

Authentication

POST /api/user

Attempt to create a new user. If the user already exists or the email/password are invalid, the request will be rejected.

Request Body

```
application/json

{
  "email": "string",
  "password": "string"
}
```

Status Codes

- 201: user created successfully
- 400: invalid email/password, or user already exists
- 500: internal server error

POST /api/session

Attempt to log in as a user. If the user does not exist or the password is incorrect, the request will be rejected.

Request Body

```
application/json

{
  "email": "string",
  "password": "string"
}
```

Status Codes

- 200: login successful
- 401: invalid email/password
- 500: internal server error

GET /api/session

Returns 200 if the user is logged in.

Status Codes

- 200: session information retrieved successfully
- 401: user is not logged in
- 500: internal server error

DELETE /api/session

Attempt to log out the current user.

Status Codes

- 200: logout successful
- 401: user is not logged in
- 500: internal server error

Ingredients List

GET /api/ingredients

Retrieve a list of all ingredients in the database. Returns a JSON array of strings.

Status Codes

- 200: list of ingredients retrieved successfully
- 401: user is not logged in
- 500: internal server error

PUT /api/ingredients

Add a list of new ingredients to the database. The request body should be a JSON array of strings.

Request Body

```
application/json

[
  "string",
  "string",
  ...
]
```

Status Codes

- 204: ingredients added successfully
- 400: invalid request body
- 401: user is not logged in
- 500: internal server error

POST /api/ingredient/ingredient

Add a single ingredient to the database.

Form Parameters

- ingredient: the ingredient to add

Status Codes

- 204: ingredient added successfully
- 400: invalid ingredient name
- 401: user is not logged in
- 500: internal server error

PUT /api/ingredient/ingredient/newName

Update the name of an ingredient in the database.

Form Parameters

- ingredient: the ingredient to update
- newName: the new name of the ingredient

Status Codes

- 204: ingredient updated successfully
- 400: invalid ingredient name or new name
- 401: user is not logged in
- 404: ingredient not found
- 500: internal server error

DELETE /api/ingredient/ingredient

Delete an ingredient from the database.

Form Parameters

- ingredient: the ingredient to delete

Status Codes

- 204: ingredient deleted successfully
- 400: invalid ingredient name
- 401: user is not logged in
- 404: ingredient not found
- 500: internal server error

OpenAI

GET /api/image

Use OpenAI to generate a list of ingredients from an image. Returns a JSON array of strings.

Request Body

```
application/multipart-form-data

{
  "image": <image file>
}
```

Status Codes

- 200: ingredients generated successfully
- 400: invalid image file
- 401: user is not logged in
- 429: rate limit exceeded
- 500: internal server error

GET /api/recipes

User OpenAI to generate a list of recipe ideas based on the user's ingredients in the database. Returns a JSON array of strings.

Status Codes

- 200: recipes generated successfully
- 400: no ingredients in database
- 401: user is not logged in
- 429: rate limit exceeded
- 500: internal server error