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In this assignment we are building a travel assistant which will help us in setting up itinerary for our trip based on the prompts provided.

There are three different models used in this assignment -

1. GPT-2 as a locally deployed llm
2. Microsoft phi-1_5 llm deployed locally
3. Gemini using API

Firstly I will share the response of GPT-2

GPT-2 Local Responses:

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\Peaceful Prompt:

I'm tired of city chaos. Suggest a 7-day peaceful nature escape in the mountains of Himalayas with minimal crowds.

GPT-2 Response:

I'm tired of city chaos. Suggest a 7-day peaceful nature escape in the mountains of Himalayas with minimal crowds.

I didn't want to be the girl in the park. Like everyone else, I wanted to find a good way to share my adventures. So I decided to write a story in a different language.

To start writing, I used a little Python script to create a "playbook."

```
import playbook from pygame import Playbook
```

\Romantic Prompt:

I want to plan a 5-day romantic getaway in Venice, Italy for me and my partner. Include candlelight dinners and gondola rides.

GPT-2 Response:

I want to plan a 5-day romantic getaway in Venice, Italy for me and my partner. Include candlelight dinners and gondola rides.

We have an amazing place to stay in Venice, Italy, but we do not have a hotel booked from Venice. So we are going with a hotel that is open for you to choose from if you want some extra time to plan your trip to Venice.

We have a lovely place to stay for you to enjoy your time here

\Adventure Prompt:

Plan a 10-day thrill-packed solo adventure in South America, including hiking, rafting, and offbeat places.

GPT-2 Response:

Plan a 10-day thrill-packed solo adventure in South America, including hiking, rafting, and offbeat places. Explore new countries, meet the people, and find the magic. The game is free to play.

\Budget Prompt:

I have a very tight budget. Suggest a 7-day trip to Southeast Asia under \$500, with cheap food, hostels, and cultural experiences.

GPT-2 Response:

I have a very tight budget. Suggest a 7-day trip to Southeast Asia under \$500, with cheap food, hostels, and cultural experiences.

Copenhagen, Denmark

If you're a backpacker, then Croatia is a great choice if you want to stay close to you, but it's not as big of a destination as you might think. The capital city is home to the biggest city in the world right now, and even if you're already on your

\Foodie Prompt:

I'm a vegetarian food lover. Recommend a 6-day food-focused tour across South India — must include street food and hidden local restaurants.

GPT-2 Response:

I'm a vegetarian food lover. Recommend a 6-day food-focused tour across South India — must include street food and hidden local restaurants. For small eateries, we offer a special selection of vegetarian dishes, including katanas, kagra, kamma, and vegetarian pampas.

For a full list and location schedule of restaurants, check out our guide on vegetarian food. And don't forget to bookmark the TripAdvisor feed.

Secondly we will share the response of microsoft phi-1_5

microsoft phi-1_5 Local Responses:

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Peaceful Prompt:

I'm tired of city chaos. Suggest a 7-day peaceful nature escape in the mountains of Himalayas with minimal crowds.

microsoft phi-1_5 Response:

I'm tired of city chaos. Suggest a 7-day peaceful nature escape in the mountains of Himalayas with minimal crowds.

Alex: That sounds great! I've always wanted to visit the Himalayas. The idea of a 7-day peaceful nature escape in the mountains... It seems like the perfect getaway.

David: Absolutely, nature has a way of rejuvenating our souls. By the way, did you know that the Great Barrier Reef is the largest

Romantic Prompt:

I want to plan a 5-day romantic getaway in Venice, Italy for me and my partner. Include candlelight dinners and gondola rides.

microsoft phi-1_5 Response:

I want to plan a 5-day romantic getaway in Venice, Italy for me and my partner. Include candlelight dinners and gondola rides.

Linda: That sounds perfect. What airline should we book with?

John: We're going to book with American Airlines.

Jessica: I can help with that. I have some friends who work at the airline, and I can get us a good deal on tickets.

