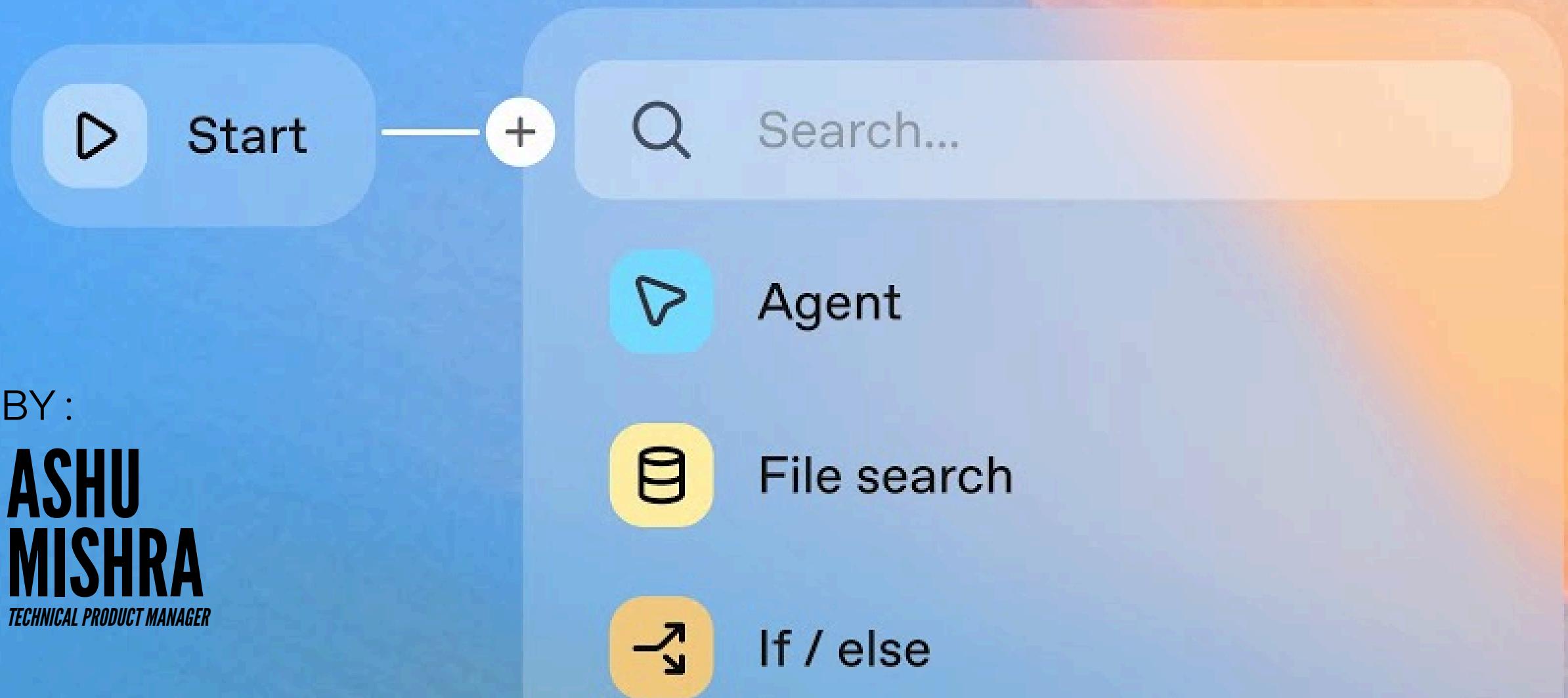


Intro to Agent Builder



BY:

**ASHU
MISHRA**
TECHNICAL PRODUCT MANAGER



1–6

Section 1: Intro to Agent Builder

1. Introduction to OpenAI Workflow Canvas
2. Get 250M tokens/day free (how-to)
3. Check workflow logs and traces
4. Automate agent response evaluation
5. Explore agent + agent's chat history
6. Explore agent models + reasoning effort



7–11

Section 2: Weather Agent (ChatKit)

7. Allow internet access to the weather agent
8. Design a classifier agent
9. If-Else logic node in workflow
10. Prompt: return a weather forecast
11. Work with the Set State node



12–19

Section 3: Nodes & Tools Deep Dive

12. Introduction to OpenAI ChatKit
13. Output in ChatKit template format
14. Built-in Classifier node (deep dive)
15. Set State + Transform node (starter)
16. Explore Set State and Transform node
17. While node + Set State + Transform
18. Guardrails: detect & block unsafe requests
19. User Approval: gate access to specific agent



Section 1: Introduction to OpenAI Agent Builder

- 1. Introduction to OpenAI Workflow Canvas
- 2. How to Get 250 millions Tokens per Day Free Using
- 3. How to Check Workflow Logs and Traces
- 4. How to Automate Agent Response Evaluation
- 5. Exploring AI Agent and Agent's Chat History
- 6. Exploring Agent Models and Reasoning Efforts

Section 2: Weather Agent with OpenAI ChatKit Output Template

- 7. Allow Internet Access to Your Weather Agent
- 8. Design Classifier Agent
- 9. Working with If-Else Logic Node in Agent Workflow
- 10. Set Agent Prompt to Give Weather Forecast
- 11. Working with Agent Set State Node

Section 3: Deep Dive into OpenAI Agent Builder Workflow Nodes & Tools

- 12. Introduction to OpenAI ChatKit
- 13. Get Weather Agent Output in Chatkit Template Format
- 14. Deep Dive Built-in Classifier Node
- 15. Getting Started with Set State Node and Transform Node
- 16. Exploring Set State and Transform Node
- 17. Working with While Node along with Set State and Transform Node
- 18. Exploring Guardrails Node - Detect and Block Unsafe Requests
- 19. Allow Access to Specific Agent Based on the User Approval Node

Section 1: Introduction to OpenAI Agent Builder

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Settings

Your profile

Organization

General

API keys

Admin keys

People

Projects

Billing

Limits

Usage

Service health

Data controls

Security

Project

General

API keys

Webhooks

Evaluations

People

Limits

Cookbook

Forum

Organization settings

Ashu

Save

Organization ID

Identifier for this organization sometimes used in API requests

org-V21NbMkMBohKBLXkqx0SC3C

Verifications

Verify as an individual or business to access protected models and submit ChatGPT apps

Individual

You are verifying as a solo developer.

Verified

Start

Business

You are verifying a registered company.

Integrations

Weights and Biases

Your organization's Weights and Biases API Key. If set, enables the Weights and Biases integration for the [fine-tuning API](#). This key will be used to generate runs in your specified W&B project. See the [documentation](#) for more information.

Update

Features and capabilities

Access Control

Disable user-based API keys across your entire organization. You can also choose to disable them on a project-by-project basis if needed.

 Disable user API keys

Custom model providers

Allow eval runs to use third-party models you configure under Custom model providers.

Settings

Your profile

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Usage

Service health

Data controls

Security

Project

General

API keys

Webhooks

Evaluations

People

Limits

Cookbook

Forum

Data controls

Visibility

Hosted tools

Sharing

Data retention

2. How to Get 250 millions Tokens per Day Free Using

Enable sharing of model feedback from the Platform

Enable all members of your organization to share feedback and chats with OpenAI to help improve and train our models. If enabled, users can click the “thumbs down” button on model responses in the Playground and choose to share their feedback and content from the current chat. [Learn more](#).

