Submission Worksheet

Submission Data

Course: IT202-450-M2025

Assignment: Milestone 2 API Testing

Student: Nathanael G. (ng569)

Status: Submitted | Worksheet Progress: 100%

Potential Grade: 10.00/10.00 (100.00%) Received Grade: 0.00/10.00 (0.00%) Started: 7/14/2025 3:48:40 AM Updated: 7/14/2025 10:12:15 PM

Grading Link: https://learn.ethereallab.app/assignment/v3/IT202-450-M2025/milestone-2-api-

testing/grading/ng569

View Link: https://learn.ethereallab.app/assignment/v3/IT202-450-M2025/milestone-2-api-testing/view/ng569

Instructions

- Overview Link: https://youtu.be/86v8Ak0E3XE
- Ensure you read all instructions and objectives before starting.
- Ensure you added your API choice to the Google doc shared on Canvas (selections must be unique, no two students can use the same exact API)
- 3. Create a new branch from Milestone2 called M7-Homework
 - git checkout Milestone2 (ensure proper starting branch)
 - 2. If you don't have Milestone2 yet, create it from Milestone1
 - 3. git pull origin Milestone2 (ensure history is up to date)
 - git checkout -b M7-Homework (create and switch to branch)
- 4. Follow the lesson from
 - Add testApi.php to your project folder
 - Immediately record to history
 - git add public_html
 - git commit -m "adding M7 HW baseline files"
 - git push origin M7-Homework
 - Create a Pull Request from M7-Homework to Milestone2 and keep it open
- Fill out the below worksheet
 - Ensure you add the UCID/Date and details comments as you work
 - Get the example working with your chosen API
- Once finished, click "Submit and Export"
- Locally add the generated PDF to a folder of your choosing inside your repository folder and move it to Github
 - 1. git add .
 - 2. git commit -m "adding PDF"
 - 3. git push origin M7-Homework
 - 4. On Github merge the pull request from M7-Homework to Milestone2
 - 5. On Github create and merge the pull request from Milestone2 to dev
 - On Github create a pull request from dev to prod and immediately merge. (This will trigger the prod deploy to make the Heroku prod links work)

and the part of

- 8. Upload the same PDF to Canvas
- Sync Local
 - 1. git checkout dev
 - 2. git pull origin dev
 - 3. git checkout Milestone2
 - 4. git pull origin Milestone2

Section #1: (2 pts.) Analyze Api Choice

Task #1 (0.40 pts.) - API Link

Progress: 100%

URL #1

https://rapidapi.com/BasedAPI/api/worl time-by-based-api

https://rapidapi.com/BasedA

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■ Task #2 (0.80 pts.) - Quota and Limitations

Progress: 100%

Your Response:

500 Requests/Month Hard Limit 1000 requests per hour



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=> Task #3 (0.80 pts.) - Goal Data

Progress: 100%

Details:

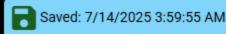
- Clearly note what type of data you'll be using
- Clearly note the specific properties you intend to use (it's likely not all of them)

Your Response:

This is the set of data given: datetime: 2025-07-14 03:54:19 timezone_name: Eastern Daylight Time" timezone_location:"America/New_York" timezone_abbreviation:"EDT" gmt_offset:-4 is_dst:true requested_location:"New York" latitude:40.7127281 longitude:-74.0060152

I will most likely be using datetime and gmt_offset for most of the time calculations, but I intend to use most of the timezone_name, timezone_location, timezone_abbreviation, requested_location, latitude and longitude, for the programs UI. This is because my project will be heavily rely on the users ability to enter their

location, which means if the user creates a syntax mistake (such as mispelling New York as "New Yrk") then the program has to be able to pick the error up. Plus, the closer the program is to being able to know where the user is the more accurate information the program can use. Then the datetime and gmt_offset will be used as a way to see when the best time to schedule plans, meetings, etc. will be.



