

# 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	<div><div>Response body</div><div><pre>{   "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 like skiing, snowboarding, and even paragliding.\n\nYou can explore attractions like the Solang Valley, which offers thrilling snow sports, or visit the Rohtang Pass for breathtaking views. Don't miss the chance to relax in a cozy caf��, sip on hot chocolate, and enjoy the serene beauty of the surrounding pine forest s.\n\nFor accommodation, there are various options ranging from budget guesthouses to luxury resorts, ensuring you find the perfect place to stay. Would you like more information on specific hotels or activities in Mana" }</pre></div><div><div>Download</div></div></div> <div><div>Response headers</div><div><pre>content-length: 857 content-type: application/json date: Tue, 11 Nov 2025 09:04:14 GMT server: uvicorn</pre></div></div>

Responses

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

CodeDescriptionLinks

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

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

CodeDetails

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

```
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 more information or Download here are various options ranging from budget guesthouses to luxury resorts, ensuring you find the perfect place to stay. Would you like more information on specific hotels or activities in Manali?"\n}
```

Response headers

```
content-length: 1067\ncontent-type: application/json\ndate: Tue, 11 Nov 2025 09:04:37 GMT\nserver: uvicorn
```

Responses

Code

Description

Links

200

Successful Response

No links

Media type

application/json

Controls Accept header.

Example Value

Schema

```
{\n  "context": "string"\n}
```

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, & 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"
}
```

Download

#### 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	<div>Successful Response</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value   Schema</div> <div><pre>{  "message": "string"}</pre></div>	No links
422	<div>Validation Error</div> <div>Media type</div> <div>application/json</div> <div>Example Value   Schema</div> <div><pre>{  "detail": [    {      "loc": [        "string",        0      ],      "msg": "string",      "type": "string"    }  ]}</pre></div>	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"
}
```

Download

#### 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	<div>Successful Response</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value   Schema</div> <div><pre>{   "sentiment": "positive" }</pre></div>	No links
422	<div>Validation Error</div> <div>Media type</div> <div>application/json</div> <div>Example Value   Schema</div> <div><pre>{   "detail": [     {       "loc": [         "string",         0       ],       "msg": "string",       "type": "string"     }   ] }</pre></div>	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 required

application/json

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	<div>Successful Response</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value   Schema</div> <div><pre>{  "entities": [    "string"  ]}</pre></div>	No links
422	<div>Validation Error</div> <div>Media type</div> <div>application/json</div> <div>Example Value   Schema</div> <div><pre>{  "detail": [    {      "loc": [        "string",        0      ],      "msg": "string",      "type": "string"    }  ]}</pre></div>	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**