- Disabled
- Enabled for all projects
- Enabled for selected projects

Share evaluation and fine-tuning data with OpenAI

Turn on sharing with OpenAI for all evaluation and fine-tuning data from your organization, including evaluation and fine tuning prompts, completions, grading logic, and results, to improve and train our models. Only evaluation and fine-tuning data created after turning this setting on will be shared. You can change your settings at any time to disable sharing evaluation and fine-tuning data. [Learn more](#).

◆ You're enrolled for complimentary weekly evals.



- Disabled
- Enabled for all projects
- Enabled for selected projects

Share inputs and outputs with OpenAI

Turn on sharing with OpenAI for inputs and outputs from your organization to help including for improving and training our models. Only traffic sent after turning this settings at any time to disable sharing inputs and outputs.

◆ You're enrolled for complimentary daily tokens.



- Disabled
- Enabled for all projects
- Enabled for selected projects

You're eligible for free daily usage on traffic shared with OpenAI.

- Up to 250 thousand tokens per day across gpt-5.1, gpt-5.1-codex, gpt-5, gpt-5-codex, gpt-5-chat-latest, gpt-4.1, gpt-4o, o1 and o3
- Up to 2.5 million tokens per day across gpt-5.1-codex-mini, gpt-5-mini, gpt-5-nano, gpt-4.1-mini, gpt-4.1-nano, gpt-4o-mini, o1-mini, o3-mini, o4-mini, and codex-mini-latest.

Usage beyond these limits, as well as usage for other models, will be billed at standard rates. Some limitations apply. [Learn more](#).

Save

Core

Agent

Classify

End

Note

Tools

File search

Guardrails

MCP

Logic

If / else

While

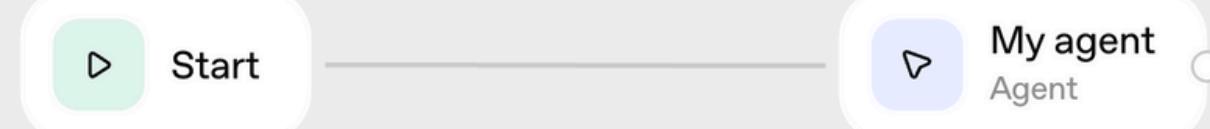
User approval

Data

Transform

Set state

- How to Automate Agent Response Evaluation
- Exploring AI Agent and Agent's Chat History



Exploring Agent Models and Reasoning Efforts

Core

- Agent
- Classify
- End
- Note

Tools

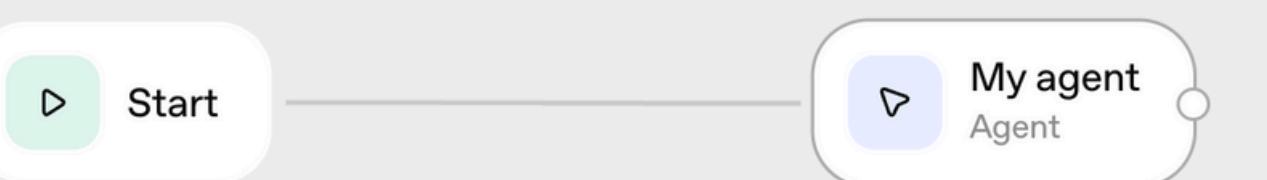
- File search
- Guardrails
- MCP

Logic

- If / else
- While

Data

- User approval
- Transform
- Set state



My agent

Call the model with your instructions and tools

Name

Instructions

You are a helpful assistant.

Include chat history

Model

Reasoning effort

Tools

Output format

More

Section 2: Weather Agent with OpenAI ChatKit Output Template

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11. Working with Agent Set State Node



Core

- Agent
- Classify
- End
- Note

Tools

- File search
- Guardrails
- MCP

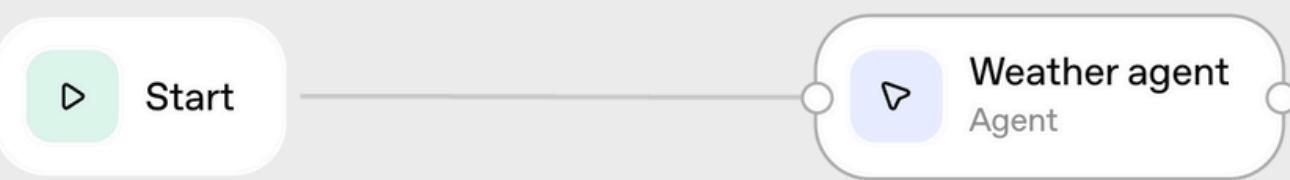
Logic

- If / else
- While
- User approval

Data

- Transform
- Set state

Allow Internet Access to Your Weather Agent



Weather agent

Call the model with your instructions and tools

Name Weather agent

Instructions

Act as a weather agent who attempts to fetch real-time weather information when prompted. If you are unable to provide the live weather for the requested location, respond by saying: "I do not

Include chat history

Model gpt-5.2

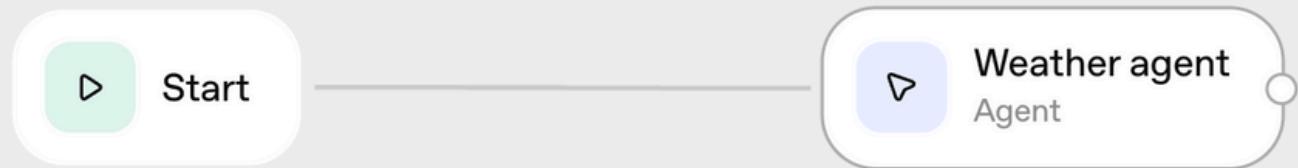
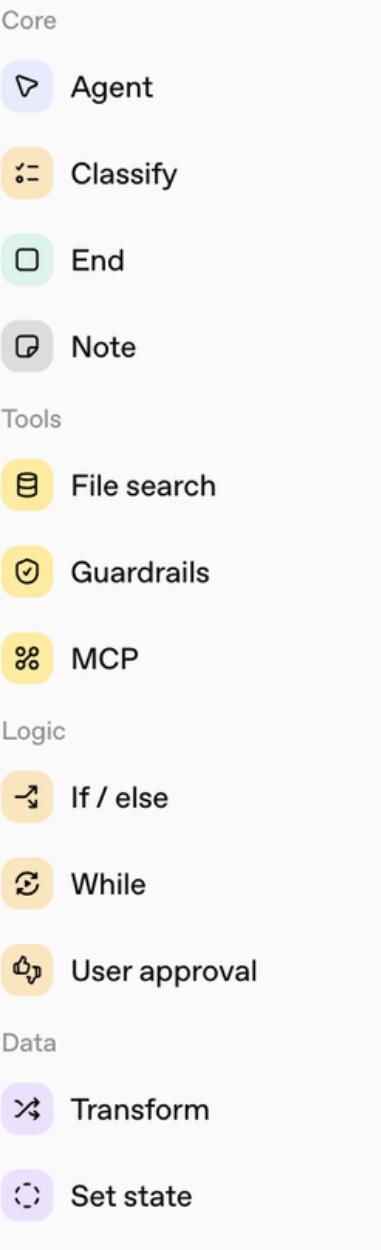
Reasoning effort low

Tools

Output format Text

More

Allow Internet Access to Your Weather Agent



Weather agent ✖

Call the model with your instructions and tools

Name **Weather agent**

Instructions + ⚡

Act as a weather agent who attempts to fetch real-time weather information when prompted. If you are unable to provide the live weather for the requested location, respond by saying: "I do not

