Submission Worksheet

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

Submissions:

Submission Selection
1 Submission [active] 3/24/2024 3:16:13 PM

Instructions

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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
    1. Things to look for
    2. API is active/works
    3. API is free
    4. Note the quota
    5. 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)
        1. Examples: cars, food, restaurants/businesses, real estate, products, sports, etc
    6. Ensure the choice is college-friendly and legal
4. 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
    1. 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
5. 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
    1. 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
6. Fill in the below deliverables
7. Grab the exported PDF at the end and add it to your local repository
8. Add/commit/push the completed file to this branch
9. Merge the pull request to dev
10. Create and Merge a pull request from dev to prod
11. Upload the output PDF to Canvas
12. Locally checkout dev
13. Pull the latest changes so you're up to date for a future branch

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

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API (8 pts.)

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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://pokeapi.co/

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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

Checklist *The checkboxes are for your own tracking

#	Points	Details
#1	1	Clearly mention the data/entities to be used from the API
#2	1	Clearly mention how the data will be used in the scope of the project. What's your goal/vision?
#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:

Since the PokeAPI includes all Pokemon related data, I wanted to use this API to make a Pokemon-themed trivia quiz. More like a "Who's that Pokemon?" type of quiz. I would be using the endpoint https://pokeapi.co/api/v2/pokemon?limit=150, which will retrieve 150 different pokemons. The images would be coming from the sprites in the endpoint, and the names/species would also be coming from this endpoint.

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Task #3 - Points: 1

Text: API Info

Checklist *The checkboxes are for your own tracking

#	Points	Details
#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)
#2	1	Mention any other limitations or things to keep in mind while interacting with the API

Response:

PokeAPI is completely free to use after looking at it. I don't think there's a quota, but there are data rate limits that prevents any sort of abuse and it ensures fair usage. There's a few limitations I'd have to keep in mind when using PokeAPI. The main one being the rate limits that I just mentioned, so I have to be careful of not exceeding those limits. Another would be the data completeness, and keeping in mind that some data may not be up-to-date or available as generations of pokemons continue to be developed to this day. Other limitations would be response times, versioning, and data usage. I'd also have to follow the rules and guidelines they have set in place, but since this is a project for class and not for any commercial use, I don't think I have much to worry about.

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Misc (2 pts.)

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Task #1 - Points: 1

Text: Pull request for this assignment

Details:
Should end in /pull/#

URL #1

https://github.com/TiaraJenks/tlj3-it202-008/pull/21

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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
#1	1	Have you ever worked on consuming an API? If so, briefly explain.
#2	1	Have you ever created an API that was consumed by your own application or consumed by other people?
#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:

I've never used an API before, nor have I ever worked on consuming one. This is my very first time working with it. Although its a bit nerve-wrecking getting into it, I'm very excited to learn how to use it. I do have another API choice in mind that's trivia related, but it just includes basic trivia questions. If the whole trivia idea doesn't pan out well, I was going to use a basketball API and make a website where people can look up teams, game scores, team players, and their stats.

End of Assignment