

# Submission Worksheet

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<https://learn.ethereallab.app/assignment/IT202-008-S2024/it202-project-prep-api-research-2024/grade/lm457>

IT202-008-S2024 - [IT202] Project Prep API Research 2024

## Submissions:

Submission Selection

1 Submission [active] 3/25/2024 9:05:14 PM

## Instructions

^ COLLAPSE ^

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.

Create a new branch for this assignment's output file  
You may need/want to make a placeholder file to add/commit/push so you can open your pull request early  
Visit <https://rapidapi.com/collections> and find a valid API for your project

- Things to look for
  - API is active/works
  - API is free
  - Note the quota
  - API has relevant data you can fetch/pull (something like a GPT/LLVM model/AI integration, memes, weather likely won't fulfill the requirements as a valid API choice, look for things that have a decent number of properties)
  - Examples: cars, food, restaurants/businesses, real estate, products, sports, etc
- Ensure the choice is college-friendly and legal
- 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
  - 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
- The Milestones beyond Milestone 1 will typically have the standard CRUD operations for the data provided by the API, later Milestones 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
  - 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
- Fill in the below deliverables
  - Grab the exported PDF at the end and add it to your local repository
  - Add/commit/push the completed file to this branch
  - Merge the pull request to dev
  - Create and Merge a pull request from dev to prod
  - Upload the output PDF to Canvas
  - Locally checkout dev
  - 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 ^

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/ptwebsolution/api/tourist-attraction/>

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

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Clearly mention the data/entities to be used from the API
<input type="checkbox"/> #2	1	Clearly mention how the data will be used in the scope of the project. What's your goal/vision?
<input type="checkbox"/> #3	1	Include the API routes you intend to invoke for this information (most API's will require the usage of a few endpoints to gather all the necessary data)

Response:

As of right now, I plan on using this API dataset to essentially create a tour guide for travelers. Based on user input, I hope to deliver relevant output such as popular attractions, historical sites, natural landmarks, museums, etc, with detailed insights into the significance and relevance of the places. I will be making use of the existing location\_id, language, and currency columns in the dataset in tandem with my own additions such as landmark description, historical context/significance, to-do lists for activities, etc, to provide the end user with a highly polished and thorough travel experience. I intend to invoke the GET currencies, languages, as well as POST search, details, and review routes for pulling all information that suits my needs for this project. The POST photos route will be avoided due to the complexities involved in implementing image data.



### Task #3 - Points: 1

Text: API Info

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Mention what the quota is for your chosen API and how frequently it refreshes if at all (we're aiming to keep things free)
<input type="checkbox"/> #2	1	Mention any other limitations or things to keep in mind while interacting with the API

Response:

Quota: 100 Requests/Month

Rate Limit: 1000 requests/hour

The API has a hard limit, so the cutoff will be strictly enforced.



Misc (2 pts.)



### Task #1 - Points: 1

Text: Pull request for this assignment

#### Details:

Should end in /pull/#

URL #1

<https://github.com/Kith07/spring2024-IT202/pull/26>



### Task #2 - Points: 1

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

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Have you ever worked on consuming an API? If so, briefly explain.
<input type="checkbox"/> #2	1	Have you ever created an API that was consumed by your own application or consumed by other people?
<input type="checkbox"/> #3	1	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)

Response:

No, prior to this class, I've never interacted with APIs apart from hearing about them as a buzzword. Hence, I've never created an API that was consumed either. Aside from that, I do indeed have alternative API choices as backups if my initial selection doesn't work out as intended.

Backup #1: <https://rapidapi.com/UnitedAPI/api/kickstarter2/>

Backup #2: <https://rapidapi.com/carbonandmore-carbonandmore-default/api/carbonfootprint1>

Backup #3: <https://rapidapi.com/insidebnb-team-insidebnb-team-default/api/airbnb-listings/>

End of Assignment