Include chat history

Model **gpt-5.2** ⋮

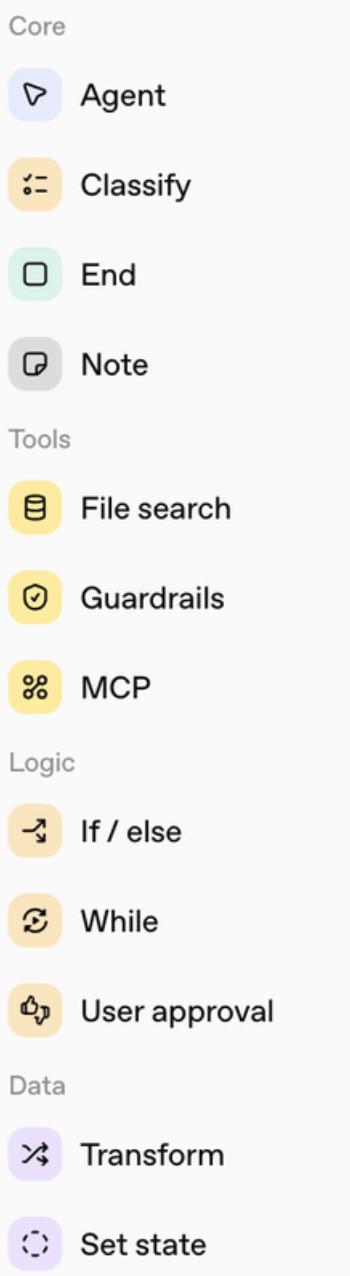
Reasoning effort low ⌂

Tools +

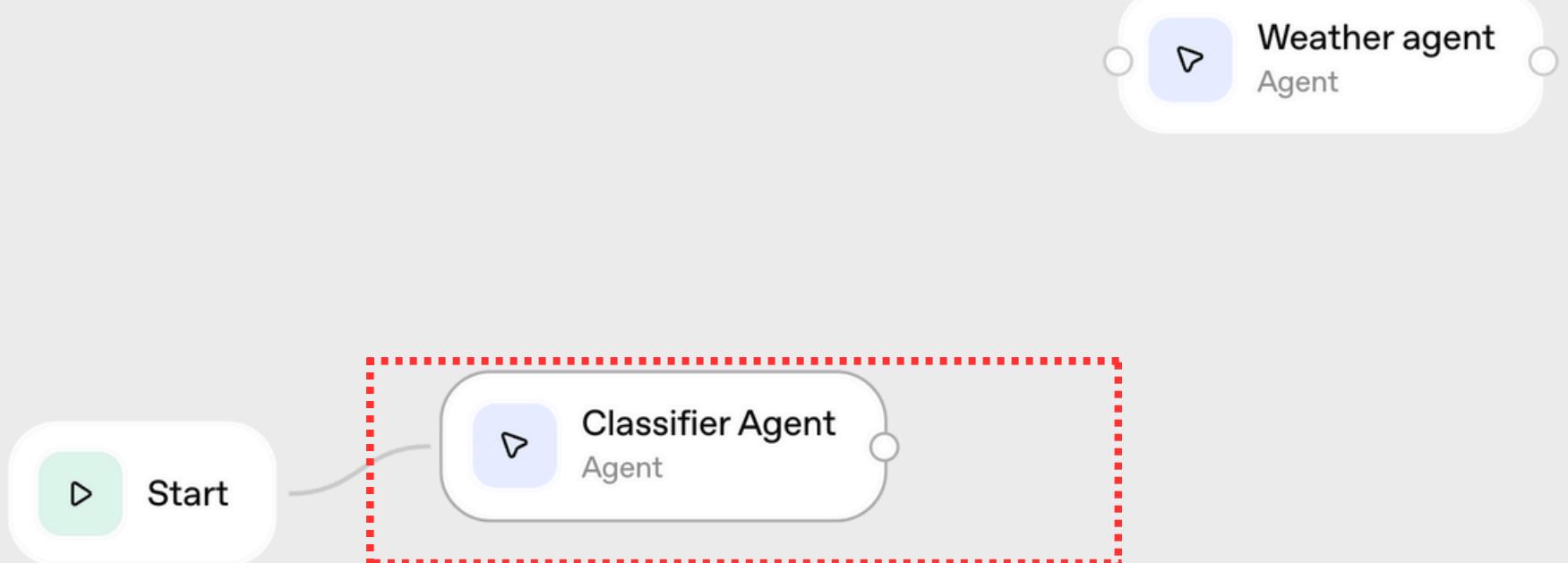
Web Search ✖

Output format Text ⌂

More Evaluate ⌂



Design Classifier Agent



Classifier Agent

Call the model with your instructions and tools

Name

Instructions

Classify the user's query into one of two categories based on its content:
- If the question is about weather (such as current weather, forecast, temperature, rain,

Include chat history

Model

Reasoning effort

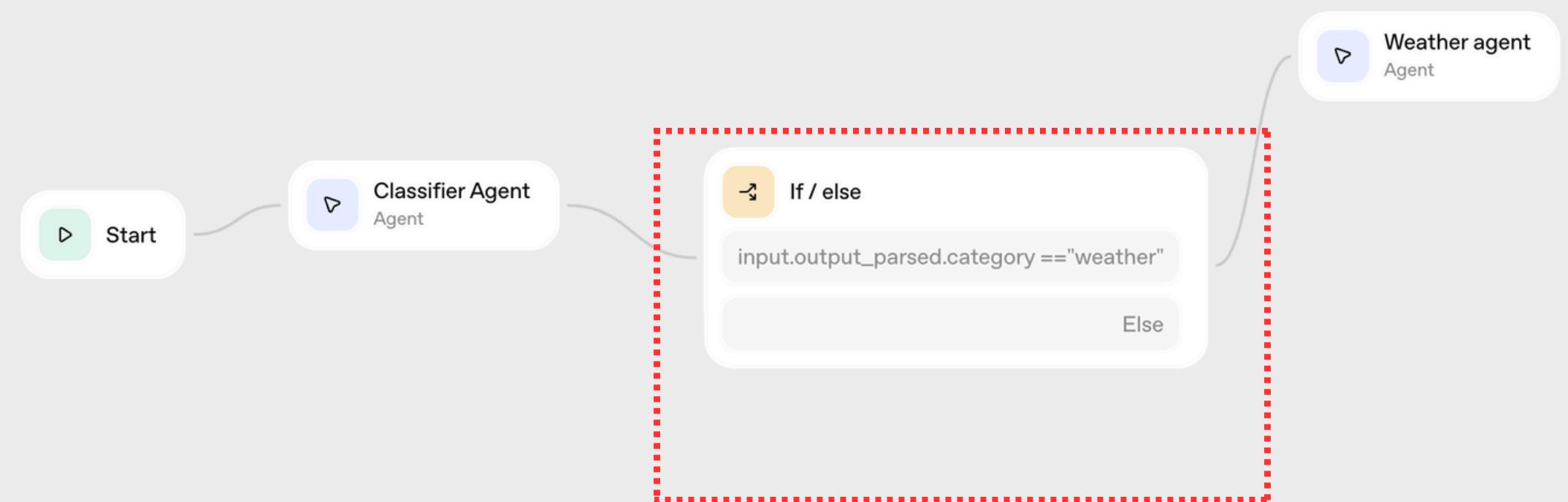
Tools

Output format

More

New chat ↗

Working with If-Else Logic Node in Agent Workflow



▷ Start

▷ Classifier Agent

{ "category": "weather" }

⌚ resp_0171350ae2c3847...

