

# Foodflash Api Endpoints

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updated 2/14/2023

## Basic Information

The base url for all endpoints is <https://concierge.cooperstandard.org:8443/api>. The endpoints are listed by what needs to be appended to this base url, i.e. the endpoint listed as `/recipe/all` has a complete url <https://concierge.cooperstandard.org:8443/api/recipe/all>. Endpoints are divided by http method and which model they operate on, either recipes or users. See the notes under each endpoint for what is required and expected in the request body and headers. All request bodies should be raw json, this means request headers should include: `'Content-Type' : 'application/json'`. All objects also have a unique `_id` field in addition to what is outlined below. Authentication is handled through JWT bearer tokens. These are stored in the headers and do expire. If a token is expired send a

this is the current Recipe data model:

```
recipeSchema = {
  title: {
    required: true,
    type: String
  },
  description: {
    required: true,
    type: String
  },
  ingredients: {
    required: false,
    type: [String]
  },
  allergens: {
    type: [String],
    required: false
  },
  photos: {
    required: false,
    type: [String]
  },
  instructions: {
    required: false,
    type: String
  },
  prepTime: {
    required: false,
    type: String
  }
}
```

description is required to avoid namespace collisions, **this may change soon**. ingredients (and allergens) should be included but are not strictly required (this may change). Photos are currently stored as url strings and are not required, **this method of storage and optionality will change soon**. instructions are not required but should be included if relevant.

this is the current user data model

```
const userSchema = {
  name : {
    type : String,
    required : true
  },
  email : {
    type : String,
    required : true
  },
  password : {
    type : String,
    required : true
  },

  restrictions : {
    type : [String],
    required : false
  },
  oldToken : {
    type : String,
    required : false
  },

  saved : {
    type : [String],
    required: false
  }
}
```

**This will change soon**, hopefully not in ways that break existing functionality. Unlike recipe only name, restrictions, and saved are accesible by public endpoints. name stores the string of the users name, given at account registration and updatable with patch requests(see endpoint list). restrictions stores an array of dietary restrictions (these should match the set of allergens in recipes). saved is an array of recipe id. The oldToken field stores the last issued token. **before we add real users I will need to encrypt the passwords in storage**

## Get Endpoints

### Recipes

- `/recipe/all`:
  - requires an access token in the header: `authorization : Bearer <token>`
  - no body is required
  - returns an array of all currently available recipes.
- `/recipe/search`:
  - requires access token in the header: `authorization : Bearer <token>`
  - no body is required
  - requires a query term, ie `/api/recipe/search?term=spam` TODO:
- `[]`: get liked recipes

## Users

- `/authenticate`:
  - requires an access token in the header: `authorization : Bearer <token>`
  - no body is required
  - if the token is correct it returns the email associated with the account, if incorrect returns a status 500
- `/user/all`:
  - requires an admin access token `authorization : Bearer <admin token>`
  - no body is required
  - returns an array of all user accounts currently in the database

## Post Endpoints

### Recipes

- `/recipe`
  - requires `authorization : Bearer <admin token>`
  - body requires all the fields for the recipe to be posted for example:

```
{
  "title": "Fried Rice",
  "description": "Rice fried with onion and egg",
  "ingredients": [
    "rice",
    "vegetable oil",
    "egg",
    "onion",
    "garlic",
    "soy sauce"
  ],
  "allergens": [
    "egg",
    "onion",
    "soy"
  ],
  "photos": [
    "https://cdn.britannica.com/06/234806-050-49A67E27/SPAM-can.jpg"
  ]
}
```

```

    ],
    "instructions": "Cook the rice. Tingly slice the onions and garlic.  
heat oil in a pan on med-high heat. Add Garlic and onion to the pan  
and fry until slightly browned. crack egg into the pan and scramble,  
once almost scrambled add rice and soy sauce. Turn heat to high and  
mix ingredients, fry for another 3 minutes",
    "prepTime": "15 minutes"
  }

```

- returns a json representation of the posted recipe

TODO:

- [ ]: Like Recipe
- [ ]: Dislike Recipe

Users

- `/signup`
  - requires an email, password, and name in the body. The email must be unique.
  - returns a jwt and the user information if successful, returns a 401 status if an email is already associated with that account
- `/login`
  - requires an email and password in the body
  - returns a jwt if successful and a 401 status if unsuccessful

TODO:

- [ ]: refresh token

## Patch Endpoints

Recipes

Users

TODO:

- [ ]: Patch Recipe
- [ ]: Patch User