Linda: That would be great

Adventure Prompt:

Plan a 10-day thrill-packed solo adventure in South America, including hiking, rafting, and offbeat places.

microsoft phi-1_5 Response:

Plan a 10-day thrill-packed solo adventure in South America, including hiking, rafting, and offbeat places. You can choose from two destinations: Machu Picchu in Peru or Patagonia in Argentina.

To make your planning easier, you can use a color-coded map to mark the best routes, the closest accommodations, and the most interesting stops along the way. You can also add photos and notes to each section to make it more personal and informative.

Budget Prompt:

I have a very tight budget. Suggest a 7-day trip to Southeast Asia under \$500, with cheap food, hostels, and cultural experiences.

microsoft phi-1_5 Response:

I have a very tight budget. Suggest a 7-day trip to Southeast Asia under \$500, with cheap food, hostels, and cultural experiences. We will visit countries such as Thailand, Vietnam, Cambodia, and Laos. Can you please advise me on the best travel deals and affordable accommodations in these destinations?"

The travel agent, Sarah, carefully considered the client's request and replied, "I suggest exploring Thailand as it offers a wide range of options within your budget. There are numerous

Foodie Prompt:

I'm a vegetarian food lover. Recommend a 6-day food-focused tour across South India — must include street food and hidden local restaurants.

microsoft phi-1_5 Response:

I'm a vegetarian food lover. Recommend a 6-day food-focused tour across South India — must include street food and hidden local restaurants.

Reply 1:

Subject: Re: 6 Days of Amazing Food Tours in South India

Hi John,

Thanks for reaching out. I've always been fascinated by the culinary diversity in India. The idea of experiencing the local street food and hidden local restaurants sounds exciting. I'll make sure to include those options in my itinerary.

In the end I will share the response from the Gemini API in the form of screenshots -

Gemini Travel Assistant

Plan your personalized trip with AI ✈️

Trip Details

 Your Name

 Trip Origin

 Destination

 Trip Type

 Duration (in days)

1  20

 Budget (USD)

 Number of Travelers

 Diet Preference

 Stay Option

 Generate Itinerary

Dhananjay's Gold Coast Friends Trip: 5-Day Itinerary (Sydney to Gold Coast)

This itinerary aims to provide a fun and affordable 5-day trip to the Gold Coast for three friends, balancing sightseeing, local experiences, and budget-consciousness. The USD budget of 1000—2000 will be approximately AUD 1450 - 2900 (based on current exchange rates, adjust accordingly). Remember to book flights and accommodation in advance for better deals.

Transportation: Flights from Sydney to Gold Coast are readily available and affordable if booked in advance (consider budget airlines like Jetstar or Scoot). Once on the Gold Coast, consider using public transport (buses are relatively inexpensive) or ride-sharing services (like Uber or Ola) to share costs between the three of you. Renting a car may be more expensive unless you plan extensive road trips outside the main areas.

Accommodation: Look for hostels or budget-friendly backpacker accommodation offering bunk rooms in Surfers Paradise or Broadbeach. Booking.com, Hostelworld, and Airbnb are good resources. Aim for around AUD 30—50 per person per night.

Food: A mix of vegetarian and local food will be easy to find. The budget allows for a blend of eating out and some self-catering (e.g., grabbing groceries for breakfast).

Itinerary:

Day 1: Arrival & Surfers Paradise Exploration

- **Morning:** Arrive at Gold Coast Airport (OOL), take the bus or a rideshare to your hostel in Surfers Paradise. Check in, unpack, and leave your luggage.
- **Afternoon:** Explore Surfers Paradise beach, take a walk along the beachfront, and enjoy the vibrant atmosphere. Consider a surf lesson (various price points available).
- **Evening:** Enjoy dinner at a beachfront restaurant – look for happy hour deals or early bird specials. Plenty of options for both vegetarian and seafood dishes are available. Consider trying a local fish and chips shop for a classic Aussie experience.

