

Submission Worksheet

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

Submissions:

Submission Selection
1 Submission [active] 3/25/2024 10:08:00 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.

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
 1. API is active/works
 2. API is free
 3. 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
 7. 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
 8. 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
 9. 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
 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
 11. Fill in the below deliverables
 12. Grab the exported PDF at the end and add it to your local repository
 13. 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/Octapi/api/ikea-api>

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:

For my project, I will be using an (unofficial) Ikea API. The primary data/entities that will be used from the API include products, categories, stores, countries, and search functionality. This product data will be utilized to create product listings (that will contain essential information). These listings will populate the main shopping page of the website. I also plan to use the search functionality to allow users to find products based on specific keywords or within predefined categories. My goal is to essentially develop an online platform for furniture shopping, offer users a selection of furniture products, and allow them to search and browse those products. The API routes I intend to invoke for this information are "/product", "categories", "/stores", "/countries", "/keywordSearch", "/keywordFilter", "/categorySearch", "categoryFilter".

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:

For the API I have chosen, the quota for the "Basic" pricing plan is \$0.00 per month (free). This "Basic" plan also has 50 requests per month and a rate limit of 1000 requests per hour.

Misc (2 pts.)

Task #1 - Points: 1

Text: Pull request for this assignment

Details:

Should end in /pull/#

URL #1

<https://github.com/yaneliii/yc73-it202-008/pull/24>

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:

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

This is the first time I have ever heard about and looked at APIs, so I have not yet experienced consuming an API. Although I have no experience, I am interested in learning how to use it in my website.

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

Again, being that this is the first time I am learning about APIs, I have not created an API that has been consumed by my own application or consumed by other people.

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)

In case this "Ikea" API doesn't work out, I do have some alternative API choices in mind:

Zillow (<https://rapidapi.com/SwongF/api/zillow69>)

Realtor Base (<https://rapidapi.com/tvhaudev/api/realtor-base/>)

Apartments.com (<https://rapidapi.com/epctex-epctex-default/api/apartments-com1>)

Target (<https://rapidapi.com/apidojo/api/target1>)

End of Assignment