Submission Worksheet

Submission Data

Course: IT202-450-M2025

Assignment: Milestone 2 API Testing

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Status: Submitted | Worksheet Progress: 100%

Potential Grade: 10.00/10.00 (100.00%) Received Grade: 0.00/10.00 (0.00%) Started: 7/20/2025 1:46:24 PM Updated: 7/21/2025 2:12:42 AM

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

testing/grading/may23

View Link: https://learn.ethereallab.app/assignment/v3/IT202-450-M2025/milestone-2-api-testing/view/may23

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 Milestone 2 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)

- 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%

https://rapidapi.com/twelve-c

URL #1

https://rapidapi.com/twelve-data1-

twelve-data-default/api/twelvedata1/playground/

apiendpoina20bf-07b608640f0298404e-

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

Progress: 100%

Your Response:

800 requests per day, 8 requests per minute.



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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:

I am using historical stock market data provided by the time_series endpoint of the Twelve Data API via RapidAPI. This data represents the performance of a publicly traded company's stock over time, returned in structured JSON format.

I am extracting, symbol, interval, start_date, end_date.

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

content) to test your chosen API

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:

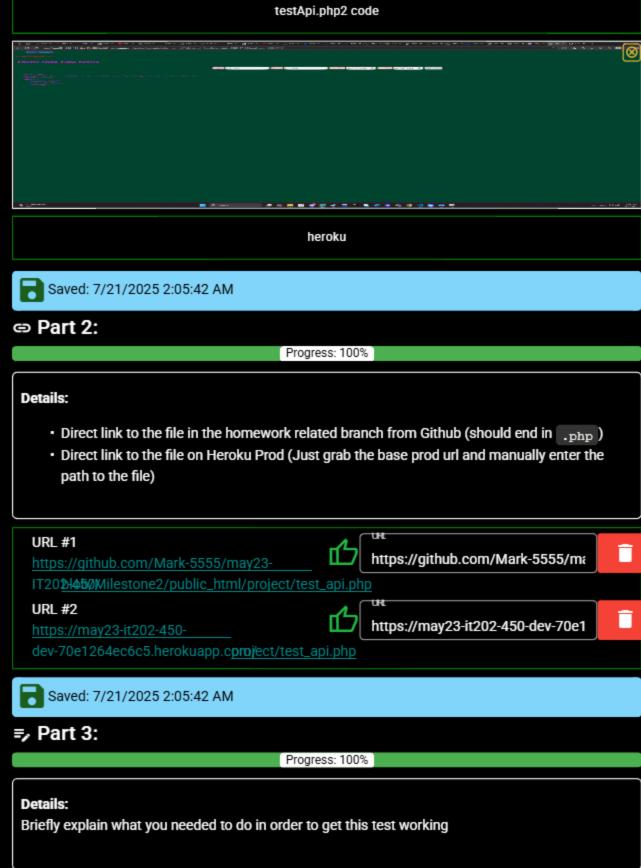
Progress: 100%

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)

testApi.php1 code



Your Response:

To get this test working, I first picked a reliable API with multiple parameters — the Twelve Data API via RapidAPI. I subscribed to the API, set up my API key using putenv, and used a helper get() function to handle the request with the correct headers. Then, I built a form to send the required query parameters (symbol, interval, start_date, end_date) and displayed the resulting time series data (open, high, low, close, volume) in a table. I also made sure to handle errors like 403 or 429 responses.

Section #3: (2 pts.) Misc

Progress: 100%

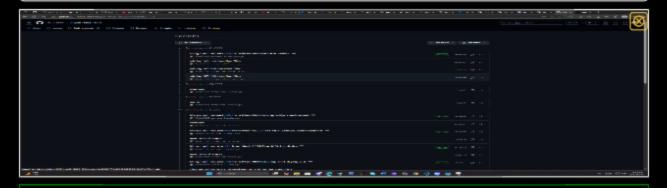
Progress: 100%

Part 1:

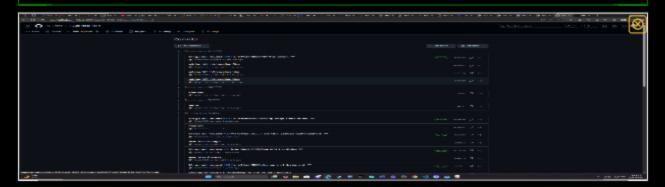
Progress: 100%

Details:

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



commits history



pull request



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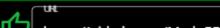
Part 2:

Progress: 100%

Details:

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

URL #1

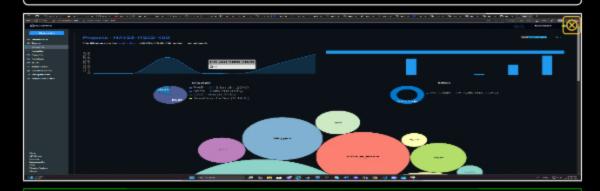




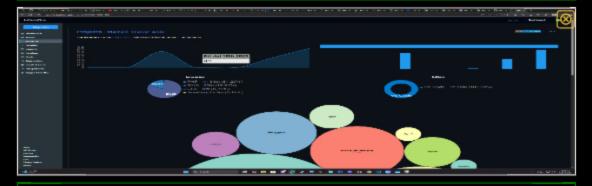
Task #2 (0.67 pts.) - WakaTime - Activity

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



wakatime top



waka time bottom

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Progress: 100%

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

Details:

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

Your Response:

I learned how to connect a PHP frontend to a real-world API using RapidAPI, how to handle authentication with API keys, and how to send and parse parameters to get structured time series stock data. I also learned how to troubleshoot common API errors like 403 and 429.

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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 was building the HTML form and displaying the API response data in a table once I got a successful response.

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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 figuring out why the API wasn't working at first — dealing with 403 errors due to missing subscriptions or wrong headers, and making sure the get() function was set up properly to support RapidAPI requests.



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