

Submission Worksheet

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<https://learn.ethereallab.app/assignment/IT202-450-M2024/it202-module-5-project-prep-api-research-2024/grade/mm2849>

IT202-450-M2024 - [IT202] Module 5 Project Prep API Research 2024

Submissions:

Submission Selection

1 Submission [active] 6/24/2024 12:38:00 AM

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 ^



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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/datascraper/api/us-real-estate>



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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



Explanation (required)



Response

PREVIEW RESPONSE

The data and properties I intend to use for the API will be Location, For Sale, and For Rent.

#2) How do you plan to utilize the



Explanation (required)



Response

PREVIEW RESPONSE

I would use the location to find houses or apartments in the user's preferred location. The For Sale will be used to locate residences for sale in a given location. The For Rent feature will be used to locate an apartment that is available for rent. My goal for this project is to create a website that allows buyers to search homes or apartments for sale or rent in their desired location.

#3) Mention all the API routes/endpoint



Explanation (required)



Response

PREVIEW RESPONSE

I would use String data for the API route to find the buyer's location, house for sale, or apartment for rent.



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Task #3 - Points: 1

Text: API Info

#1) Provide details about the quota



Explanation (required)



Response

PREVIEW RESPONSE

The quota receives 300 quantity requests per month. If this number exceeds it, I will have to pay up for the pro subscription, which includes 5000 requests each month.

#2) What limitations do you need



Explanation (required)



Response

PREVIEW RESPONSE

I'll need to stay under the 300-request limit per month.



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/mm2849/mm2849-IT202-450/pull/12>



^COLLAPSE ^

Task #2 - Points: 1

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

#1) Have you ever worked on



Explanation (required)



Response

 PREVIEW RESPONSE

No, I've never worked on consuming an API before.

#2) Have you ever created an API that



Explanation (required)



Response

 PREVIEW RESPONSE

No, I have never created an API that was consumed by my own application or consumed by other people.

#3) Do you have any other



Explanation (required)



Response

 PREVIEW RESPONSE

An alternative API choice would be Soccer Football Info.

End of Assignment