import streamlit as st

import requests

# Función para realizar la solicitud POST a la API

def realizar\_solicitud\_post(url, data):

    try:

        response = requests.post(url, json=data)

        # Considera añadir headers si necesitas pasar un token de autorización

        # Ejemplo: response = requests.post(url, json=data, headers={"Authorization": "Bearer tu\_token\_aqui"})

        if response.status\_code == 200:

            return True, response.json()

        else:

            return False, response.text

    except Exception as e:

        return False, str(e)

st.title("Consulta de API para Modelo de Adultos")

# Formulario para introducir los datos requeridos por la API

with st.form("api\_form"):

    age = st.number\_input("Edad", min\_value=1, value=21)

    workclass = st.selectbox("Clase de trabajo", ["Private", "Self-emp-not-inc", "Self-emp-inc", "Federal-gov", "Local-gov", "State-gov", "Without-pay", "Never-worked"])

    fnlwgt = st.number\_input("fnlwgt", value=346478)

    education = st.selectbox("Educación", ["Bachelors", "Some-college", "11th", "HS-grad", "Prof-school", "Assoc-acdm", "Assoc-voc", "9th", "7th-8th", "12th", "Masters", "1st-4th", "10th", "Doctorate", "5th-6th", "Preschool"])

    education\_num = st.number\_input("Número de educación", min\_value=1, max\_value=16, value=10)

    marital\_status = st.selectbox("Estado civil", ["Married-civ-spouse", "Divorced", "Never-married", "Separated", "Widowed", "Married-spouse-absent", "Married-AF-spouse"])

    occupation = st.selectbox("Ocupación", ["Tech-support", "Craft-repair", "Other-service", "Sales", "Exec-managerial", "Prof-specialty", "Handlers-cleaners", "Machine-op-inspct", "Adm-clerical", "Farming-fishing", "Transport-moving", "Priv-house-serv", "Protective-serv", "Armed-Forces"])

    relationship = st.selectbox("Relación", ["Wife", "Own-child", "Husband", "Not-in-family", "Other-relative", "Unmarried"])

    race = st.selectbox("Raza", ["White", "Asian-Pac-Islander", "Amer-Indian-Eskimo", "Other", "Black"])

    sex = st.selectbox("Sexo", ["Male", "Female"])

    capital\_gain = st.number\_input("Ganancia de capital", value=4000)

    capital\_loss = st.number\_input("Pérdida de capital", value=0)

    hours\_per\_week = st.number\_input("Horas por semana", min\_value=1, max\_value=168, value=45)

    native\_country = st.text\_input("País de origen", value="United-States")

    submitted = st.form\_submit\_button("Enviar")

    if submitted:

        datos\_json = {

            'age': age,

            'workclass': workclass,

            'fnlwgt': fnlwgt,

            'education': education,

            'education-num': education\_num,

            'marital-status': marital\_status,

            'occupation': occupation,

            'relationship': relationship,

            'race': race,

            'sex': sex,

            'capital-gain': capital\_gain,

            'capital-loss': capital\_loss,

            'hours-per-week': hours\_per\_week,

            'native-country': native\_country

        }

        url = 'http://127.0.0.1:8000/adults\_model/'

        exito, respuesta = realizar\_solicitud\_post(url, datos\_json)

        if exito:

            st.success(f'Solicitud exitosa. Respuesta: {respuesta}')

        else:

            st.error(f'Error en la solicitud: {respuesta}')