# Submission Worksheet

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https://learn.ethereallab.app/assignment/IT202-007-F2024/it202-module-5-project-prep-api-research-2024/grade/mcp62

Course: IT202-007-F2024
Assigment: [IT202] Module 5 Project Prep API Research 2024
Student: Michael P. (mcp62)

Submissions:

Submission Selection

1 Submission [submitted] 10/28/2024 11:50:08 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

6. Ensure the choice is college-friendly and legal
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

Group


Group: API
Tasks: 3
Points: 8

COLLAPSE

Task


Group: API
Task #1: Provide a link to the API's page/documentation
Weight: ~33%
Points: ~2.67

COLLAPSE

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

## Task URLs

URL #1
https://rapidapi.com/mgujjargamingm/api/linkedin-bulk-data-scraper/playground/apiendpoint_eee12490-a5e8-4567-00e726fd3f03

URL
https://rapidapi.com/mgujjargamingm/api/linked

End of Task 1

Task

100%

Group: API
Task #2: Explain what data you'll be using from the API and how you plan to use it in the project
Weight: ~33%
Points: ~2.67

COLLAPSE

Columns: 1

Sub-Task

100%

Group: API
Task #2: Explain what data you'll be using from the API and how you plan to use it in the project
Sub Task #1: Mention what data and properties of the data you plan to use from the API (likely won't be all in some cases)

## Task Response Prompt

*Response*

Response:

I will be using the linkedin bulk data API, I am quite excited to use this as it could be very useful to students like myself looking to obtain new jobs. Even though right now im still brainstorming the combination of GET req under "similar profiles" and "company employees" I can do some kind of comparision between data to find what companys are specifically looking for when hiring, additionally it can be used to easily show relavent information while looking for place to apply in one organized place.

Sub-Task

100%

Group: API
Task #2: Explain what data you'll be using from the API and how you plan to use it in the project
Sub Task #2: How do you plan to utilize the data for the scope of your project? What's your goal/vision?

## Task Response Prompt

*Response*

Response:

As mentioned slighlty above I plan on using their extensive bulk data to draw some conclusions on what companies are looking for by comparing employee profiles with other profiles belonging to a focused demographic like the relationship between similar student-belonging profiles with comany-employee employee profiles. If this is too far out of scope I can always take a step back and broaden how intensivly im using the api. another option could just being to display relevant data at a glance to reduce uneffective browsing.

Sub-Task

Group: API

100%
Task #2: Explain what data you'll be using from the API and how you plan to use it in the project
Sub Task #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)

## Task Response Prompt

*Response*

Response:

So as i read more about what the end point criteria is, almost all of them will require a profile URL and will output data as it coresponds with the endpoint like /profile, /education, /skills, /recommendations, etc. There are also ways to query bulk info on job, and there is a POST search people with filters that takes no params if you wanted it to just grab the first 10 people on a page so hypthetically that could be used to gain urls for a quick way to gain a relevant sample of data to do comparision on. Regardless I will use these endpoints as a way to inform the user on relevant informaiton likely on job hunting/profile tips.

End of Task 2

Task

100%

Group: API
Task #3: API Info
Weight: ~33%
Points: ~2.67

COLLAPSE

Columns: 1

Sub-Task

100%

Group: API
Task #3: API Info
Sub Task #1: Provide details about the quota (quantity, hard/soft, refresh time, extra costs, etc)

## Task Response Prompt

*Response*

Response:

There is a free version that is 150 REQ a month hard limit, the rate limit is 1000 req per hour but as mentioned on the site.... "This scraper can scape 50 linkedin person profiles / 50 linkedin company profiles in 1 go. For best performace, donnot excced 25 links in 1 API call." Meaning as long as im careful I can store my searches and accumulate a decent amount of data on each call.

Sub-Task

100%

Group: API
Task #3: API Info
Sub Task #2: What limitations do you need to keep in mind when interacting with the API?

## Task Response Prompt

*Response*

Response:

I need to keep in mind my monthly calls being 150, despite being a good amount not having a solid plan could easily

go to wasting alot of these calls very fast, the data being pulled per each call is likely going to be very dense in informaiton so focusing on data regarding profile urls, skills, and possibly parsing through descritions for key words will likely be much more effective than buring up api calls on there own built in "similar profiles endpoint req"

End of Task 3

End of Group: API
Task Status: 3/3

Group

100%

Group: Misc
Tasks: 2
Points: 2

COLLAPSE

Task

100%

Group: Misc
Task #1: Pull request for this assignment
Weight: ~50%
Points: ~1.00

COLLAPSE

Details:
Should end in /pull/#

## Task URLs

URL #1
https://github.com/Onervv/mcp62-IT202-007/pull/25

URL
https://github.com/Onervv/mcp62-IT202-007/pul

End of Task 1

Task

100%

Group: Misc
Task #2: General Prompts (see checklist, copy/paste the prompts into the submission)
Weight: ~50%
Points: ~1.00

COLLAPSE

Columns: 1

Sub-Task

Group: Misc
Task #2: General Prompts (see checklist, copy/paste the prompts into the submission)

100%

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

## Task Response Prompt

*Response*

Response:

I have never worrked on an api, before doing this assignemnt I looked up a few videos and started to come up with a perception of how and why they are used, there is likely a lot more use cases but i will learn more as a go and start interacting with differnet ones.

Sub-Task

100%

Group: Misc
Task #2: General Prompts (see checklist, copy/paste the prompts into the submission)
Sub Task #2: Have you ever created an API that was consumed by your own application or consumed by other people?

## Task Response Prompt

*Response*

Response:

I have not ever created an api that ive used or other poeple have used, but i know in our daily life we interact with many api's common ones being LLMS and weather apps.

Sub-Task

100%

Group: Misc
Task #2: General Prompts (see checklist, copy/paste the prompts into the submission)
Sub Task #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)

## Task Response Prompt

*Response*

Response:

looking through other api's some of the video gaming data intrigued me however i felt like they would be more "just for fun" concepts rather have a practical use, despite this one that i really liked was a chess api on millions of chess puzzles and their moves, but i feel like that would be very difficult to interact with that in a practical manner. I could always consider another large bulk data set api such as popular food recipies.

End of Task 2

End of Group: Misc
Task Status: 2/2

End of Assignment