

default

POST /chat Chat

Handle a chat request by running the scraping agent, persisting state, and returning a summarized response with structured results.

This endpoint:

- Ensures a session exists and appends the user's prompt to the conversation.
- Loads recent conversation memory (up to 20 messages) and any prior scrape results for the session.
- Invokes the scraping agent with the provided URL, prompt, and limits.
- Saves the agent's outputs (schema, items, visited count) for future reuse.
- Adds a helpful assistant message to the conversation, preferring an LLM-provided summary when the agent reuses previous results.

Args:

req (ChatRequest):

session_id (str): Identifier for the chat session; used to persist memory and results.

user_prompt (str): The user's instruction or question guiding the agent.

url (str): The starting URL for the scraper/agent to process.

max_pages (int | None): Optional page-visit limit for the crawl.

max_iterations (int | None): Optional iteration cap for the agent.

Returns:

ChatResponse:

text (str): A human-readable summary of what was done (reuse summary or scrape summary).

results (list[dict]): The structured items extracted by the agent.

session_id (str): Echo of the provided session identifier.

schema (dict | None): The inferred or provided schema describing item structure.

visited_count (int | None): Number of pages the agent reports having visited.

Side Effects:

- Writes conversation messages and agent outputs to persistent storage for the session.
- Emits log entries describing the run (session, URL, limits).
- May reuse and refine previously saved results depending on the agent's chosen mode.

Raises:

- Propagates I/O, network, validation, or agent execution errors that occur during run or persistence.

Parameters

No parameters

Request body ^{required}

application/json

Edit Value | Schema

```
{  "url": "https://medrecruit.medworld.com/jobs/list?location=New+South+Wales&page=1",  "user_prompt": "Filter data that have pay higher than $2,000 per day only.",  "max_pages": 3,  "max_iterations": 3,  "session_id": "1238"}
```

Execute

Clear

Responses

Curl

```
curl -X 'POST' \  'http://localhost:8000/chat' \  -H 'accept: application/json' \  -H 'Content-Type: application/json' \  -d '{  "url": "https://medrecruit.medworld.com/jobs/list?location=New+South+Wales&page=1",  "user_prompt": "Filter data that have pay higher than $2,000 per day only.",  "max_pages": 3,  "max_iterations": 3,  "session_id": "1238"}
```

Request URL

http://localhost:8000/chat

Server response

Code

Details

200

Response body

```
{  "text": "Filtered items to include only those with pay higher than $2,000 per day, resulting in 12 items.",  "results": [    {      "role": "Specialist Consultant",      "location": "MARRABRI, New South Wales AU",      "pay": 2750,      "name": "GP - Emergency Medicine / SMO"    },    {      "role": "Specialist Consultant",      "location": "Glen Innes, New South Wales AU",      "pay": 2100,      "name": "GP - Emergency Medicine / SMO"    },    {      "role": "Specialist Consultant",      "location": "Glen Innes, New South Wales AU",      "pay": 2100,      "name": "GP - Emergency Medicine / SMO"    }  ]}
```

```
{
  "role": "Specialist Consultant",
  "location": "Glen Innes, New South Wales AU",
  "pay": 100,
  "name": "GP - Emergency Medicine / SMO"
},
}
```

Download

Response headers

```
content-length: 1616
content-type: application/json
date: Mon, 18 Aug 2025 13:02:49 GMT
server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response	No links
<div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "text": "string", "results": ["string"], "session_id": "string", "schema": { "additionalProp1": {} }, "visited_count": 0 }</pre></div>		
422	Validation Error	No links
<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>		

Schemas

ChatRequest > Expand all object

ChatResponse > Expand all object

HTTPValidationError > Expand all object

ValidationError > Expand all object