

# Submission Worksheet

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IT202-450-M2024 - [IT202] Module 5 Project Prep API Research 2024

## Submissions:

Submission Selection

1 Submission [active] 6/25/2024 10:32:03 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, its usage

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

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/DataCrawler/api/tripadvisor16>

 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

#1) Mention  
what data  
and



#### Explanation (required)



#### Response

PREVIEW RESPONSE

1. Destination Information:  
The name of the destination  
The coordinates of the destination.  
A brief description of the destination.  
A image or photo of the destination.  
The type of destination (city, landmark, attraction, etc).
2. Popular Attractions:  
The name of the attraction  
A description of the attraction.  
The coordinates of the attraction.  
Opening Hours  
An image of the attraction.  
The average rating given by visitors.  
User reviews and comments about the attraction.
3. Recommended Restaurants:  
The name of the restaurant

#2) How do  
you plan to  
utilize the



#### Explanation (required)



#### Response

PREVIEW RESPONSE

The goal for this project is to allow people to sign up to share their travel information in journals. its. like an instagram but for travelling. Users can document their trip but trip advisor api is what let's people know exactly where they are for insporation for thier next trips. So the user can create a journal based on the trip they take, they can use the api to get detailed info about the places they visit so they can document and add photos for ithers to see. the user can make it public or private and if public other users can like and comment on it.

#3) Mention  
all the API  
routes/endpoints



#### Explanation (required)



#### Response

PREVIEW RESPONSE

Destination Information Endpoint:  
Criteria: fetch detailed information about a specific destination, name, description, image, and coordinates.

Popular Attractions Endpoint:  
Criteria: fetch a list of popular attractions at a specific destination, name, description, image, and rating.

Recommended Restaurants Endpoint:  
Criteria: fetch a list of restaurants at a specific destination, name, cuisine type, image, and rating.

Top Hotels Endpoint:  
Criteria: fetch a list of top hotels at a specific destination, name, description, image, and price range.

The type of cuisine offered (French, Italian).  
The coordinates of the restaurant.  
Opening Hours  
An image of the restaurant.  
average rating given by customers.  
User reviews and comments about the restaurant.  
A link or brief description of the menu items.

4. Top Hotels:

The name of the hotel  
The geographical coordinates of the hotel.  
A brief description of the hotel and its amenities.  
An image of the hotel.  
average rating given by guests.  
User reviews and comments about the hotel.  
the price range (e., \$\$, \$\$\$).



^COLLAPSE ^

### Task #3 - Points: 1

Text: API Info

#1) Provide details about the quota



Explanation (required)

#2) What limitations do you need



Explanation (required)

✓  
*Response*

 PREVIEW RESPONSE

Requests  
50 / Month  
Hard Limit

Rate Limit  
1000 requests per hour

✓  
*Response*

 PREVIEW RESPONSE

rate limits , quota,  
response time, and data  
availability



Misc (2 pts.)

^COLLAPSE ^



Task #1 - Points: 1

Text: Pull request for this assignment

^COLLAPSE ^

 Details:

Should end in /pull/#

URL #1

<https://github.com/Ashrafmugallii/aam282-IT202-S450/pull/10>



Task #2 - Points: 1

Text: General Prompts (see checklist, copy/paste the prompts into the submission)

^COLLAPSE ^

#1) Have you  
ever worked  
on



Explanation (required)



*Response*

 PREVIEW RESPONSE

No I have not, i am  
working on that in it490

#2) Have you  
ever created  
an API that



Explanation (required)



*Response*

 PREVIEW RESPONSE

No i have never

#3) Do you  
have any  
other



Explanation (required)



*Response*

 PREVIEW RESPONSE

I do not at the moment

End of Assignment