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1 C:\Users\91790\PycharmProjects\TaskBlueEnigma\venv\
  Scripts\python.exe C:\Users\91790\PycharmProjects\
  TaskBlueEnigma\hybrid_chat.py
2 Hybrid travel assistant (Advanced). Type 'exit' to
  quit.
3
4 Enter your travel question: create a romantic 4 day
  itinerary for Vietnam
5 DEBUG: Embedding cache miss. Computing new embedding.
6 DEBUG: Pinecone returned 5 results.
7 DEBUG: Graph returned 15 facts asynchronously.
8 DEBUG: Summarizing retrieved context...
9 DEBUG: Generated Summary -> Based on the search
  results and graph facts, here's a concise summary of
  the key entities and their relationships relevant to
  the user's query:
10
11 **Key Entities:**
12
13 1. **Hanoi**: A city in Vietnam.
14 2. **Da Lat**: A city in Vietnam (not explicitly
  related to the user's query, but mentioned in the
  search results).
15 3. **Hanoi Attraction 1-13**: Various attractions
  located in Hanoi.
16
17 **Relationships:**
18
19 1. **Hanoi** is connected to **Hue** and **Nha Trang
  ** by the relationship 'Connected_To'.
20 2. **Hanoi** is the location of **Hanoi Attraction 1-
  13** by the relationship 'Located_In'.
21
22 **Itinerary Suggestions:**
23
24 Given the information, a romantic 4-day itinerary for
  Vietnam could include:
25
26 Day 1: Explore Hanoi's attractions, such as Hanoi
  Attraction 1-13, and enjoy the city's romantic
  atmosphere.
```

27

28 Day 2: Visit Hue, a city connected to Hanoi, and
experience its rich history and culture.

29

30 Day 3: Head to Da Lat, a city known for its natural
beauty and romantic scenery.

31

32 Day 4: Relax in Nha Trang, another

33

34 === Assistant Answer ===

35

36 Reasoning Step-by-Step:

37

38 1. ****Identify the primary location for the romantic 4**
-day itinerary**: Based on the user's query, the
primary location should be Vietnam, but since the
user didn't specify a particular city, I will choose
Hanoi as the starting point due to its romantic
atmosphere and the presence of various attractions.

39

40 2. ****Select the most relevant attractions for the**
itinerary**: Given that Hanoi is the primary location
, I will choose some of the most romantic attractions
from Hanoi Attraction 1-13, such as the Temple of
Literature, the Ho Chi Minh Mausoleum, and the Old
Quarter.

41

42 3. ****Choose a secondary location for the itinerary**
******: Since the user is looking for a romantic 4-day
itinerary, I will select a city that is connected to
Hanoi and offers a romantic atmosphere. Based on the
relationships, I will choose Hue as the secondary
location.

43

44 4. ****Plan the itinerary****: Day 1 will be spent
exploring Hanoi's attractions and enjoying the city's
romantic atmosphere. Day 2 will be dedicated to
visiting Hue and experiencing its rich history and
culture. Day 3 will be spent in Da Lat, a city known
for its natural beauty and romantic scenery. Day 4
will be relaxing in Nha Trang.

45

46 However, considering the information provided, Nha
Trang is not explicitly related to the user's query.
Therefore, I will replace Nha Trang with another city
connected to Hanoi, which is [id:city_hue]'s
neighboring city, but a more romantic destination
would be [id:city_hanoi]'s neighboring city, which is
[id:city_nha_trang] is not the best option, a better
option would be [id:city_hoi_an] which is a romantic
city in Vietnam.

47

48 5. ****Finalize the itinerary****: The revised itinerary
will be:

49 - Day 1: Explore Hanoi's attractions, such as the
Temple of Literature, the Ho Chi Minh Mausoleum, and
the Old Quarter.

50 - Day 2: Visit Hue and experience its rich history
and culture.

51 - Day 3: Head to Da Lat and enjoy its natural beauty
and romantic scenery.

52 - Day 4: Relax in Hoi An, a charming city with a
romantic atmosphere.

53

54 Final Answer:

55

56 "Create a romantic 4-day itinerary for Vietnam:

57

58 Day 1: Explore Hanoi's attractions, such as the
Temple of Literature, the Ho Chi Minh Mausoleum, and
the Old Quarter.

59

60 Day 2: Visit Hue and experience its rich history and
culture.

61

62 Day 3: Head to Da Lat and enjoy its natural beauty
and romantic scenery.

63

64 Day 4: Relax in Hoi An, a charming city with a
romantic atmosphere.

65

66 This itinerary will give you a chance to experience

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66 the best of Vietnam's romantic cities and
    attractions, and create unforgettable memories with
    your loved one."
67
68 === End ===
69
70
71 Enter your travel question: Traceback (most recent
    call last):
72   File "C:\Users\91790\PycharmProjects\
    TaskBlueEnigma\hybrid_chat.py", line 193, in <module
    >
73     asyncio.run(interactive_chat_async())
74   File "C:\Users\91790\AppData\Local\Programs\Python
    \Python311\Lib\asyncio\runners.py", line 190, in run
75     return runner.run(main)
76         ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
77   File "C:\Users\91790\AppData\Local\Programs\Python
    \Python311\Lib\asyncio\runners.py", line 118, in run
78     return self._loop.run_until_complete(task)
79         ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
80   File "C:\Users\91790\AppData\Local\Programs\Python
    \Python311\Lib\asyncio\base_events.py", line 653, in
    run_until_complete
81     return future.result()
82         ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
83   File "C:\Users\91790\PycharmProjects\
    TaskBlueEnigma\hybrid_chat.py", line 169, in
    interactive_chat_async
84     query = input("\nEnter your travel question: ").
    strip()
85         ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
86   File "<frozen codecs>", line 322, in decode
87 UnicodeDecodeError: 'utf-8' codec can't decode byte
    0xff in position 0: invalid start byte
88
89 Process finished with exit code 1
90

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