

Lesson 04 Demo 04

Exploring Multimodal Capabilities of ChatGPT

Objective: To demonstrate ChatGPT's multimodal capabilities by analyzing a geographical map and creating a visualization of a futuristic smart city park

Tools required: ChatGPT-4

Prerequisites: None

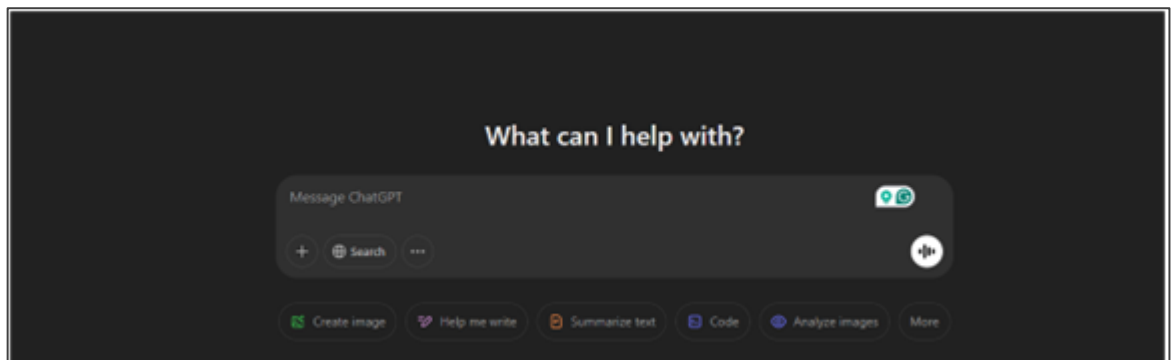
Steps to be followed:

1. Log in to ChatGPT and select GPT4
2. Provide the input to ChatGPT and observe the response

Step 1: Log in to ChatGPT and select GPT4

- 1.1 To proceed with your tasks, visit the official website and either sign up for a new account or log in to your existing ChatGPT account.

<https://chat.openai.com/>



Step 2: Provide the input to ChatGPT and observe the response

2.1 Copy the following prompt and image, and paste them into ChatGPT

Prompt 1:

Analyze the image provided, which is a map featuring various geographical locations, including cities, states, and natural landmarks. Identify the country and suggest notable tourist attractions visible on the map. Describe these places briefly and explain their significance or appeal to visitors, focusing on areas that are typically of interest to travelers, such as major urban centers, historical sites, natural parks, and unique regional features.



What can I help with?

Prompt 1:

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+ Search ...



Create image

Brainstorm

Code

Summarize text

Get advice

More

2.2 Observe the response



ChatGPT

The image you provided is a map of the United States of America, which includes a portion of Canada and Mexico, as well as insets showing Alaska and Hawaii in the bottom left corner.

Notable tourist attractions in the United States are:

1.

New York City (marked as New York on the map) - Known for landmarks such as the Statue of Liberty, Central Park, Broadway theaters, and Times Square. It is a major urban center known for its skyline, museums like the Metropolitan Museum of Art, and cultural diversity.

2.

Grand Canyon (located in Arizona) - A natural wonder that offers breathtaking views, hiking trails, and rafting experiences on the Colorado River. The Grand Canyon National Park is a UNESCO World Heritage Site and is known for its immense size and intricate and colorful landscape.

3.

Yellowstone National Park (spans Wyoming, Montana, and Idaho) - The first national park in the U.S. and the world, known for its wildlife and geothermal features, particularly the Old Faithful geyser.

4.

Washington D.C. - The capital of the United States, home to the federal government's three branches, and several national monuments and museums, particularly those on the National Mall which include the Lincoln Memorial and the Smithsonian Institution.

5.

Las Vegas (located in Nevada) - Famous for its vibrant nightlife centered around 24-hour casinos and other entertainment options. It's also a gateway to the Hoover Dam and Red Rock Canyon.

6.

Orlando (located in Florida) - Known for Walt Disney World, Universal Studios, and other major theme parks and attractions.

7.

Los Angeles (located in California) - Home to Hollywood, the entertainment capital of the world, and renowned for its Mediterranean climate, sprawling metropolis, and beaches like Venice Beach.

8.

San Francisco (located in California) - Known for the Golden Gate Bridge, Alcatraz Island, and its historic cable cars.

