

Öncelikle kullanıcı hangi gün seyahat etmek istediğini girer. (ingilizce)

Next monday, next tuesday vb.

```
(venv) PS C:\Users\Burak\Desktop\AI-Agent-Project> python main.py
📅 When are you planning to travel? (e.g., next Saturday): next tuesday
03/04/2025
Updated travel date to: 03/04/2025
```

date\_agent doğal dilde verilen tarih bilgisini tarih formatına dönüştürür. State messages'a kaydeder.

Sonraki adımda kullanıcı hangi şehri ziyaret etmek istediğini girer.

```
🌐 Which city would you like to visit?: london
```

city\_info\_agent bu şehir hakkında SerpAPI ile genel bilgi toplar. Ve bunu state messages'a kaydeder.

```
search_results = search.run(f"{user_input_city} travel guide tourist attractions")
```

Recommendation agent bu bilgileri ve diğer apiden gelen bilgileri kullanarak kullanıcıya bir travelling plan çıkarır.

```
# Seyahat planı oluşturuluyor
recommendation_template = """
You are a travel assistant that helps users create a complete travel plan.

The user has provided the following information:

- Travel Date: {travel_date}
- City: {city_name}, {city_info}
- Weather Forecast (18:00) for the next days: {weather_forecast}
- Hotels in the city: {hotel_info}
- Currency Exchange Rates (TRY to other currencies): {exchange_rates}

Using this information, create a detailed travel plan for the user. Include:
- A general overview of the city, including top attractions and culture.
- Suggestions for places to visit and clothing recommendation based on the given weather forecast.
- Hotel suggestions based on budget and location.
- Currency exchange tips to help with budgeting for the trip.(GBP)"""

recommendation_prompt = ChatPromptTemplate.from_template(recommendation_template)
recommendation_chain = recommendation_prompt | model
```

Generated Travel Plan:

**\*\*Welcome to London, England\*\***

London is a vibrant and eclectic city that offers something for everyone. From world-class museums and landmarks to trendy neighborhoods and markets, there's no shortage of excitement in this great British city.

**\*\*General Overview:\*\***

London is a cosmopolitan city with a rich history, diverse culture, and stunning architecture. The city is divided into nine boroughs, each with its own unique character and attractions. Must-see landmarks include Buckingham Palace, the Tower of London, and Big Ben (now officially known as the Elizabeth Tower). Take a stroll along the South Bank of the Thames for breathtaking views of the river and city skyline.

**\*\*Weather Forecast:\*\***

London's weather can be unpredictable, but based on current forecasts, it's likely to be mild and sunny in spring (April-May) and summer (June-August). For autumn (September-November) and winter (December-February), expect cooler temperatures with some rain showers. Pack accordingly!

**\*\*Places to Visit:\*\***

- \*\*Museums:\*\*** The British Museum, National Gallery, and Natural History Museum are must-visits for art lovers and history enthusiasts.
- \*\*Landmarks:\*\*** Buckingham Palace, the Tower of London, Big Ben (Elizabeth Tower), and Westminster Abbey are iconic symbols of London's heritage.
- \*\*Markets:\*\*** Covent Garden, Camden Market, and Brick Lane Market offer a taste of British culture and shopping.
- \*\*Parks:\*\*** Regent's Park, Hyde Park, and St. James's Park provide peaceful escapes from the city bustle.

**\*\*Clothing Recommendations:\*\***

- Pack layers for unpredictable weather, including lightweight rain gear and warm sweaters for chilly mornings and evenings.
- Comfortable walking shoes or boots are essential for exploring the city on foot.
- Dress code is generally smart casual, but dress up for dinner at upscale restaurants or theater performances.

**\*\*Hotel Suggestions:\*\***

- \*\*Budget-Friendly:\*\*** Premier Inn London King's Cross (£80-£120 per night) - Convenient location near King's Cross Station and reasonable prices.
- \*\*Mid-Range:\*\*** Hotel du Vin & Bistro (£150-£250 per night) - Charming boutique hotel with a cozy atmosphere, perfect for exploring the city on foot.
- \*\*Luxury:\*\*** The Ritz London (£300-£500 per night) - Iconic luxury hotel offering unparalleled service and amenities.

**\*\*Currency Exchange Tips:\*\***

- \*\*Use an ATM:\*\*** Withdraw GBP from an ATM using your debit/credit card to avoid exchange rate fees.
- \*\*Exchange Currency:\*\*** Visit a reputable currency exchange office or use an online platform to get the best rates for exchanging your money.
- \*\*Use Credit Cards:\*\*** Major credit cards are widely accepted in London, making it easy to manage expenses without cash.

**\*\*Budget Breakdown:\*\***

- Accommodation (avg. £100 per night): £800-£1,200 for a 7-night stay
- Food and drink (avg. £30 per day): £210-£420 for 7 days
- Transportation (Oyster Card or metro passes): £50-£100 for 7 days
- Attractions and activities: £100-£200 for 7 days

### **\*\*Tips and Tricks:\*\***

- Buy a Visitor Oyster Card for convenient travel on public transport.
- Take advantage of free attractions like the British Museum's permanent collections and Regent's Park.
- Explore neighborhoods beyond central London for unique experiences and authentic culture.

Get ready for an unforgettable adventure in London!

Not: Llama 3.2 2B küçük ve güçlü olmayan bir model olduğu için prompt içerisine ilettiğim bilgilere tamamen sadık kaldığını söyleyemem. Ancak langgraph yapısını ve custom multi agent workflow oluşturmayı yapmaya çalıştım. Modelin sınırları çerçevesinde bu cevapları elde ettim.