

# Submission Worksheet

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IT202-452-M2024 - [IT202] Module 5 Project Prep API Research 2024

## Submissions:

Submission Selection

1 Submission [active] 6/24/2024 7:59:21 PM

## Instructions

^ COLLAPSE ^

Overview video: <https://youtu.be/FPn8KnnJlw8>

For your semester project, you'll be building an application of your choice with the requirement of getting and using data from an API.

This little homework assignment is to get you thinking about your choice before we finish Milestone 1.

Milestone 2 and beyond will be generic requirements that all project options must follow but with their own respective API data and goals.

Even if the Milestones don't 100% match your vision, ensure you still attempt to follow them as closely as possible, even if your vision has other required features not asked for.

1. Create a new branch for this assignment's output file
2. You may need/want to make a placeholder file to add/commit/push so you can open your pull request early
3. Visit <https://rapidapi.com/collections> and find a valid API for your project
4. Things to look for
  2. API is active/works
  3. API is free
  4. Note the quota and whether limits are hard or soft
  5. API has relevant data you can fetch/pull
    6. Exclusions (not an exhaustive list): GPT/LLVM model/AI, memes, weather, data with minimal properties
    7. Safer Examples: cars, food, restaurants/businesses, real estate, products, sports, etc
  6. Ensure the choice is college-friendly and legal
5. Review the documentation of your chosen API and understand what data it offers, its usage

5. Review the documentation of your chosen API and understand what data it offers, it's your responsibility to ensure it has what you need for your project vision as this choice won't easily be changed later
6. You don't need to use the data at face value, you can do something fun/interesting with it like I will for my project (i.e., using the data for game mechanics)
7. Milestone Overviews
  8. Milestone 2 will typically have the standard CRUD operations for the data provided by the API
  9. Milestone 3 will typically require the data to be associated with a user in some form or another, keep this in mind when thinking about your project scope
  10. **Note:** You'll only be fetching data from the API, the goal is to work with your application data only which will be a mix of API entities and user-generated entities of the same type
8. Fill in the below deliverables
9. Grab the exported PDF at the end and add it to your local repository
10. Add/commit/push the completed file to this branch
11. Merge the pull request to dev
12. Create and Merge a pull request from dev to prod
13. Upload the output PDF to Canvas
14. Locally checkout dev
15. Pull the latest changes so you're up to date for a future branch

**Branch name:** Project-API-Research

Tasks: 5 Points: 10.00

 API (8 pts.)


^COLLAPSE ^



^COLLAPSE ^

Task #1 - Points: 1

Text: Provide a link to the API's page/documentation

 Details:

Link should be from rapidapi.com or directly from the API's provider

URL #1

<https://rapidapi.com/edamam/api/edamam-food-and-grocery-database>



^COLLAPSE ^

Task #2 - Points: 1

Text: Explain what data you'll be using from the API and how you plan to use it in the project

#1) Mention what data and properties of the data you plan to use from the API (likely won't be all in some cases)



**Explanation (required)** ✓

*Response*

PREVIEW RESPONSE

I believe the data and properties I will be using are ingredients, quantity, qualifiers, and foodId, but it is difficult to understand the api data properties on rapidapi.com for this api. But I do know how I am going to go about the project. I plan to use the parser to search for and filter meals based on user input (like excluding certain allergens, which is an option for the parser). The nutrient access points can then provide the nutrient info for the meal contents.

#2) How do you plan to utilize the data for the scope of your project? What's your goal/vision?



**Explanation (required)** ✓

*Response*

PREVIEW RESPONSE

I plan to develop a meal planning app for the user. The user can input any requirements they have and a meal plan will be generated. However, this might need to be adjusted to allowing the user an easier way to generate and store meal plans instead of the app generating one. The description of the API makes it seem like the API can generate recipes, but it also seems to require the user to input an ingredient/recipe name to search.

#3) Mention all the API routes/endpoints you intend to use and what criteria will be required for them if any (beyond the API key)



**Explanation (required)** ✓

*Response*

PREVIEW RESPONSE

This API only has three endpoints, the parser, nutrients, and autocomplete. I plan to use all of these based on my descriptions above. This means I will need to provide a textbox for the user to search recipes or ingredients, as well as inputs for the allergens, vitamins, calories, etc. the user might want to exclude.



^COLLAPSE ^

Task #3 - Points: 1

Text: API Info

#1) Provide details about the quota (quantity, hard/soft, refresh time, extra costs, etc)



**Explanation (required)** ✓

*Response*

Response

 PREVIEW RESPONSE

The request limit is 1,000 / Day as a hard limit. The rate limit is 50 requests per minute.

#2) What limitations do you need to keep in mind when interacting with the API?



**Explanation (required)** ✓

*Response*

 PREVIEW RESPONSE

The issue with the user needing to input an ingredient/recipe name. This should become more clear when I work with the API, but for right now, I am not sure if a recipe can be generated based on nutrition requirements alone.



Misc (2 pts.)


^COLLAPSE ^



^COLLAPSE ^

Task #1 - Points: 1

Text: Pull request for this assignment

 Details:

Should end in /pull/#

URL #1

<https://github.com/m-sansone/mrs43-IT202-452/pull/33>



^COLLAPSE ^

Task #2 - Points: 1

Text: General Prompts (see checklist, copy/paste the prompts into the submission)

#1) Have you ever worked on consuming an API? If so, briefly explain.



**Explanation (required)** ✓

*Response*

 PREVIEW RESPONSE

I have never worked on a project involving APIs before.

#2) Have you ever created an API that was consumed by your own application or consumed by other people?



**Explanation (required)** ✓

*Response*

 PREVIEW RESPONSE

I have never created an API to my knowledge.

#3) Do you have any other alternative API choices in mind in case this doesn't work out? List them if you do. (Note: it's a good idea to have a backup)



**Explanation (required)** ✓

*Response*

 PREVIEW RESPONSE

I have also considered a translator app to help users learn a new language by introducing new phrases. This would use the api <https://rapidapi.com/gatzuma/api/deep-translate1>.

End of Assignment