import streamlit as st  
import requests  
import urllib.parse  
  
# Replace with your actual Facebook App ID and Secret  
FACEBOOK\_APP\_ID = 'your\_facebook\_app\_id'  
FACEBOOK\_APP\_SECRET = 'your\_facebook\_app\_secret'  
REDIRECT\_URI = 'http://localhost:8501/'  
  
# Generate Facebook login URL  
auth\_url = (  
 "https://www.facebook.com/v18.0/dialog/oauth?"  
 f"client\_id={FACEBOOK\_APP\_ID}&redirect\_uri={urllib.parse.quote(REDIRECT\_URI)}&scope=email"  
)  
  
def get\_access\_token(code):  
 token\_url = (  
 f"https://graph.facebook.com/v18.0/oauth/access\_token?"  
 f"client\_id={FACEBOOK\_APP\_ID}&redirect\_uri={urllib.parse.quote(REDIRECT\_URI)}"  
 f"&client\_secret={FACEBOOK\_APP\_SECRET}&code={code}"  
 )  
 response = requests.get(token\_url)  
 return response.json().get("access\_token")  
  
def get\_user\_info(access\_token):  
 user\_info\_url = f"https://graph.facebook.com/me?fields=id,name,email&access\_token={access\_token}"  
 response = requests.get(user\_info\_url)  
 return response.json()  
  
st.title("🔐 Facebook Login with Streamlit")  
  
query\_params = st.experimental\_get\_query\_params()  
code = query\_params.get("code", [None])[0]  
  
if code:  
 access\_token = get\_access\_token(code)  
 if access\_token:  
 user\_info = get\_user\_info(access\_token)  
 st.success("✅ Logged in successfully!")  
 st.write("User Info:", user\_info)  
 else:  
 st.error("❌ Failed to get access token.")  
else:  
 st.markdown(f"[Login with Facebook]({auth\_url})")