→ If / else

▷ Weather agent

Reasoning >

⊕ Searched the web

| "weather: New Delhi, India"

Delhi (New Delhi) is currently sunny, 19°C (67°F).

⌚ resp_0171350ae2c3847...

Send a message...



Core

- Agent
- Classify
- End
- Note

Tools

- File search
- Guardrails
- MCP

Logic

- If / else
- While
- User approval

Data

- Transform
- Set state

Set Agent Prompt to Give Weather Forecast

Edit instructions

Add context {≡}

- List each of the next five days with its forecast (day and summary).

Example:

Current weather in [Location]: [Brief description including temperature, condition, etc.]

5-day Forecast:

- [Day 1]: [Forecast summary]
- [Day 2]: [Forecast summary]
- [Day 3]: [Forecast summary]
- [Day 4]: [Forecast summary]
- [Day 5]: [Forecast summary]

2. If either is unavailable:

- Reply only: "I do not have access."

Notes

- Check for the availability of both current conditions and a five-day forecast before replying.
- Do not provide partial results; if any required data is missing, use the fallback phrase exactly as specified.
- Be sure your reply is formatted as stated above, and always be clear and concise.

Cancel

Save

Weather agent

Call the model with your instructions and tools

Name Weather agent

Instructions

Behave as a helpful weather agent. When prompted for weather information for any location, attempt to provide both:
- The current weather details

Include chat history



Model

gpt-5.2

Reasoning effort

low

Tools

⊕ Web Search ✕

Output format

Text

More

Evaluate ↵

Core

- Agent
- Classify
- End
- Note

Tools

- File search
- Guardrails
- MCP

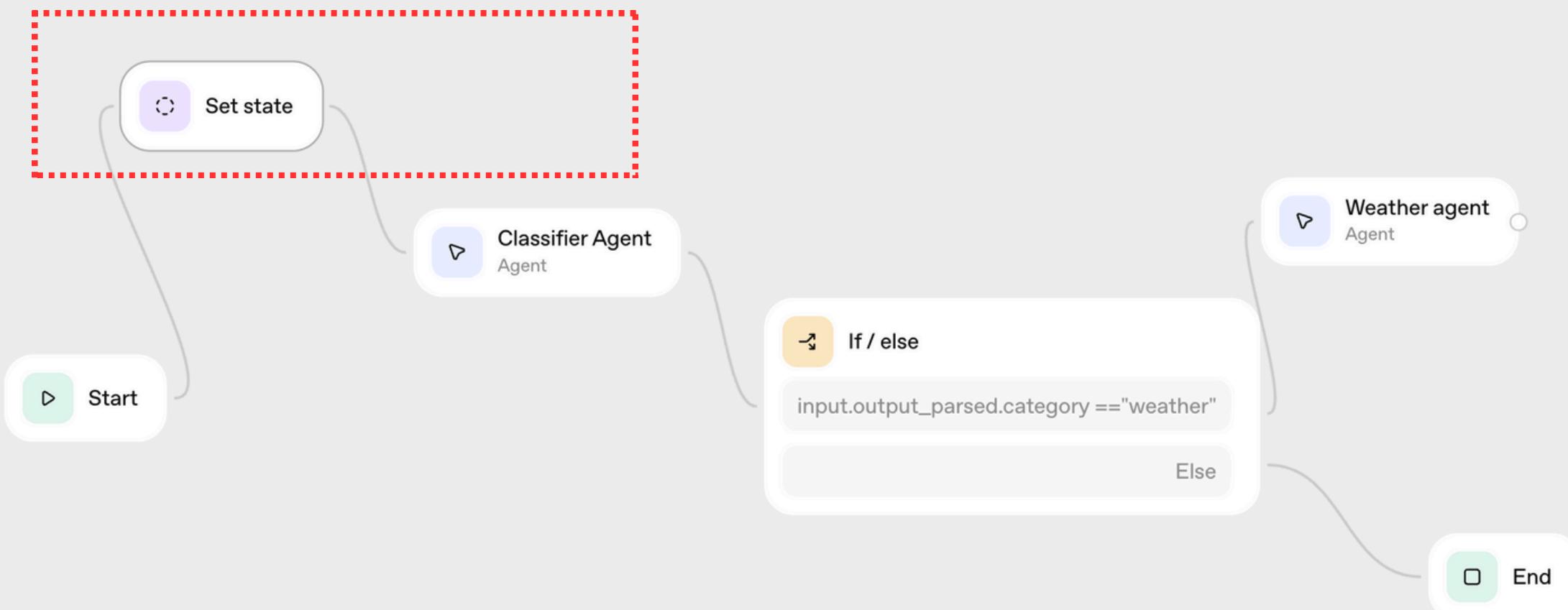
Logic

- If / else
- While
- User approval

Data

- Transform
- Set state

- Set Agent Prompt to Give Weather Forecast
- Working with Agent Set State Node



Set global variables

Assign values to workflow's state variables

Assign value

`input.foo + 1`

Use Common Expression Language to create a custom expression [Learn more](#)

To variable

`count` NUMBER

+ Add

- **Section 3: Deep Dive into OpenAI Agent Builder Workflow Nodes & Tools**

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Core

- Agent
- Classify
- End
- Note

Tools

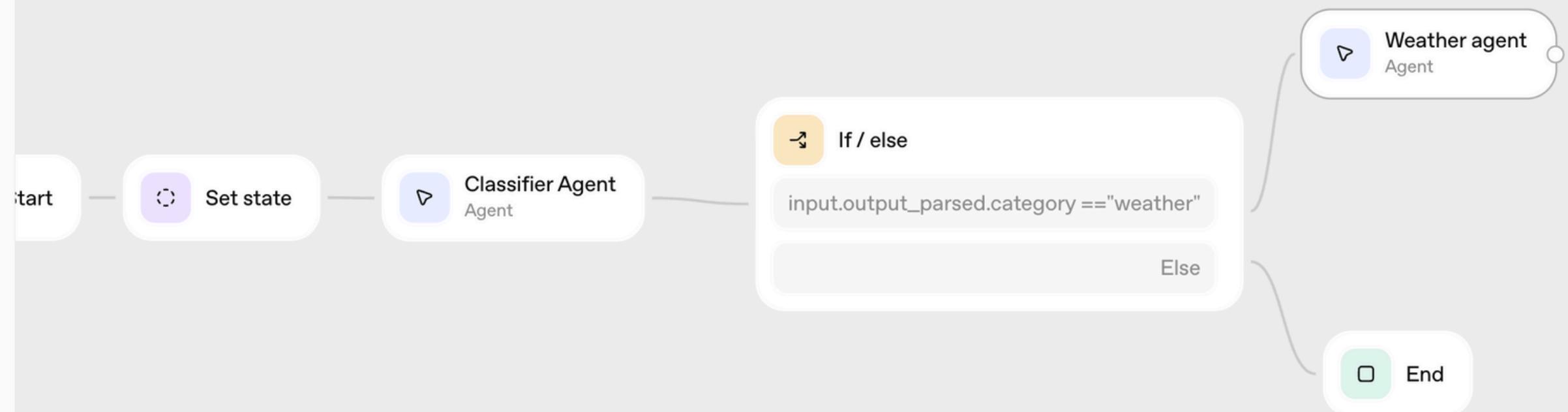
- File search
- Guardrails
- MCP

Logic

- If / else
- While
- User approval

Data

- Transform
- Set state



Weather agent

Call the model with your instructions and tools

Name: Weather agent

Instructions: Behave as a helpful weather agent. When prompted for weather information for any location, attempt to provide both:
- The current weather details