Day 2: Theme Park Fun (Optional)

- **Morning:** Choose a theme park based on your preference (e.g., Movie World, Sea World, or Wet'n'Wild). Pre-booking tickets online usually offers discounts. This can be a significant chunk of the budget, so consider carefully if it fits your preferences and budget. Alternatively, a more budget-friendly option would be exploring Lamington National Park (see Day 4).
- **Afternoon:** Continue enjoying the theme park.
- **Evening:** Grab a casual dinner near the theme park or back in Surfers Paradise.

Day 3: Broadbeach & Cultural Exploration

- **Morning:** Take the light rail or bus to Broadbeach. Explore The Oracle, a vibrant outdoor shopping and dining precinct with beautiful waterfront views.
- **Afternoon:** Visit the Gold Coast Arts Centre for exhibitions or performances (check their schedule). Alternatively, relax on Broadbeach's quieter beach.
- **Evening:** Explore the diverse dining options in Broadbeach, with many restaurants offering vegetarian choices. Find a nice spot for dinner with ocean views.

Day 4: Nature & Hidden Gems

- **Morning:** Head to Lamington National Park (consider a bus tour or organized day trip to save on transport costs). This is a beautiful rainforest area with hiking trails and stunning waterfalls. Pack your own lunch or grab something small before heading out.
- **Afternoon:** Explore the many trails in Lamington National Park, choosing one that suits your fitness level. Take in the stunning natural beauty.
- **Evening:** Return to Surfers Paradise or Broadbeach for dinner. Consider a more casual and affordable meal after a day of hiking.

Day 5: Departure

- **Morning:** Enjoy a leisurely breakfast. Do some last-minute souvenir shopping.
- **Afternoon:** Check out of your hostel and head to Gold Coast Airport (OOL) for your flight back to Sydney.

Vegetarian/Local Food Recommendations:

- **Burleigh Heads:** Many cafes offer excellent vegetarian options.
- **Govindas Vegetarian Restaurant:** Offers a delicious and affordable vegetarian buffet.
- **Local Fish Markets:** For fresh seafood (if not vegetarian).
- **Many restaurants in Surfers Paradise and Broadbeach:** cater to diverse tastes, including vegetarian and vegan dishes.

Affordable Accommodation & Transportation Tips:

- **Hostels:** Opt for hostels or budget-friendly backpacker accommodation for bunk beds to save significantly.
- **Public transport:** Utilize the Gold Coast light rail and bus system. Purchase a day pass or multi-day pass for cost-effectiveness.
- **Ride-sharing:** Share Uber/Ola rides amongst your group to split costs.
- **Walk:** Surfers Paradise and Broadbeach are relatively walkable.

Budget Breakdown (Approximate):

- Flights (Sydney-Gold Coast-Sydney): AUD 300-600 (per person, depending on booking time)
- Accommodation (4 nights): AUD 120-200 (per person)
- Activities/Theme Park (optional): AUD 100-300 (per person)
- Food & Drinks: AUD 300-500 (per person)
- Transportation (local): AUD 100-150 (per person)
- Souvenirs: AUD 50-100 (per person)

Total: AUD 970 - 1850 (per person) This aligns with your USD budget range, but remember to adjust based on actual prices and your choices.

This is a flexible itinerary; feel free to adjust it based on your preferences and the actual costs you encounter. Remember to check opening hours and book tickets in advance where necessary. Have a fantastic trip, Dhananjay!

 [Download Itinerary](#)

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Advancement in Project -

1. The project consists of just one English language but we can use multiple languages like French, Chinese, Hindi etc.
2. We can create the website like a Chatbot where the first prompt will be welcoming the user and asking the user for his/her name and followed by travel plans and their can be lot of things added in the website as the reference to the websites can be provided and real time status of the flights/trains can be shared, along with this direct booking of the tickets and its price information be shared too. This can help in monetization of the website.