Submission Worksheet

CLICK TO GRADE

https://learn.ethereallab.app/assignment/IT202-007-F2024/it202-module-5-project-prep-api-research-2024/grade/db624

Course: IT202-007-F2024
Assigment: [IT202] Module 5 Project Prep API Research 2024
Student: Datha V. (db624)

Submissions:

Submission Selection

1 Submission [submitted] 10/28/2024 10:11:48 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, 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/asusalman986/api/games-details

URL
https://rapidapi.com/asusalman986/api/games-c

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:

Search, Page number- Used to get a list of games for a search query

Game details- Used to provide an overview of the video game

Requirements- Used to provide information on minimum hardware and software requirements

Tags- Used to give info on game's genre and for filtering

About game- Give users a summary of the game

Screenshots, Videos, Artworks- Serve users media such as trailers to provide them a feel for the game

MostRecent, TopRated, Funny reviews- Provide users game reviews so they can decide if they want to purchase the game or not

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:

For this project, my vision is to create a website where users can keep track of the steam games they own and browse for new games. I will use the games-details API to allow the user to search for games, and mark them as

owned or wishlist. The user should also be able to see information on the games such as overviews, tags, reviews, and trailers. The user should also have the option to filter their search results via the tags. I will use the API endpoints mentioned in the previous question to obtain the needed data from Steam.

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

Response

Response:

Search- string for search query

Page_no- string for page number

Game Details, Requirements, Tags, About Game- These 4 endpoints need a string for game id

Screenshots, Videos, Artworks- All 3 need a limit parameter to specify max number of results returned, offset, and game id

MostRecent reviews, TopRated reviews, Funny reviews- All 3 need a limit parameter to specify max number of results returned, offset, and game id

None of these endpoints need any further authorization

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 soft limit of 1,000 requests a month. I will be charged $0.01 for further requests upon exceeding that limit. There is a rate limit of 60 requests per minute.

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 that I can only use 1,000 requests a month, and cannot exceed a rate of 60 requests per minute. As a result, I should ensure that I only use as many API calls as necessary. I could also store common API endpoint results so that I don't need to constantly make API calls for data.

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/Dathster/db624-it202-007/pull/23

URL
https://github.com/Dathster/db624-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

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:

I have worked with the Spotify and YouTube APIs before. For these APIs, I also had to use OAuth authorization because I was accessing private info of users. I used different endpoints on spotify to access the user's playlist and get all the songs. I then interacted with the YouTube API to search for songs and add them into a playlist.

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 created any APIs before.

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:

https://rapidapi.com/movie-of-the-night-movie-of-the-night-default/api/streaming-availability/playground/apiendpoint_14b2f4b9-8801-499a-bcb7-698e550f9253

End of Task 2

End of Group: Misc
Task Status: 2/2

End of Assignment