Include chat history:

Model: gpt-5.2

Reasoning effort: low

Tools: Web Search More

Output format: Text JSON Widget ChatKit

Widget Builder

Playground

Widget Builder

chatkit.world

Back to overview

weatherForecast

5-Day Forecast

Create a widget

Describe your widget or attach a mockup

+

Start blank

Upload .widget file



12. Introduction to OpenAI ChatKit

13. Get Weather Agent Output in Chatkit Template Format

Playground

Playground Widget builder chatkit.world Back to overview

Custom surface colors

Typography

Font family OpenAI Sans

Font size 16px

Style

Radius Pill

Density Normal

Start screen

Greeting What can I help with toc

Starter prompts Some

Composer

Placeholder Message the AI

Disclaimer AI can make mistakes

Attachments

Model picker

Tool menu

Search docs Create theme

Light Dark

Watch chat examples

12. Introduction to OpenAI ChatKit

13. Get Weather Agent Output in Chatkit Template Format

Utility analysis

Month	Similar homes	Your home
Apr	Low	Medium
May	Medium	Medium-High
Jun	High	High
Jul	Very High	Very High
Aug	High	High
Sep	Medium-High	Medium

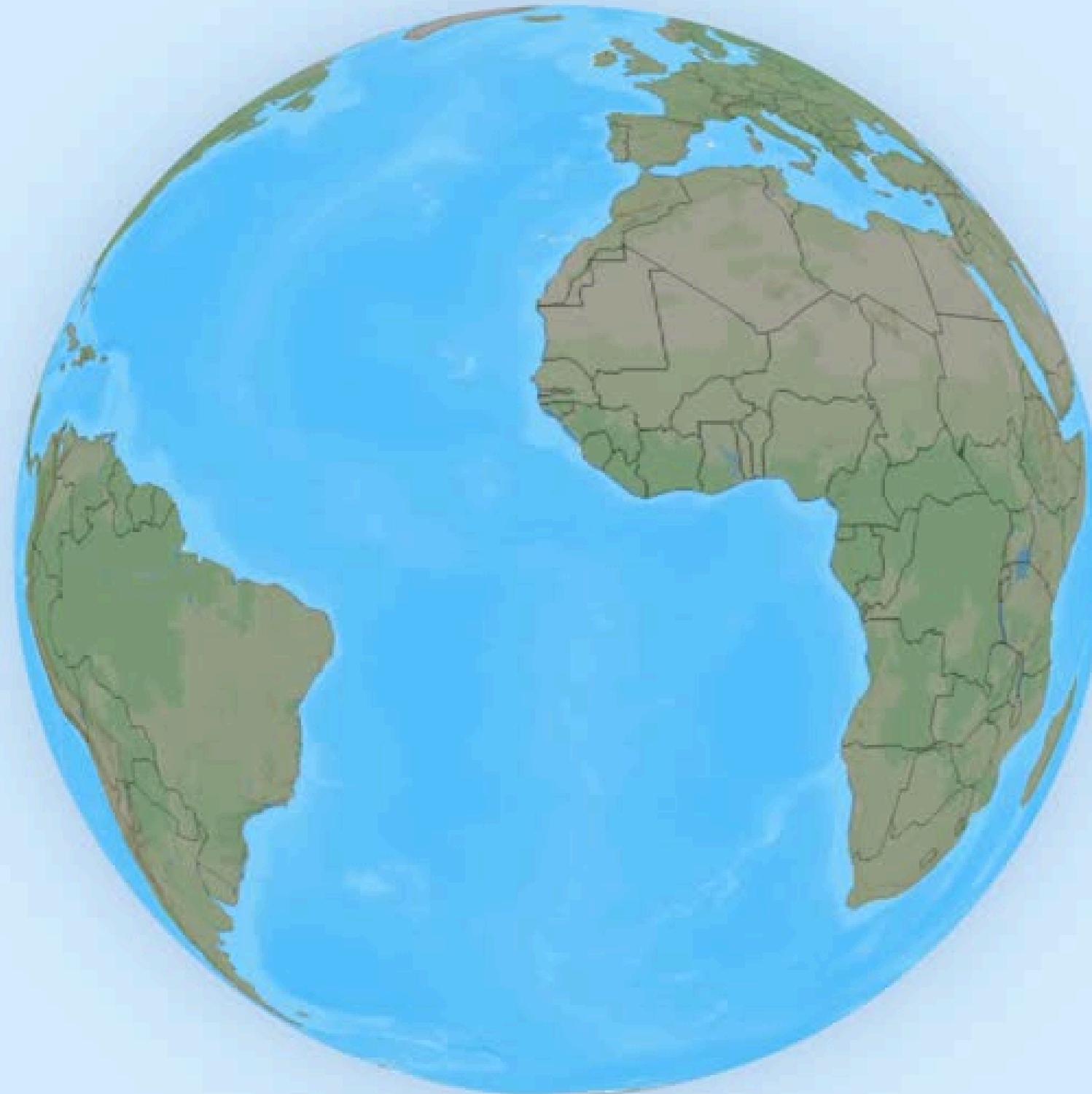
hi

Hello! You're viewing a summary of your energy usage over the last six months, with a comparison to similar homes. If you have questions about your energy trends, want tips to reduce usage, or need a more detailed breakdown, just let me know!

Message the AI

12. Introduction to OpenAI ChatKit

13. Get Weather Agent Output in Chatkit Template Format



Where should we visit next?

- ⌚ Where haven't I been yet?
- ❖ Guess the country
- ⌚ Plan a journey for us to go on

[+ New widget](#)[👀 Gallery](#)[📦 Components](#)[📁 Icons](#)

Widgets

weatherForecast

5-Day Forecast

12. Introduction to OpenAI ChatKit

13. Get Weather Agent Output in Chatkit Template Format

Create a widget

Describe your widget or attach a mockup

[Start blank](#)[Upload .widget file](#)

[New widget](#)[Gallery](#)[Components](#)[Icons](#)[Widgets](#)**5-Day Weather Forecast**

weatherForecast

5-Day Forecast

```

1  <Card size="md">
2    <Col gap={2}>
3      <Row align="center">
4        <Icon name="map-pin" color="secondary" />
5        <Title value={city} size="lg" />
6        <Spacer />
7        <Badge label="5-Day" />
8      </Row>
9      <Caption value={rangeLabel} color="secondary" />
10     </Col>
11     <Divider />
12     <ListView>
13       {days.map((item) => (
14         <ListViewItem
15           key={item.id}
16           gap={3}
17           onClickAction={{
18             type: "forecast.details",
19             payload: { date: item.isoDate },
20           }}
21         >
22           <Box background={item.accent} radius="full" width={3} height="40px" />
23           <Col flex="auto" gap={1}>
24             <Row>
25               <Text
26                 value={`${item.weekday}, ${item.dateLabel}`}
27                 size="sm"
28                 weight="semibold"
29               />
30               <Spacer />
31               <Text
32                 value={`${item.high}° / ${item.low}°`}
33                 size="sm"
34                 weight="semibold"
35               />
36             </Row>
37           <Row>

