import streamlit as st

import pandas as pd

import plotly.express as px

import snowflake.connector

from PIL import Image

# Snowflake connection (replace with actual credentials)

conn = snowflake.connector.connect(

user='your\_username',

password='your\_password',

account='your\_account',

warehouse='your\_warehouse',

database='CULTURE\_TOURISM',

schema='PUBLIC'

)

# Function to load data from Snowflake

def load\_data(query):

cur = conn.cursor()

cur.execute(query)

df = cur.fetch\_pandas\_all()

cur.close()

return df

# Streamlit app

st.title("Explore India's Art, Culture, and Responsible Tourism")

# Sidebar for navigation

section = st.sidebar.selectbox("Choose Section", ["Home", "Cultural Heritage", "Tourism Insights", "Responsible Tourism"])

if section == "Home":

st.header("Welcome to India's Cultural Journey")

st.write("Discover traditional art forms, cultural experiences, and eco-tourism destinations.")

st.image("https://example.com/taj\_mahal.jpg", caption="Taj Mahal, a UNESCO World Heritage Site")

elif section == "Cultural Heritage":

st.header("Cultural Heritage Explorer")

# Load heritage sites data

heritage\_query = "SELECT \* FROM HERITAGE\_SITES"

heritage\_df = load\_data(heritage\_query)

# Display map

fig = px.scatter\_geo(heritage\_df, lat="LATITUDE", lon="LONGITUDE", hover\_name="SITE\_NAME",

title="Cultural Heritage Sites in India")

st.plotly\_chart(fig)

# Display sample art form image

st.subheader("Traditional Art Forms")

st.image("https://example.com/madhubani\_painting.jpg", caption="Madhubani Painting")

elif section == "Tourism Insights":

st.header("Tourism Insights Dashboard")

# Load tourism data

tourism\_query = "SELECT \* FROM TOURISM\_STATISTICS"

tourism\_df = load\_data(tourism\_query)

# Bar chart for tourist visits by state

state\_visits = tourism\_df.groupby("STATE")["TOTAL\_VISITS"].sum().reset\_index()

fig = px.bar(state\_visits, x="STATE", y="TOTAL\_VISITS", title="Tourist Visits by State")

st.plotly\_chart(fig)

# Line chart for seasonal trends

monthly\_visits = tourism\_df.groupby("MONTH")["TOTAL\_VISITS"].sum().reset\_index()

fig = px.line(monthly\_visits, x="MONTH", y="TOTAL\_VISITS", title="Monthly Tourism Trends")

st.plotly\_chart(fig)

elif section == "Responsible Tourism":

st.header("Responsible Tourism Guide")

# Load protected areas data

protected\_query = "SELECT \* FROM PROTECTED\_AREAS"

protected\_df = load\_data(protected\_query)

# Display map

fig = px.scatter\_geo(protected\_df, lat="LATITUDE", lon="LONGITUDE", hover\_name="AREA\_NAME",

title="Eco-Tourism Destinations in India")

st.plotly\_chart(fig)

# Eco-tourism tips

st.subheader("Tips for Responsible Travel")

st.write("- Support local communities by using local guides.")

st.write("- Avoid single-use plastics in protected areas.")

st.write("- Respect wildlife and maintain a safe distance.")

# Close Snowflake connection

conn.close()