9.

New Orleans (located in Louisiana) - Famous for its vibrant music scene, distinctive cuisine, and celebrations and festivals, most notably Mardi Gras.

10.

Chicago (located in Illinois) - Known for its impressive architecture, museums like the Art Institute of Chicago, and its deep-dish pizza.

These are just a few of the countless attractions the United States has to offer, each with its unique appeal and significance that draws visitors from around the globe.

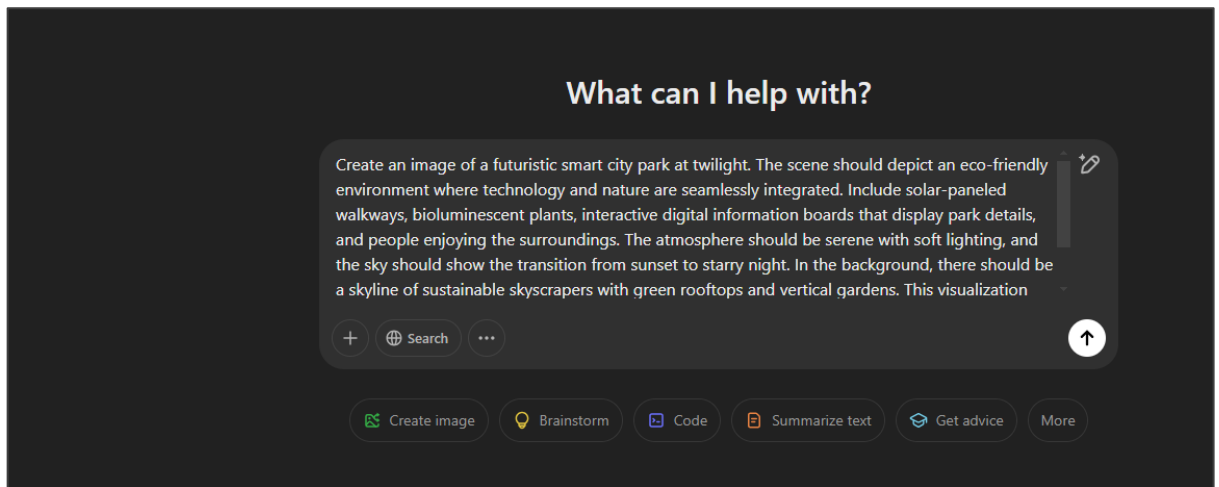
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2.3 Copy the following prompt and paste it into ChatGPT

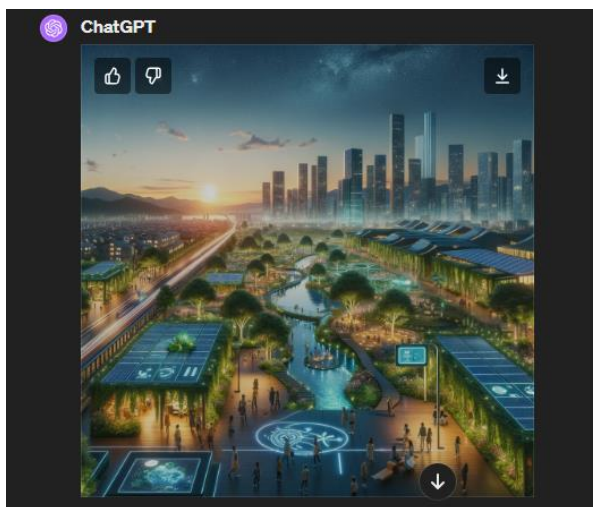
Prompt 2:

Create an image of a futuristic smart city park at twilight. The scene should depict an eco-friendly environment where technology and nature are seamlessly integrated. Include solar-paneled walkways, bioluminescent plants, interactive digital information boards that display park details, and people enjoying the surroundings. The atmosphere should be serene with soft lighting, and the sky should show the transition from sunset to starry night. In the background, there should be a skyline of sustainable skyscrapers with green rooftops and vertical gardens. This visualization should embody the harmonious blend of urban development with environmental

conservation, highlighting the potential of generative AI in urban planning and design.



2.4 Observe the response



With this, you have successfully demonstrated ChatGPT's multimodal capabilities by analyzing a geographical map and generating a visualization of a futuristic smart city park.