

Model Deployment Phase:

Date	16 February 2026
Team ID	LTVIP2026TMIDS26163
Project Name	Explore with AI: Custom Itineraries for Your Next Journey
Maximum Marks	3 Marks

Create fields for user to input data for generating blog:

- destination = st.text_input("Enter your desired destination:")
Creates a text input field labeled "Enter your desired destination:" where users can type in their travel destination. The default value is an empty string.
- days = st.number_input("Enter the number of days:", min_value=1)
Provides a number input field labeled "Enter the number of days:" for users to specify the duration of their trip in days. The minimum value is 1.
- nights = st.number_input("Enter the number of nights:", min_value=0)
Provides a number input field labeled "Enter the number of nights:" for users to specify the number of nights for their stay. The minimum value is 0.
- if st.button("Generate Itinerary"):
Adds a button labeled "Generate Itinerary." When clicked, the app processes the input and generates a travel itinerary based on the provided destination, days, and nights.

- if destination.strip() and days > 0 and nights >= 0:
Checks if the destination field is not empty, and that days are greater than 0 and nights are non-negative. This ensures that all inputs are provided and valid.
- itinerary = generate_itinerary(destination, days, nights)
Calls the generate_itinerary function with the destination, days, and nights provided by the user. This function generates the itinerary and stores it in the itinerary variable.
- st.text_area("Generated Itinerary:", value=itinerary, height=300)
Displays the generated itinerary in a text area on the web page, allowing users to view the detailed itinerary.
- else:
Executes if any input field is empty or invalid.
- st.error("Please make sure all inputs are provided and valid.")
Shows an error message asking the user to ensure that all inputs are provided and valid if any field is empty or invalid

```

# Get user inputs
destination = st.text_input("Enter your desired destination:")
days = st.number_input("Enter the number of days:", min_value=1)
nights = st.number_input("Enter the number of nights:", min_value=0)
# Ensure that user inputs are provided
if st.button("Generate Itinerary"):
    if destination.strip() and days > 0 and nights >= 0:
        try:
            itinerary = generate_itinerary(destination, days, nights)
            st.text_area("Generated Itinerary:", value=itinerary, height=300)
        except Exception as e:
            st.error(f"An error occurred: {e}")
    else:
        st.error("Please make sure all inputs are provided and valid.")

if __name__ == "__main__":
    main()

```

Finally, the main() function is called to execute the Streamlit app