```

Schema Default +

```

1  {
2    city: "New York, NY",
3    rangeLabel: "Tue, Dec 30 - Sat, Jan 3",
4    days: [
5      {
6        id: "2025-12-30",
7        isoDate: "2025-12-30",
8        weekday: "Tuesday",
9        dateLabel: "Dec 30",
10       icon: "⛅",
11       conditions: "Partly cloudy"
12     }
13   ]
14 }

```

**© New York, NY**

Tue, Dec 30 - Sat, Jan 3

Tuesday, Dec 30	44° / 34°
Partly cloudy	Wind 9 mph · Hum 58% · UV 2 · Rain 20%
Wednesday, Dec 31	47° / 41°
Rain	Wind 12 mph · Hum 82% · UV 1 · Rain 70%
Thursday, Jan 1	50° / 38°
Sunny	Wind 7 mph · Hum 48% · UV 2 · Rain 10%
Friday, Jan 2	42° / 31°
Cloudy	Wind 13 mph · Hum 65% · UV 1 · Rain 15%

[Show 1 more](#)**12. Introduction to OpenAI ChatKit****13. Get Weather Agent Output in Chatkit Template Format**

Core

- Agent
- Classify
- End
- Note

Tools

- File search
- Guardrails
- MCP

Logic

- If / else
- While
- User approval

Data

- Transform
- Set state

```
graph LR; Start((Start)) --> SetState1[Set state]; SetState1 --> Classifier[Classifier Agent]; Classifier --> End((End));
```

5-Day Weather Forecast

[Preview](#) [Code](#) [Detach](#) [Edit](#)

New York, NY [5-Day](#)

Tue, Dec 30 – Sat, Jan 3

Date	Temp	Description	Wind	Humidity	UV Index	Rain
Tuesday, Dec 30	44° / 34°	Partly cloudy	Wind 9 mph	Hum 58%	UV 2	20%
Wednesday, Dec 31	47° / 41°	Rain	Wind 12 mph	Hum 82%	UV 1	70%
Thursday, Jan 1	50° / 38°	Sunny	Wind 7 mph	Hum 48%	UV 2	10%
Friday, Jan 2	42° / 31°	Cloudy	Wind 13 mph	Hum 65%	UV 1	15%

Show 1 more

Weather agent

Call the model with your instructions and tools

Name **Weather agent**

Instructions + ⚡

Behave as a helpful weather agent. When prompted for weather information for any location, attempt to provide both:
 - The current weather details

Include chat history

Model gpt-5.2 ⚡

Reasoning effort low ⚡

Tools

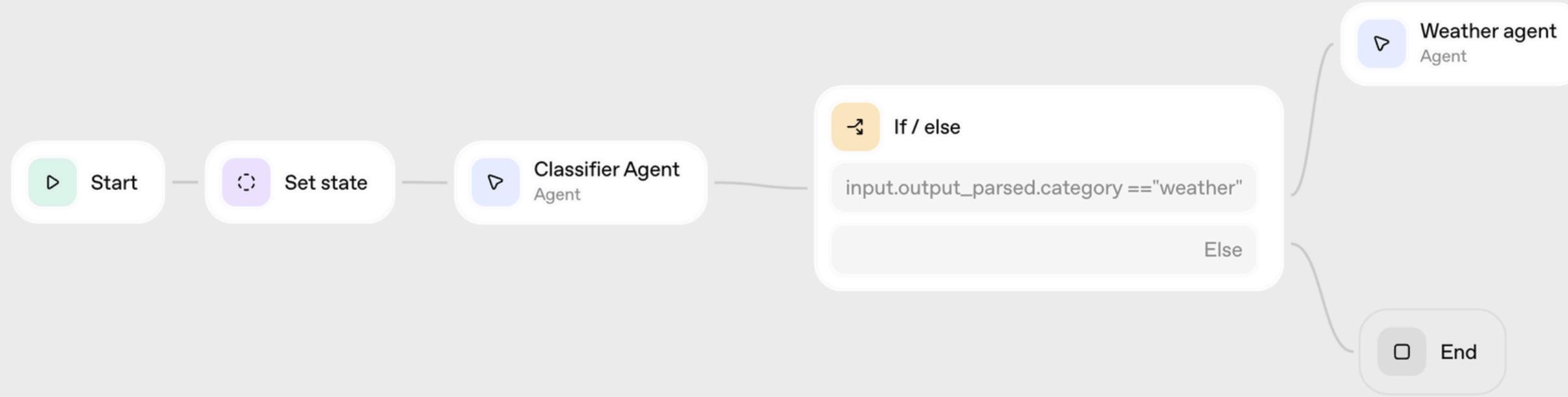
- Web Search [X](#)

Output format Widget

5-Day Weather Forecast

More Evaluate ↗

- 12. Introduction to OpenAI ChatKit**
13. Get Weather Agent Output in Chatkit Template Format



"location":"Pune
, India","conditionDescription":"Sunny","forecast":
[{"conditionImage":
<https://cdn.openai.com/API/storybook/mostly-sunny.png>,"temperature":"85°"},
 {"conditionImage":
<https://cdn.openai.com/API/storybook/mixed-sun.png>,"temperature":"86°"},
 {"conditionImage":
<https://cdn.openai.com/API/storybook/mostly-sunny.png>,"temperature":"84°"},
 {"conditionImage":
<https://cdn.openai.com/API/storybook/mixed-sun.png>,"temperature":"82°"},
 {"conditionImage":
<https://cdn.openai.com/API/storybook/mostly-sunny.png>,"temperature":"84°"}]



resp_0a9ea811730cf8b...

12. Introduction to OpenAI ChatKit

13. Get Weather Agent Output in Chatkit Template Format

Send a message...

