Submission Worksheet

CLICK TO GRADE

Course: IT202-007-F2024
Assigment: [IT202] Module 5 Project Prep API Research 2024
Student: Omar B. (ob75)

Submissions:

Submission Selection

1 Submission [submitted] 11/5/2024 10:11:06 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

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

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Branch name: Project-API-Research

Group

100%

Group: API
Tasks: 3
Points: 8

∧ COLLAPSE ∧

Task

100%

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

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
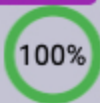Weight: ~33%
Points: ~2.67

˄ 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 plan to use the search artist data from the api to look for the user's list of artist that they've listened to and list the most listened artists. It would be able to show each user's top artist in their respective pages.

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:

> I plan to use the data to be able show each user's list of their top 10 artist and give them their top songs from any artist so that the user can see what they have been listening to the most. If more time is spent on each song or on a specified arstist, then that artist would get bumped up in the listing of their top artist and same with songs. The list of users will show their top song and artist for others users to see what the user has been listening to the most.

Sub-Task
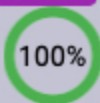
⬤ 100%

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 #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

I will be using the Search endpoint which will be able to search the artist name in user's list. The criteria that would be needed would be query (query parameter, required): The artist's name or query string. And the other is limit (query parameter, optional): Limit the number of results (default: 10).
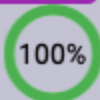
End of Task 2

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:

The subscription to the api is free and allows for 100 request a month as a hard limit. The rate limit is 1,000 request per hour. There is about 1593ms Latency.

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:

Some things to consider for this api is the amount of request being made since there is a hard limit on 100 per month and exceeding that limit would be a problem. There is also the consideration for how many artist are included in this api and maybe sometime some newer artist are not always in the data to be grabbing data from so searches for certain artist that are newer may not work. Lastly, its important to note that how each artist can change in terms of a users favorite artist or top artist and what is the criteria for that to change.

End of Task 3

End of Group: API

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/OmarBarrera1/ob75-IT202-007
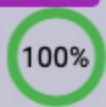https://github.com/OmarBarrera1/ob75-IT202-007/pull/24

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

100%

Group: Misc
Task #2: General Prompts (see checklist, copy/paste the prompts into the submission)
Sub Task #1: Have you ever worked on consuming an API? If so, briefly explain.

≡, Task Response Prompt

Response
Response:

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

No, I have never worked on consuming an API but from what I've seen so far, it grabs data from a list of associative arrays of specific data wanting to be used and to use that data for what ever is desired to be done with that data.

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:

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

One time that I may have created an API but no sure of is maybe when I created a java application in which users are able to communicate with each other via a chatroom and were able to login and out while still containing data of people they were talking to or not talking to.

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:

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)

The other additional api in case this does not work out would be soccer api: https://rapidapi.com/soccerfootball-info-soccerfootball-info-default/api/soccer-football-info/playground/apiendpoint_c6020c0a-9773-499f-bc5d-81c49ed25ee2

One more would be netflix catalog api: https://rapidapi.com/unogs/api/unogs/playground/apiendpoint_7088de538a785a8790-

End of Task 2

End of Group: Misc
Task Status: 2/2

End of Assignment