import asyncio

from aiogram import Bot, Dispatcher, F

from aiogram.filters import CommandStart, Command

from aiogram.types import Message

import random

import requests

from datetime import datetime, timedelta

from config import TOKEN, NASA\_API\_KEY

bot = Bot(token=TOKEN)

dp = Dispatcher()

def get\_random\_apod():

end\_date = datetime.now()

start\_date = end\_date - timedelta(days=365)

random\_date = start\_date + (end\_date - start\_date) \* random.random()

date\_str = random\_date.strftime("%Y-%m-%d")

url = f'https://api.nasa.gov/planetary/apod?api\_key={NASA\_API\_KEY}&date={date\_str}'

response = requests.get(url)

return response.json()

@dp.message(Command("random\_apod"))

async def random\_apod(message: Message):

apod = get\_random\_apod()

photo\_url = apod['url']

title = apod['title']

await message.answer\_photo(photo=photo\_url, caption=f"{title}")

async def main():

await dp.start\_polling(bot)

if \_\_name\_\_ == '\_\_main\_\_':

asyncio.run(main())