**Task: Build a Negotiation Chatbot Using a Pre-trained AI Model**

**Objective**: Create a chatbot that simulates a negotiation process between a customer and a supplier, leveraging pre-trained models like Gemini, ChatGPT, or other AI language models.

**Requirements**:

1. **Basic conversation flow**: The chatbot should initiate a negotiation for a product price, where the user (customer) can either accept, reject, or propose a counteroffer.
2. **Pricing logic**: Implement logic where the bot, guided by AI, has a set price range and can offer discounts or counteroffers based on the user’s input.
3. **User interaction**: Allow the user to input a desired price. The chatbot should respond using the AI model to simulate negotiation, either accepting the offer, rejecting it, or proposing a counteroffer.
4. **Model Integration**: Integrate Gemini, ChatGPT, or any language model of your choice to handle the conversational aspect of the negotiation. You can use APIs or SDKs provided by the model for interaction.
5. **Bonus (optional)**: Implement sentiment analysis to improve negotiation outcomes. For example, if the user is polite, the chatbot might offer better deals.

**Technology**: Use any programming language or framework, but you must incorporate a pre-trained AI model (e.g., Gemini, ChatGPT).

**Submission**:

1. Source code for the api as a github repo
2. Documentation explaining how you integrated the model
3. A short demo showing the negotiation process in action  
     
   Note: No ui is required. Just the api endpoints are enough.