

~\Desktop\Chat Bot\negotiation_bot.py

```

1  import openai
2
3  class NegotiationBot:
4      def __init__(self, model="gpt-3.5-turbo"):
5          openai.api_key = "sk-proj-3he7M08Wam_CCiU1lTtfSGD98EjXurwxcezICH4zbrsSd2i1c0k2QxJPxzCY↵
q2-E28AdyIrSXKT3B1bkFJm9H02XZ_6FXP19EcNjfBSUgy8w1kMWPpQaGpHjgg1PQvRaD4hfBPC-
cq5X2x8cyBUKhLfSXsMA"
6          self.model = model
7          self.price_range = (100, 500)
8
9      def negotiate(self, user_price: float):
10
11         if user_price < self.price_range[0]:
12             response = self.create_counteroffer(self.price_range[0])
13         elif user_price > self.price_range[1]:
14             response = self.create_counteroffer(self.price_range[1])
15         else:
16             response = "Your offer is accepted!"
17
18         return response
19
20     def create_counteroffer(self, suggested_price: float):
21         prompt = f"The user proposed a price of {suggested_price}. What counteroffer should I
make?"
22         response = openai.ChatCompletion.create(
23             model=self.model,
24             messages=[
25                 {"role": "user", "content": prompt}
26             ]
27         )
28         return response['choices'][0]['message']['content']
29

```