

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