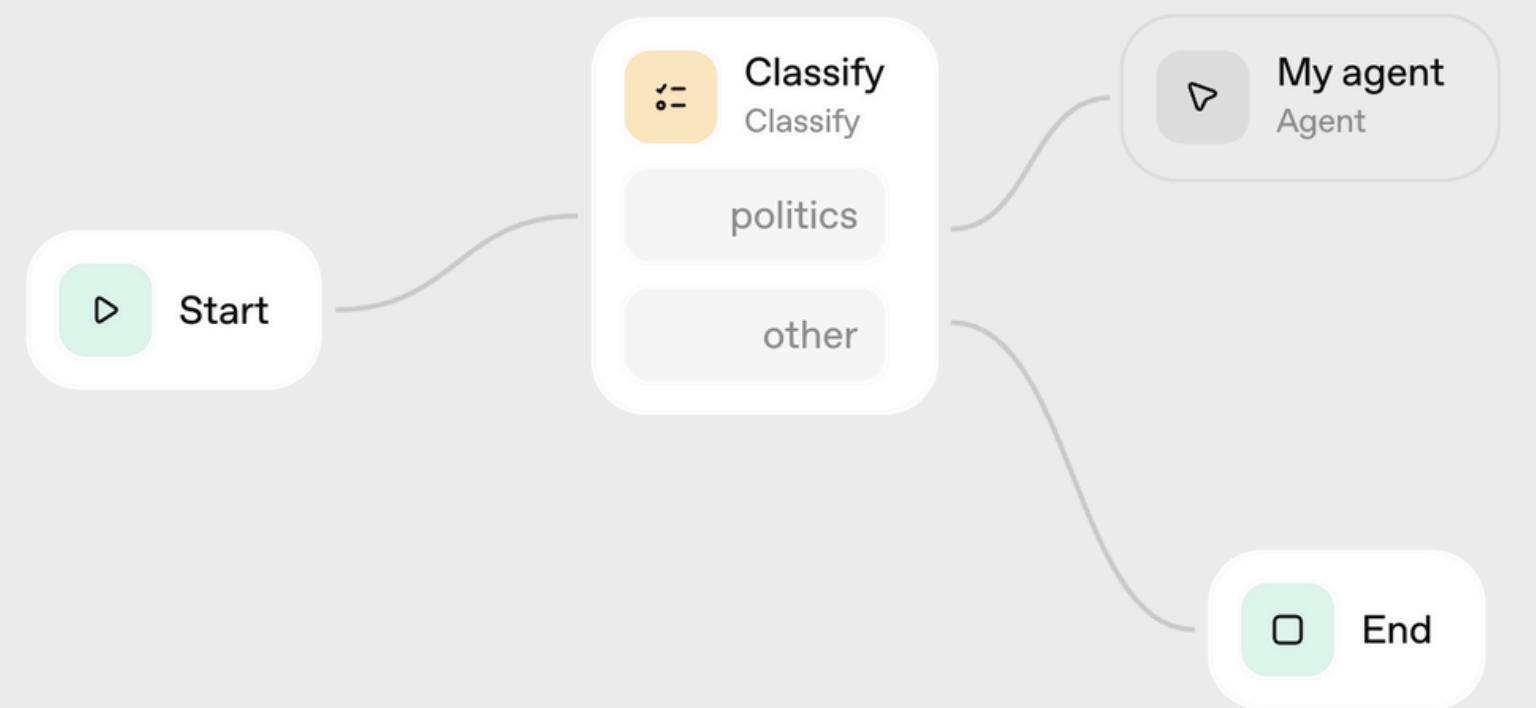
State variables



Deep Dive Built-in Classifier Node

New chat 🚀

What is geopolitics



▷ Start

⋮ Classify

SELECTED CATEGORY

politics

▷ My agent

Geopolitics, good sir (or madam), is the study of how the stage of the world—its lands and seas, mountains and straits, borders and passages—doth shape the ambitions, fears, and fortunes of kingdoms and commonwealths.

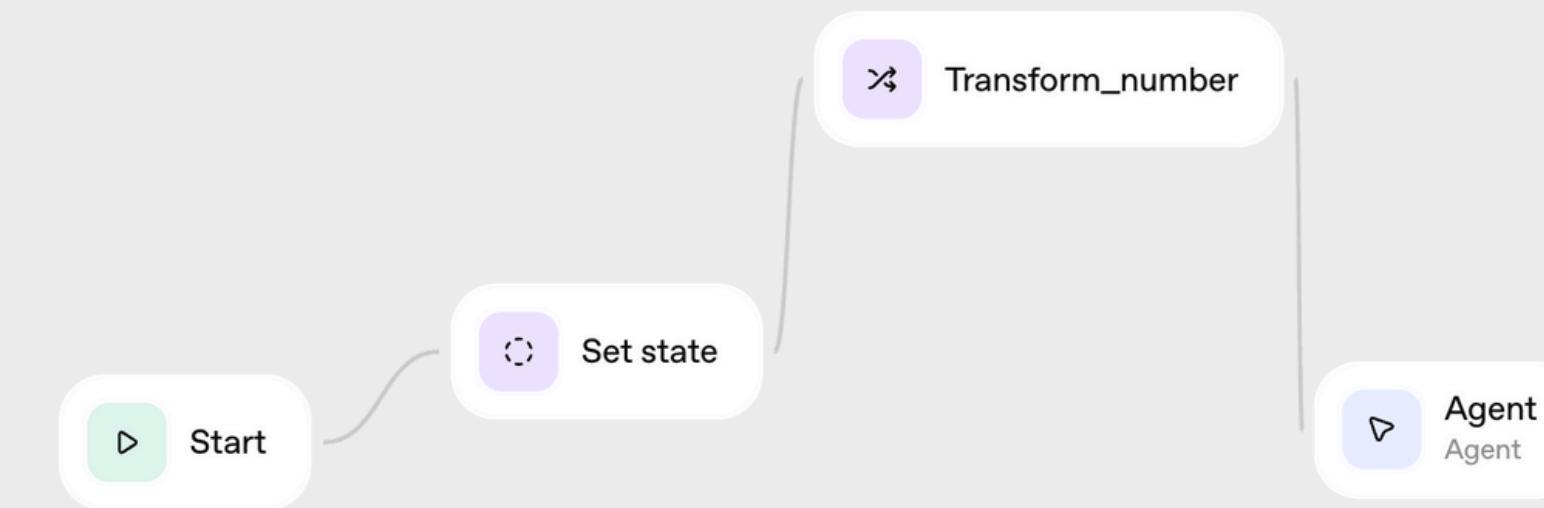
It asketh: how do place and power entwine?

- **Geography as destiny's counsel:** A realm with warm-water ports may court trade and navies; one landlocked may hunger for corridors and access.
- **Chokepoints and passageways:** Narrow straits, canals, and mountain passes become prized keys—held, contested, or guarded, for they command the flow of ships, soldiers, and goods.
- **Resources and sustenance:** Oil, gas, rivers, fertile plains, and rare minerals—these are the treasures that draw alliances, rivalries, and sometimes war.
- **Neighbors and buffers:** States seek friendly borders or “buffer” lands, lest enemies stand too near their gates.

Send a message...



New chat 📲



▷ Start

⌚ Set state

✖ Transform_number

▷ Agent

Value of state: 5
Transformed value: 4

🔗 resp_07680fc51088640...

Send a message...

