import streamlit as st  
import psycopg2  
import pandas as pd  
from datetime import datetime  
  
# ---------- Database Connection ----------  
def get\_connection():  
 return psycopg2.connect(  
 dbname="gold\_metal\_tracker",  
 user="postgres",  
 password="Roshni@23",  
 host="localhost",  
 port="5432"  
 )  
  
# ---------- Mood Functions ----------  
def insert\_mood(mood, reason):  
 conn = get\_connection()  
 cur = conn.cursor()  
 cur.execute("""  
 INSERT INTO mood\_log (mood, reason)  
 VALUES (%s, %s)  
 """, (mood, reason))  
 conn.commit()  
 cur.close()  
 conn.close()  
  
def get\_mood\_history():  
 conn = get\_connection()  
 df = pd.read\_sql("SELECT \* FROM mood\_log ORDER BY timestamp DESC", conn)  
 conn.close()  
 return df  
  
# ---------- Metal Price Functions ----------  
def insert\_metal\_price(metal\_name, price):  
 conn = get\_connection()  
 cur = conn.cursor()  
 cur.execute("""  
 INSERT INTO metal\_prices (metal\_name, price\_per\_gram)  
 VALUES (%s, %s)  
 """, (metal\_name, price))  
 conn.commit()  
 cur.close()  
 conn.close()  
  
def get\_metal\_prices():  
 conn = get\_connection()  
 df = pd.read\_sql("SELECT \* FROM metal\_prices ORDER BY date\_recorded DESC", conn)  
 conn.close()  
 return df  
  
# ---------- Streamlit UI ----------  
st.set\_page\_config(page\_title="Mood & Metal Tracker", layout="centered")  
st.title("💎 Mood & Gold/Silver/Diamond Tracker")  
  
tab1, tab2 = st.tabs(["😊 Mood Tracker", "📈 Metal Price Tracker"])  
  
# ------------- Tab 1: Mood Tracker -------------  
with tab1:  
 st.subheader("How are you feeling today?")  
 mood = st.selectbox("Select Mood", ["Happy", "Sad", "Excited", "Angry", "Anxious", "Calm"])  
 reason = st.text\_area("Why do you feel this way?", placeholder="Type your thoughts...")  
  
 if st.button("Submit Mood"):  
 insert\_mood(mood, reason)  
 st.success("Your mood has been logged! 💖")  
  
 st.markdown("---")  
 st.subheader("Mood History")  
 mood\_df = get\_mood\_history()  
 st.dataframe(mood\_df)  
  
# ------------- Tab 2: Metal Tracker -------------  
with tab2:  
 st.subheader("Enter Daily Metal Prices (₹/gram)")  
  
 metal = st.selectbox("Choose Metal", ["Gold", "Silver", "Diamond"])  
 price = st.number\_input("Enter price", min\_value=0.0, format="%.2f")  
  
 if st.button("Submit Price"):  
 insert\_metal\_price(metal, price)  
 st.success(f"{metal} price added successfully!")  
  
 st.markdown("---")  
 st.subheader("Price History")  
 metal\_df = get\_metal\_prices()  
 st.dataframe(metal\_df)