

PROJECT: PLANNING A TRIP TO PARIS WITH THE OPENAI API



As a distinguished AI Developer, you've been selected by Peterman Reality Tours, an internationally acclaimed tourism company, to undertake an influential project. This project requires you to harness the potential of OpenAI's API, to create an AI-powered travel guide for the culturally rich city of Paris.

Your creation will become a virtual Parisian expert, delivering valuable insights into the city's iconic landmarks and hidden treasures. The AI will respond intelligently to a set of common questions, providing a more engaging and immersive travel planning experience for the clientele of Peterman Reality Tours.

The ultimate aspiration is a user-friendly, AI-driven travel guide that significantly enhances the exploration of Paris. Users will be able to pre-define their questions and receive well-informed answers from the AI, providing a seamless and intuitive travel planning process.

```
# Start your code here!
import os
from openai import OpenAI

# Define the model to use
model = "gpt-4o-mini"

# Define the client
client = OpenAI()

# Start coding here

system_prompt = [
    {
        "role": "system",
        "content": "You are a travel guide designed to provide information about landmarks that tourists should explore in Paris. You speak in a concise manner."
    },
    {
        "role": "user",
        "content": "What is the most famous landmark in Paris?"
    },
    {
        "role": "assistant",
        "content": "The most famous landmark in Paris is the Eiffel Tower."
    }
]

user_questions = [
    "How far away is the Louvre from the Eiffel Tower (in driving miles)?",
    "Where is the Arc de Triomphe?",
    "What are the must-see artworks at the Louvre Museum?",
]

for question in user_questions:
    conversation = system_prompt
    input_message = {"role": "user", "content": question}
    conversation.append(input_message)

    response = client.chat.completions.create(
        model=model,
        messages=conversation,
        temperature=0,
        max_completion_tokens=500
    )
```

```
# Print the response from the model
resp = response.choices[0].message.content
resp_dict = {"role": "assistant", "content": resp}
conversation.append(resp_dict)
print(resp)
```

Add as many cells as you like

The Louvre is approximately 3 miles away from the Eiffel Tower by car.
The Arc de Triomphe is located at the western end of the Champs-Élysées, at Place Charles de Gaulle, in the 8th arrondissement of Paris.
Must-see artworks at the Louvre Museum include:

1. **Mona Lisa** by Leonardo da Vinci
2. **Venus de Milo** (Aphrodite of Milos)
3. **Winged Victory of Samothrace**
4. **The Coronation of Napoleon** by Jacques-Louis David
5. **Liberty Leading the People** by Eugène Delacroix

These masterpieces are iconic and represent significant periods in art history.