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import streamlit as st
from google.cloud import vision
from gemini_sdk import Gemini # (Assumed Gemini SDK; replace with real code)
import datetime

st.title("Mental Health Support AI Agent 🤖💚")

st.write("Share how you feel (type or upload selfie for emotion detection):")

user_input = st.text_input("How are you feeling today?")
uploaded_image = st.file_uploader("Or upload a selfie (optional)", type=["jpg", "png"])

# Mood analysis function
def detect_mood(text):
    if any(word in text.lower() for word in ["sad", "tired", "stressed", "down", "bad"]):
        return "stressed", "Seems you are a bit down. Try this: Take 3 deep breaths, and
remember, it's okay to feel this way!"
    elif any(word in text.lower() for word in ["happy", "great", "excited", "good", "awesome"]):
        return "happy", "Awesome! Keep up your positivity! 😊"
    else:
        return "neutral", "Thanks for sharing. If you need support or tips, just ask!"

mood, suggestion = ("", "")
if user_input:
    mood, suggestion = detect_mood(user_input)

# Optional: Google Vision sentiment on uploaded image
if uploaded_image:
    client = vision.ImageAnnotatorClient()
    image = vision.Image(content=uploaded_image.read())
    response = client.face_detection(image=image)
    faces = response.face_annotations
    if faces:
        likelihood = faces[0].joy_likelihood
        st.write(f"AI thinks your mood is: {likelihood}")
        if likelihood < 3: # not happy
            suggestion = "Your photo suggests you may be a bit down; would you like a quick stress
relief exercise?"

# Display suggestion + daily graph
if user_input or uploaded_image:
    st.write(f"**Detected mood:** {mood}")
    st.write(f"**Tip:** {suggestion}")

# Save mood in session for daily tracking
if 'mood_history' not in st.session_state:
    st.session_state['mood_history'] = []
if user_input or uploaded_image:
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    st.session_state['mood_history'].append((datetime.date.today(), mood))

if st.session_state['mood_history']:
    st.line_chart([1 if m[1]=="happy" else 0.5 if m[1]=="neutral" else 0 for m in
st.session_state['mood_history']])

st.write("_Data is never stored – privacy first!_")
```