setting the maximum number of tokens to use in generating a response and another for setting the temperature of the generated response. The init\_ui() method also adds a QTextBrowser widget for displaying the conversation between the user and the chatbot and a QTextEdit widget for entering the user's prompt.

The AIAssistant class has a method named post\_message() that gets called when the user submits a prompt. This method creates a new instance of the ChatGPTThread class and starts the thread to make an API call to the OpenAI GPT API. The ChatGPTThread class runs the API call in a separate thread and emits a signal when the response is received. The post\_message() method updates the conversation window with the user's prompt and the chatbot's response.

The script also defines a function named current\_timestamp() that returns the current timestamp in the specified format.