```
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
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
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
      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
                               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
                                Lists
  The list endpoints allows a client to manage their ingredient and
  preference lists.
  The lists are named after the plural of the items they contain. For
  example, a list of ingredients is named "ingredients", while a single
  entry in the list is called an "ingredient".
  The endpoints that interact with a single item at a time are named
  using the singular of the list. For example, to add a single ingredient
  to the "ingredients" list, the endpoint is
                     POST /api/ingredient/{ingredient}
  The server currently supports the following lists, presented here in
  plural.

    ingredients

    ingredient-exclusions

    recipe-exclusions

 GET /api/your-items
Retrieve a list of all strings in the corresponding database list.
  Example: GET /api/ingredients
Form Parameters
 your-items: the plural name of the list to retrieve
Status Codes
 200: list retrieved successfully
 401: user is not logged in
 500: internal server error
 PUT /api/your-items
Add an array of new items to the database. The request body should be a
JSON array of strings.
  Example: PUT /api/ingredients
Form Parameters
 your-items: the plural name of the list to add items to
```

```
Status Codes
```

```
Form Parameters
your-items: the plural name of the list to delete items from
```

Request Body

"items": [

]

application/json

401: user is not logged in **500:** internal server error

POST /api/your-item/item

Form Parameters

item: the item to add

Add a single item to the list.

Example: POST /api/ingredient/broccoli

Request Body

"items": [

. . .

]

application/json

"string",

204: items added successfully

401: user is not logged in **500:** internal server error

DELETE /api/your-items

400: invalid data in request body

Example: DELETE /api/ingredients

```
Status Codes
204: items deleted successfully
400: invalid data in request body
```

Delete a list of items from the corresponding database list.

```
Status Codes

204: item added successfully

400: invalid item name

401: user is not logged in
```

your-item: the singular name of the list to add items to

```
your-item: the singular name of the list to update items in
item-name: the item to update
new-name: the new name of the ingredient
```

204: item updated successfully

400: invalid item name or new name

Form Parameters

Status Codes

Status Codes

500: internal server error

PUT /api/your-item/item-name/new-name

Update the name of an item in the list.

```
401: user is not logged in404: item not found500: internal server error
```

```
Form Parameters
your-item: the singular name of the list to delete items from
```

ingredient: the item to delete

Delete an ingredient from the database.

DELETE /api/your-item/ingredient

```
204: ingredient deleted successfully
400: invalid ingredient name
```

```
404: ingredient not found500: internal server error
```

Jov. Internat Server error

401: user is not logged in