Section #2: (6 pts.) Verify Api Choice

Progress: 100%

Progress: 100%

Details:

- · The code will need to be adjusted since your API differs from the one I chose
- You'll need to apply the API __env items to Heroku's config vars both dev and prod
- Be mindful of your API quota (may need to initially use a cached response until you get it working)

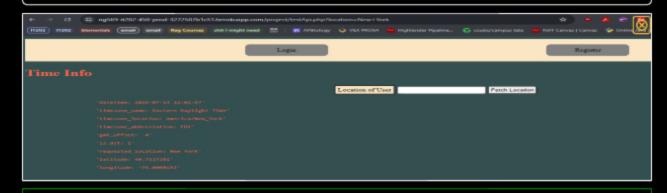
Part 1:

Progress: 100%

Details:

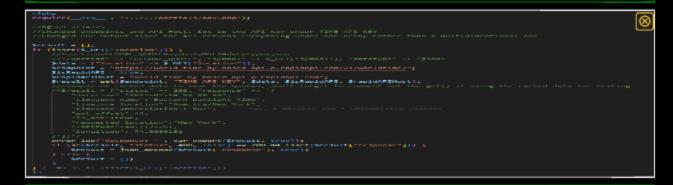
Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment) 2. Don't show any private details like the API key
- Full output of executing the testApi.php (visit the proper file on Heroku dev after a manual deploy)



Heroku Output

HTML&PHP Code



PHP Code



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Part 2:

Progress: 100%

Details:

- Direct link to the file in the homework related branch from Github (should end in _php)
- Direct link to the file on Heroku Prod (Just grab the base prod url and manually enter the path to the file)

URL #1

https://github.com/Nate-Gaw/ng569-



https://github.com/Nate-Gaw/ng5

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Homework/public_html/project/testApi.php



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=, Part 3:

Progress: 100%

Details:

Briefly explain what you needed to do in order to get this test working

Your Response:

I changed the API url refrencing links and added in a new API key under TIME_API_KEY. Then I added that into load_api_keys.php and added it to the .env file. I then modified the PHP output to display both the key and data since the API only returns a single array not a multidimensional

one.

Section #3: (2 pts.) Misc

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Progress: 100%

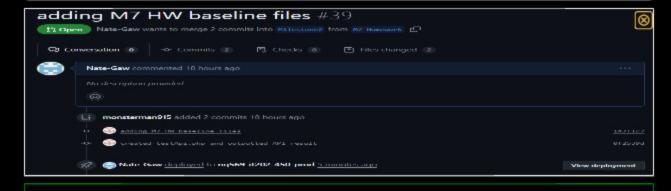
Progress: 100%

Part 1:

Progress: 100%

Details:

From the Commits tab of the Pull Request screenshot the commit history Following minimum should be present



GitHub Commit History



Part 2:

Progress: 100%

Details:

Include the link to the Pull Request (should end in /pull/#)

URL #1 https://github.com/Nate-Gaw/ng569- IT20204539

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Task #2 (0.67 pts.) - WakaTime - Activity

Progress: 100%

Details:

- · Visit the WakaTime.com Dashboard
- Click Projects and find your repository
- · Capture the overall time at the top that includes the repository name
- · Capture the individual time at the bottom that includes the file time
- Note: The duration isn't relevant for the grade and the visual graphs aren't necessary

Projects ng569-IT202-450

total 27 hrs 48 mirs

5 hrs 17 mins over the Last 7 Days in ng569-IT202-450 under all branches. 🗅

Total Wakatime



File Wakatime



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Progress: 100%

⇒ Task #1 (0.33 pts.) - What did you learn?

Progress: 100%

Details:

Briefly answer the question (at least a few decent sentences)

Your Response:

I learned about how API's work and how we can use PHP in order to call them. I

also learned a lot about mixing HTML, PHP, and API calls together to display and gather information needed from an API. I also learned how to handle PHP arrays and multidimentional ones.



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Task #2 (0.33 pts.) - What was the easiest part of the assignment?

Progress: 100%

Details:

Briefly answer the question (at least a few decent sentences)

Your Response:

The easiest part of the assignment was probably changing the output. So since the world clock api returns one array based on location, a lot of it wasn't needed to handle in case of a multidimentional array. Futhermore changing around the API Keys was easy enough as inserting a new one in.



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> Task #3 (0.33 pts.) - What was the hardest part of the assignment?

Progress: 100%

Details:

Briefly answer the question (at least a few decent sentences)

Your Response:

The hardest part was trying to get the API to cooperate with me. Initially I didn't really know what I was doing, but after some reading and looking, I figure out what I needed to do in order to correctly call from the API. Only issue im worried about is wasting the amount of API calls I have, since I only have 500 and I have already used around 10 from just trying to output the initial output.



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