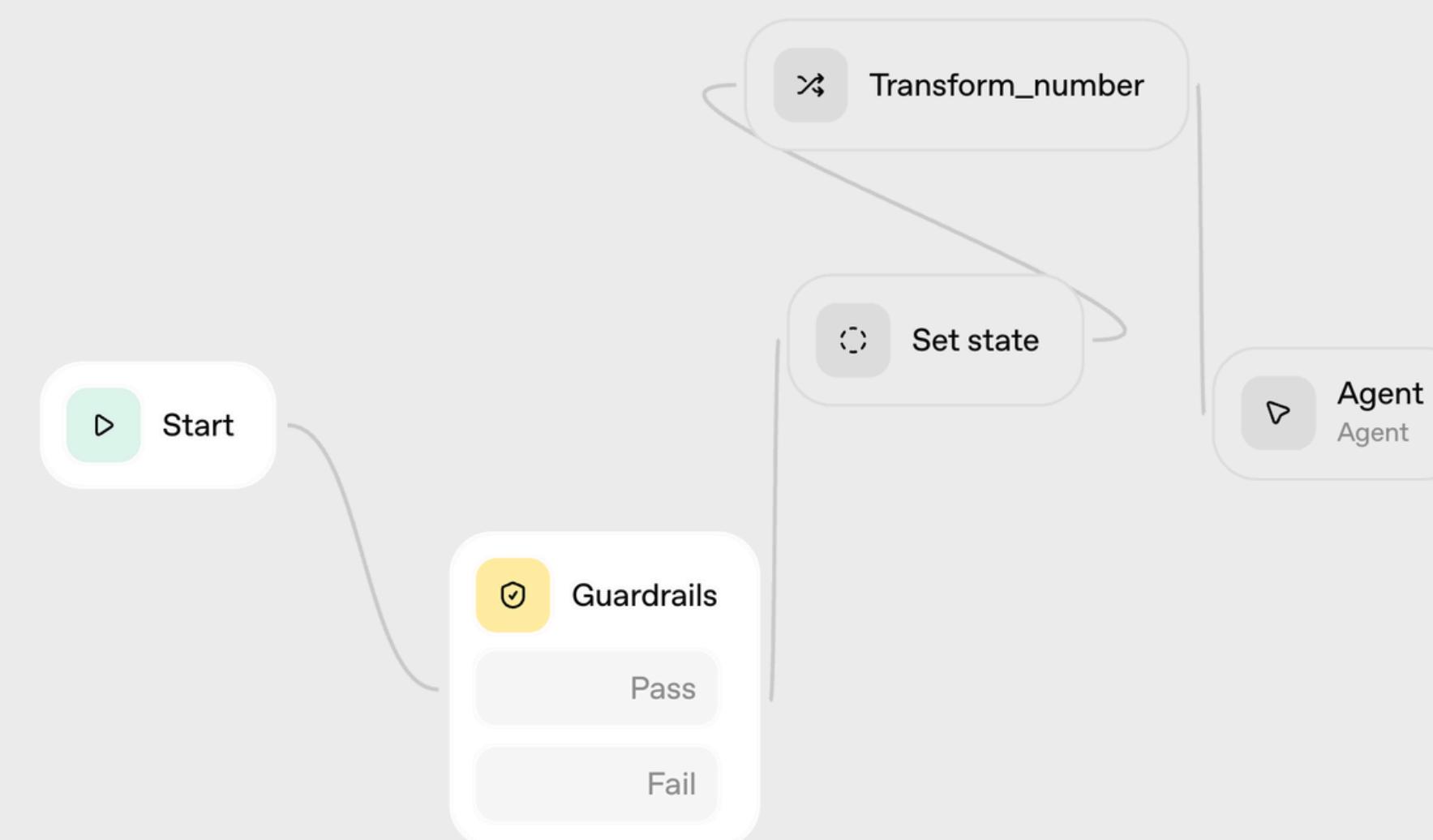
∅ ⚙️ State variables

hi

Exploring Guardrails Node - Detect and Block Unsafe Requests

New chat 🚀

email id : asdas@asd.com



▷ Start

☑ Guardrails

GUARDRAILS SUMMARY

Failed

INPUT TEXT

email id : asdas@asd.com

TRIGGERED GUARDRAILS

PII

Detected: EMAIL_ADDRESS (count: 1)

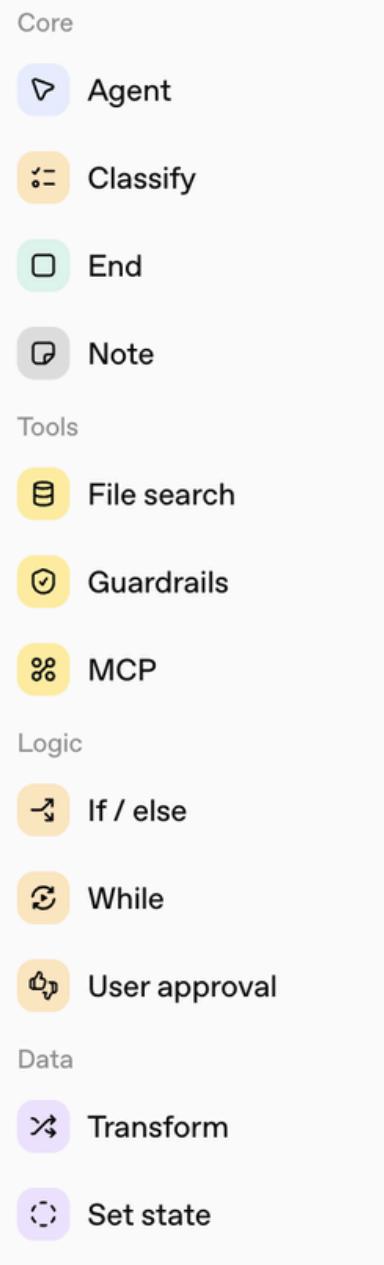
RAW RESULT

Show raw

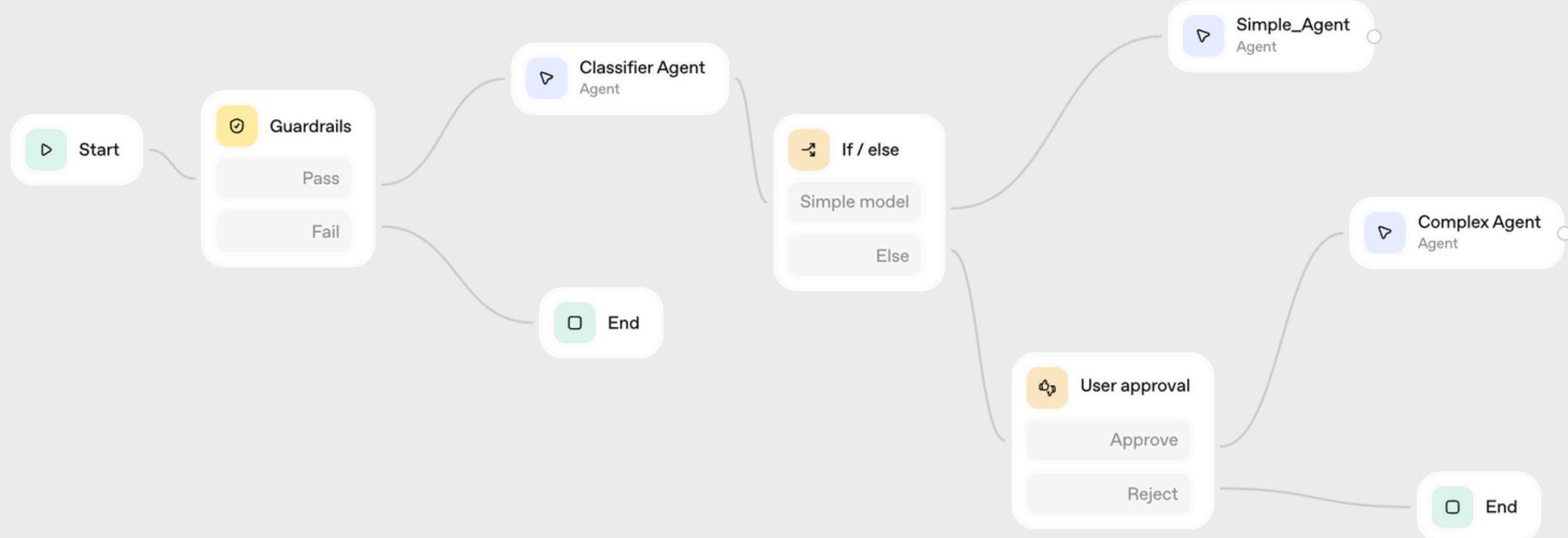
Send a message...

∅ ⚙️ State variables





18. Allow Access to Specific Agent Based on the User Approval Node



WE WANT YOUR
FEEDBACK!



SCAN ME!

<https://feedbackformashumishra.lovable.app>

Thank
you