

Submission Worksheet

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

Submissions:

Submission Selection

1 Submission [active] 3/19/2024 2:39:41 PM

Instructions

^ COLLAPSE ^

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.

Create a new branch for this assignment's output file

You may need/want to make a placeholder file to add/commit/push so you can open your pull request early

Visit <https://rapidapi.com/collections> and find a valid API for your project

Things to look for

API is active/works

API is free

Note the quota

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)

Examples: cars, food, restaurants/businesses, real estate, products, sports, etc

Ensure the choice is college-friendly and legal

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

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

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

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

Fill in the below deliverables

Grab the exported PDF at the end and add it to your local repository

Add/commit/push the completed file to this branch

Merge the pull request to dev

Create and Merge a pull request from dev to prod

Upload the output PDF to Canvas

Locally checkout dev

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 ^

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/amrelrafie/api/movies-tv-shows-database/>

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 |
|-----------------------------|--------|--|
| <input type="checkbox"/> #1 | 1 | Clearly mention the data/entities to be used from the API |
| <input type="checkbox"/> #2 | 1 | Clearly mention how the data will be used in the scope of the project. What's your goal/vision? |
| <input type="checkbox"/> #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:

The data that I will be retrieving from the API is the title, movie images, popular/trending movies, and similar movies. My vision for this project is to create a TV show/ movie tracker. So a person can keep track of the movies/shows that they watched and they will get information about that movie from the API and then recommendations through it as well. They can also search for a movie and then information about it will be displayed. Something similar to the letterboxd website. The endpoints for movies that I would use are: Get Movie by ID, Get Movies By Title, Get Movie Images by ID, Get Popular Movies by Year, and Get Similar Movies. The ones for TV shows I would use are: Get by TV Series by ID, Get TV Series by Title, Get TV Series Images by ID, Get Trending TV Shows, Get Similar TV Shows, and GET TV Series Episodes by Series ID, Season Number.

Task #3 - Points: 1

Text: API Info

Checklist

*The checkboxes are for your own tracking

| # | Points | Details |
|-----------------------------|--------|--|
| <input type="checkbox"/> #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) |
| <input type="checkbox"/> #2 | 1 | Mention any other limitations or things to keep in mind while interacting with the API |

Response:

The quota for this API is 500 requests a month, and the refresh is 1000 requests per hour. If this ends up being an issue, I do have a backup API that has 1,000 requests a month, the only issue was that one only has information about movies and I wanted information about TV shows as well. Besides the request limit, a limitation this API could have is how broad the data is. It could get confusing to work with and filter, considering I have never worked with an API before. That's all I see as a limitation for now, but the main problem would be the request limit.

Misc (2 pts.)

Task #1 - Points: 1

Text: Pull request for this assignment

i Details:
Should end in /pull/#

URL #1

<https://github.com/jennatnguyen/JN426-IT202-008/pull/34>

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 |
|-----------------------------|--------|---|
| <input type="checkbox"/> #1 | 1 | Have you ever worked on consuming an API? If so, briefly explain. |
| <input type="checkbox"/> #2 | 1 | Have you ever created an API that was consumed by your own application or consumed by other people? |
| <input type="checkbox"/> #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 have never worked with APIs before, and neither have I created an API. However, I do have backup options for my current API. The alternatives are:

- <https://rapidapi.com/elisbushaj2/api/movies-api14/>
- <https://rapidapi.com/Glavier/api/imdb146/>
- <https://rapidapi.com/brian.rofiq/api/anime-db/>

End of Assignment