

SPRINT-I

Setting up Application Environment

Nutrition API Account Creation

Date	5 November 2022
Team ID	PNT2022TMID07434
Project Name	Nutrition Assistant Application

Create An Account In Nutrition API:

In IBM Project workspace there is a website link is there to create an account in the Nutrition API using those resources we have created an account in Nutrition API.

Short Note About Nutrition API (From Resources):

The spoonacular Nutrition, Recipe, and food API allows you to access over 365,000 recipes and 86,000 Food products. Our food ontology and semantic recipe search engine makes it possible to search for recipes using natural language queries, such as "gluten free brownies without sugar" or "low fat vegan cupcakes." You can automatically calculate the nutritional information for any recipe, analyze recipe costs, visualize ingredient lists, find recipes for what's in your fridge, find recipes based on special diets, nutritional requirements, or favourite ingredients, classify recipes into types and cuisines, convert ingredient amounts, or even compute an entire meal plan. With our powerful API, you can create many kinds of food and especially nutrition apps.

Special diets/dietary requirements currently available include: vegan, vegetarian, pescetarian, gluten free, grain free, dairy free, high protein, low sodium, low carb, Paleo, Primal, ketogenic, FODMAP, and Whole 30.

Here is the Screenshot given Below:

The screenshot displays the RapidAPI interface for the 'Recipe - Food - Nutrition' API. The top navigation bar includes links for 'Create Team', 'Add Your API', 'Docs', 'Log In', and 'Sign Up'. The API details section shows a popularity score of 9.8/10, a latency of 676ms, and a service level of 100%. The 'Endpoints' tab is selected, showing a list of endpoints with the 'GET Search Recipes' endpoint highlighted. The 'Code Snippets' tab is also visible, showing a code snippet for using the API with Axios. The 'Results' tab is currently empty.

Recipe - Food - Nutrition API Documentation

The spoonacular Recipe - Food - Nutrition API gives you to access to thousands of recipes, storebought packaged foods, and chain restaurant menu items. Our food ontology and semantic recipe search engine makes it possible to search for recipes using natural language queries, such as "gluten free brownies without sugar" or "low fat vegan cupcakes." You can automatically calculate the nutritional information for any recipe, estimate recipe costs, visualize ingredient lists, find recipes for what's in your fridge, find recipes based on special diets, nutritional requirements, or favorite ingredients, classify recipes into types and cuisines, convert ingredient amounts, or even compute an entire meal plan. With our powerful API, you can create many kinds of food and nutrition apps.

Special diets/dietary requirements currently available include: vegan, vegetarian, pescetarian, gluten free, grain free, dairy free, high protein, low sodium, low carb, Paleo, Primal, ketogenic, and more.

Endpoints

- GET Search Recipes**

Search through thousands of recipes using advanced filtering and ranking. NOTE: Since this method combines searching by query, by ingredients, and by nutrients into one endpoint,

Code Snippets

```
(Node.js) Axios
const axios = require("axios");
```

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rapidapi.com/spoonacular/api/recipe-food-nutrition/

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RapidAPI Search for APIs

Create Team Add Your API Docs Log In Sign Up

Recipe - Food - Nutrition FREEMIUM Verified

Endpoints About Tutorials Discussions Pricing

GET Search Recipes
GET Search Recipes (Deprecated)
GET Search Recipes Complex (Deprecated)
GET Search Recipes by Nutrients
GET Search Recipes by Ingredients
GET Get Recipe Information
GET Get Recipe Information Bulk
GET Get Similar Recipes
GET Get Random Recipes
GET Autocomplete Recipe Search
GET Taste by ID
GET Equipment by ID

and ranking. NOTE: Since this method combines searching by query, by ingredients, and by nutrients into one endpoint, each request counts as 3 requests.

Request URL rapidapi.com REQUIRED

Header Parameters

X-RapidAPI-Key SIGN-UP-FOR-KEY REQUIRED

X-RapidAPI-Host spoonacular-recipe-food-nutrition-v1.p.rapidapi.com REQUIRED

```
const axios = require("axios");

const options = {
  method: 'GET',
  url: 'https://spoonacular-recipe-food-nutrition-v1.p.rapidapi.com/recipes/complexSearch',
  params: {
    query: 'pasta',
    cuisine: 'italian',
    excludeCuisine: 'greek',
    diet: 'vegetarian',
    intolerances: 'gluten',
    equipment: 'pan',
    includeIngredients: 'tomato,cheese',
    excludeIngredients: 'eggs',
    type: 'main course',
    instructionsRequired: 'true',
    fillIngredients: 'false',
    addRecipeInformation: 'false',
    titleMatch: 'Crock Pot',
    maxReadyTime: '20',
    ignorePantry: 'true',
    sort: 'calories',
    sortDirection: 'asc',
  },
}
```

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Endpoints About Tutorials Discussions Pricing

GET EXTRACT RECIPE FROM WEBSITE
POST Analyze Recipe
GET Summarize Recipe
POST Analyze Recipe Instructions
POST Classify Cuisine
GET Analyze a Recipe Search Query
GET Guess Nutrition by Dish Name

> Ingredients
> Products
> Menu Items
> Meal Planning

maxSelenium 100
NUMBER OPTIONAL The maximum number of micrograms of selenium the recipe can have.

minSodium 0
NUMBER OPTIONAL The minimum number of milligrams of sodium the recipe must have.

maxSodium 100
NUMBER OPTIONAL The maximum number of milligrams of sodium the recipe can have.

minSugar 0
NUMBER OPTIONAL The minimum number of grams of sugar the recipe must have.

```
maxIodine: '100',
minIron: '0',
maxIron: '100',
minMagnesium: '0',
maxMagnesium: '100',
minManganese: '0',
maxManganese: '100',
minPhosphorus: '0',
maxPhosphorus: '100',
minPotassium: '0',
maxPotassium: '100',
minSelenium: '0',
maxSelenium: '100',
minSodium: '0',
maxSodium: '100',
minSugar: '0',
maxSugar: '100',
minZinc: '0',
maxZinc: '100',
offset: '0',
number: '10',
limitLicense: 'false',
ranking: '2'
},
headers: {}
}
```

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