

Conversational Chatbot API

1.0.0 OAS 3.1

/openapi.json

A FastAPI server for a conversational AI chatbot using LangChain and OpenAI.

default ^

POST /chat Chat

Handle user input and return a response from the chatbot. This endpoint uses the persistent conversation chain.

Parameters

[Cancel](#)

[Reset](#)

No parameters

Request body required

application/json

[Edit Value](#) Schema

```
{  
    "input": "Suggest a good hill station to visit in winter"  
}
```

[Execute](#)

[Clear](#)

Responses

Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/chat' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
    "input": "Suggest a good hill station to visit in winter"
}'
```

Request URL

http://127.0.0.1:8000/chat

Server response

Code	Details
------	---------

200

Response body

```
{
  "response": "One fantastic hill station to visit in winter is Manali, located
in the Kullu Valley of Himachal Pradesh. Manali is known for its stunning snow-
capped mountains, picturesque landscapes, and vibrant local culture. In winter,
it transforms into a winter wonderland, making it perfect for snow activities l
ike skiing, snowboarding, and even paragliding.\n\nYou can explore attractions
like the Solang Valley, which offers thrilling snow sports, or visit the Rohtan
g Pass for breathtaking views. Don't miss the chance to relax in a cozy café, s
ip on hot chocolate, and enjoy the serene beauty of the surrounding pine forest
s.\n\nFor accommodation, there are various options ranging from budget guesthou
ses to luxury resorts, ensuring you find the perfect place to stay. Would you l
ike more information on specific hotels or activities in Mana         Download
}'
```

Response headers

```
content-length: 857
content-type: application/json
date: Tue, 11 Nov 2025 09:04:14 GMT
server: uvicorn
```

Responses

Code	Description	Links
------	-------------	-------

200

Successful Response

No links

Media type

application/json

Controls Accept header.

Example Value [Schema](#)

```
{
  "response": "string"
}'
```

422

Validation Error

No links

Media type

application/json

Example Value [Schema](#)

Code	Description	Links
<pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>		

GET /context Get Context ^

Retrieve the current conversation context (history).

Parameters

[Cancel](#)

No parameters

[Execute](#)

[Clear](#)

Responses

Curl

```
curl -X 'GET' \
'http://127.0.0.1:8000/context' \
-H 'accept: application/json'
```

Request URL

<http://127.0.0.1:8000/context>

Server response

Code	Details
------	---------

200

Response body

```
{
  "context": "Human: This is the provided context\nAI: You are a travel assistant who helps users find the best destinations, hotels, and things to do across India.\nHuman: Suggest a good hill station to visit in winter\nAI: One fantastic hill station to visit in winter is Manali, located in the Kullu Valley of Himachal Pradesh. Manali is known for its stunning snow-capped mountains, picturesque landscapes, and vibrant local culture. In winter, it transforms into a winter wonderland, making it perfect for snow activities like skiing, snowboarding, and even paragliding.\n\nYou can explore attractions like the Solang Valley, wh
```

Code	Details
	<pre>ich offers thrilling snow sports, or visit the Rohtang Pass for breathtaking views. Don't miss the chance to relax in a cozy café, sip on hot chocolate, and enjoy the serene beauty of the surrounding pine forests.\n\nFor Download here are various options ranging from budget guesthouses to luxury lodges, ensuring you find the perfect place to stay. Would you like more information on specific hotels or activities in Manali?"\n}</pre>

Response headers

```
content-length: 1067
content-type: application/json
date: Tue, 11 Nov 2025 09:04:37 GMT
server: uvicorn
```

Responses

Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <p>application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "context": "string" }</pre>	No links

POST /context Set Context ^

Set (or overwrite) the conversation context. This clears the existing memory and injects the new context.

Parameters

Cancel

Reset

No parameters

Request body **required**

application/json

Edit Value Schema

```
{  
  "context": "You are a travel assistant who helps users find the best destinations,  
  hotels, and things to do across India."  
}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \  
  'http://127.0.0.1:8000/context' \  
  -H 'accept: application/json' \  
  -H 'Content-Type: application/json' \  
  -d '{  
    "context": "You are a travel assistant who helps users find the best destinations, hotels, and things to do across India."  
}'
```

Request URL

<http://127.0.0.1:8000/context>

Server response

Code	Details
------	---------

200

Response body

```
{  
  "message": "Context updated successfully"  
}
```

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Response headers

```
content-length: 42  
content-type: application/json  
date: Tue, 11 Nov 2025 09:02:57 GMT  
server: uvicorn
```

Responses

Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <div style="border: 1px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "message": "string" }</pre>	No links
422	<p>Validation Error</p> <p>Media type</p> <div style="border: 1px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>	No links

POST /sentiment Analyze Sentiment ^

Analyze the sentiment of a given user input. Uses a dedicated, structured-output chain.

Parameters

Cancel

Reset

No parameters

Request body required

application/json

Edit Value Schema

```
{  
    "input": "i am not feeling well today"  
}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \  
      'http://127.0.0.1:8000/sentiment' \  
      -H 'accept: application/json' \  
      -H 'Content-Type: application/json' \  
      -d '{  
        "input": "i am not feeling well today"  
      }'
```

Request URL

<http://127.0.0.1:8000/sentiment>

Server response

Code	Details
200	Response body

{
 "sentiment": "negative"
}

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Response headers

content-length: 24
content-type: application/json
date: Tue, 11 Nov 2025 08:52:52 GMT
server: uvicorn

Responses

Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <div style="border: 1px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "sentiment": "positive" }</pre>	No links
422	<p>Validation Error</p> <p>Media type</p> <div style="border: 1px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>	No links

POST /entities Extract Entities ^

Extract named entities from a given user input. Uses a dedicated, structured-output chain.

Parameters	Cancel Reset
No parameters	
Request body <small>required</small>	<div style="border: 1px solid black; padding: 2px 10px; border-radius: 5px; display: inline-block;">application/json</div>
Edit Value Schema	

```
{  
    "input": "I work at Microsoft in banglore"  
}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \  
  'http://127.0.0.1:8000/entities' \  
  -H 'accept: application/json' \  
  -H 'Content-Type: application/json' \  
  -d '{  
    "input": "I work at Microsoft in banglore"  
}'
```

Request URL

<http://127.0.0.1:8000/entities>

Server response

Code	Details
200	Response body

```
{  
    "entities": [  
        "Microsoft",  
        "Bangalore"  
    ]  
}
```

[Download](#)

Response headers

```
content-length: 38  
content-type: application/json  
date: Tue, 11 Nov 2025 08:56:11 GMT  
server: uvicorn
```

Responses

Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "entities": ["string"] }</pre>	No links
422	<p>Validation Error</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>	No links

Schemas



ChatRequest > Expand all `object`

ChatResponse > Expand all `object`

ContextRequest > Expand all `object`

ContextResponse > Expand all `object`

ContextUpdateResponse > Expand all `object`

EntitiesRequest > Expand all **object**

EntitiesResponse > Expand all **object**

HTTPValidationError > Expand all **object**

SentimentRequest > Expand all **object**

SentimentResponse > Expand all **object**

ValidationError > Expand all **object**