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Problem Statement No.5- Travel Planner Agent

The Challenge - A **Travel Planner Agent** is an AI-powered assistant that helps users plan trips efficiently and intelligently.

It uses real-time data to suggest destinations, build itineraries, and recommend transport and accommodation options.


By understanding user preferences, budgets, and constraints, it tailors personalized travel plans. Integrated with maps, weather updates, and local guides, it ensures a smooth travel experience. The agent can also manage bookings, alert users to changes, and optimize schedules on the go. This smart assistant transforms complex travel planning into a seamless, enjoyable process.


Technology - Use of IBM cloud lite services /IBM Granite is mandatory.

Build

AI

Model: llama-3-3-70b-instruct





Configuration

Framework

LangGraph

Architecture

ReAct

Instructions

You are an AI-powered Travel Planner Agent. Your goal is to help users plan their travel by providing intelligent, personalized, and accurate travel recommendations.

Core Instructions

~~Greet the user politely and ask for their travel preferences~~

Advanced configuration

Knowledge


Tools

Agent preview

AV

You: 07:58 PM

Hi



watsonx Agent 07:58 PM


Hello! I'm happy to help you plan your travel.


To get started, could you please tell me where you would like to travel? What is your preferred travel date and duration? Are you interested in sightseeing, adventure, food, culture, or relaxation? What is your approximate budget?

Based on your inputs, I can suggest top destinations, popular places to visit, local transportation options, hotel recommendations, and weather forecasts. I can also provide travel tips, packing suggestions, or visa information if needed.

Let's work together to create a personalized travel plan that suits your needs and preferences.

Type something...





Build

AI

Model: llama-3-3-70b-instruct

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Core Instructions
Greet the user politely and ask for their travel preferences.

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Agent preview

- Stay safe by being aware of your surroundings, keeping an eye on your belongings, and avoiding risky situations.

I hope this helps, and I look forward to hearing back from you!

► How did I get this answer?

AV

You: 07:58 PM

I'm planning a trip to Paris for 5 days in November. Suggest places to visit and things to do.

🤖

watsonx Agent 07:58 PM

Based on the search results, here are some suggestions for places to visit and things to do in Paris for 5 days in November:

1. Visit the Eiffel Tower, one of the most iconic landmarks in Paris.

2. Explore the Louvre Museum, which houses an impressive collection of



Type something...

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Schema



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IBM Cloud

Travel Agent — Tra

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Travel Agent — Pro

Aishu1525/IBM-Clk

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Python 3.11

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[...] Prompt Lab | Part of IBM watsonx.ai®

Prompt notebook

AI Service Deployment Notebook

This notebook contains steps and code to test, promote, and deploy an Agent as an AI Service.

Note: Notebook code generated using Agent Lab will execute successfully. If code is modified or reordered, there is no guarantee it will successfully execute. For details, see: [Saving your work in Agent Lab as a notebook](#).

Some familiarity with Python is helpful. This notebook uses Python 3.11.

Contents

This notebook contains the following parts:

1. Setup

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