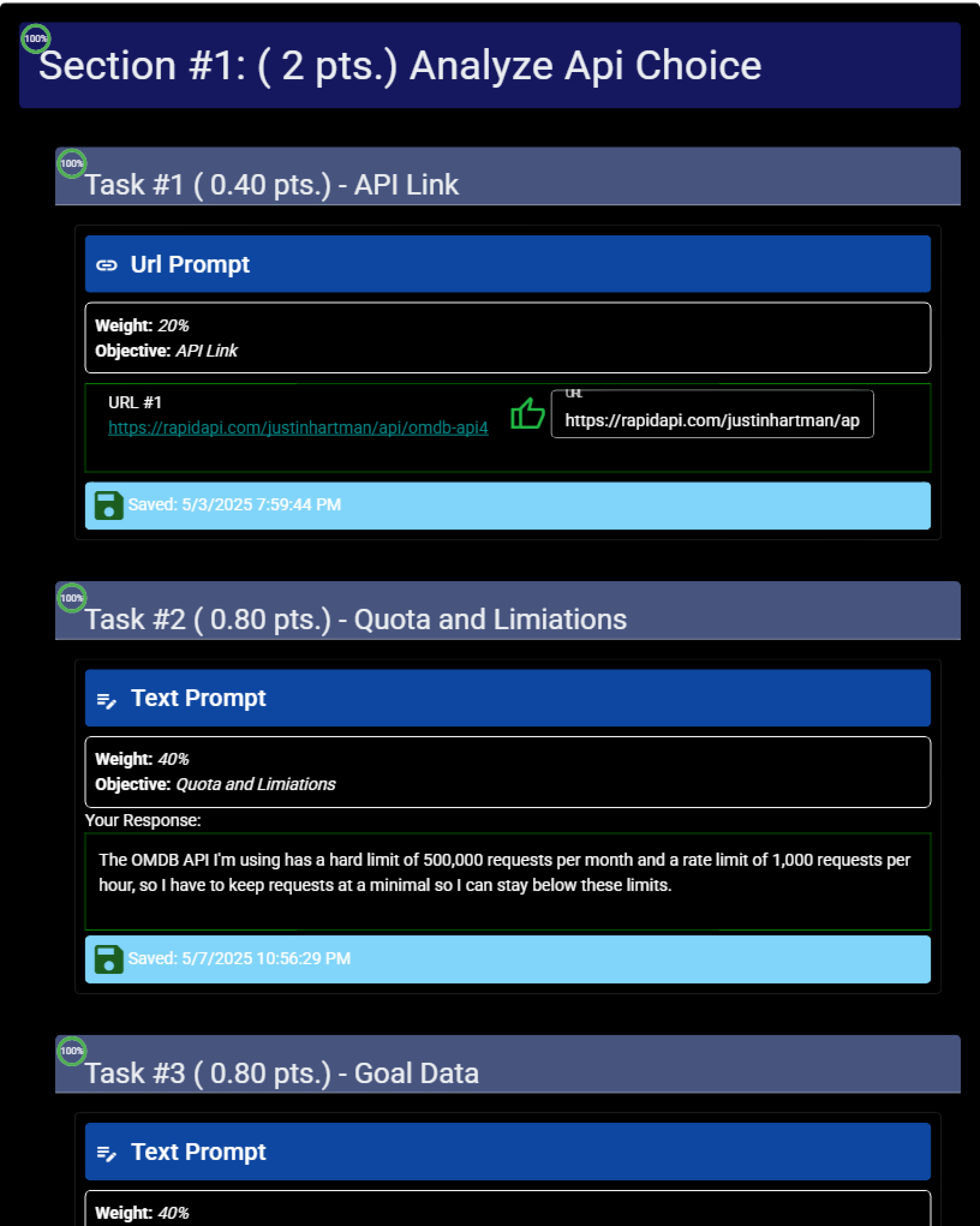
Course: IT202-008-S2025
Assignment: Milestone 2 API Testing
Student: Gori H. (gs658)
Status: Submitted | Worksheet Progress: 100%
Potential Grade: 10.00/10.00 (100.00%)
Received Grade: 0.00/10.00 (0.00%)
Grading Link: https://learn.ethereallab.app/assignment/v3/IT202-008-S2025/milestone-2-api-testing/grading/gs658

Instructions

1. Ensure you read all instructions and objectives before starting.
2. 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`
    1. `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)
    4. `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
5. 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
6. Once finished, click "Submit and Export"
7. 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`
    6. 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
9. Sync Local
    1. `git checkout dev`
    2. `git pull origin dev`
    3. `git checkout Milestone2`
    4. `git pull origin Milestone2`



100%

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

100%

Task #1 (0.40 pts.) - API Link

Url Prompt

Weight: *20%*
Objective: *API Link*

URL #1
https://rapidapi.com/justinhartman/api/omdb-api4

👍

URL
https://rapidapi.com/justinhartman/ap

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Task #2 (0.80 pts.) - Quota and Limiations

Text Prompt

Weight: *40%*
Objective: *Quota and Limiations*

Your Response:

The OMDB API I'm using has a hard limit of 500,000 requests per month and a rate limit of 1,000 requests per hour, so I have to keep requests at a minimal so I can stay below these limits.

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Task #3 (0.80 pts.) - Goal Data

Text Prompt

Weight: *40%*

Objective: *Goal Data*

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'm using specific movie data from the OMDb API. The specific properties I intend to pull and use from the API are movie titles, year released, ratings, posters, and plot descriptions.

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100%

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

100%

Task #1 (6 pts.) - Edit the `testApi.php` file (and related `.env` conte

Combo Task:

Weight: *100%*
Objective: *Edit the `testApi.php` file (and related `.env` content) to test your chosen API*

Details:

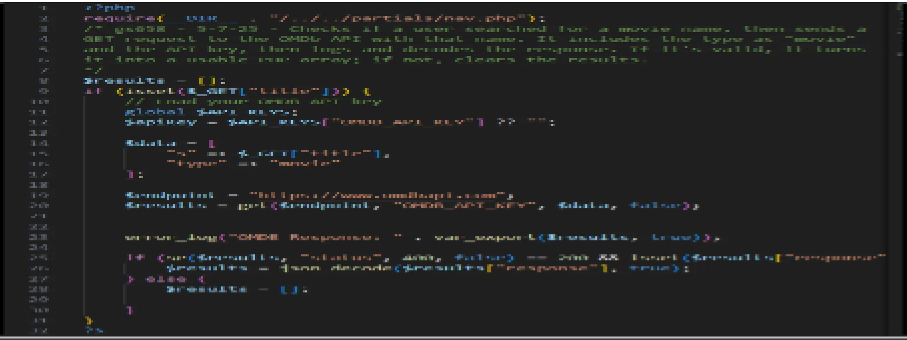
- The code will need to be adjusted since your API differs from the one I chose
- You'll need to apply the API `.env` items to Heroku's config vars both `dev` and `prod`
- Be mindful of your API quota (may need to initially use a cached response until you get it working)

Image Prompt

Weight: *40%*

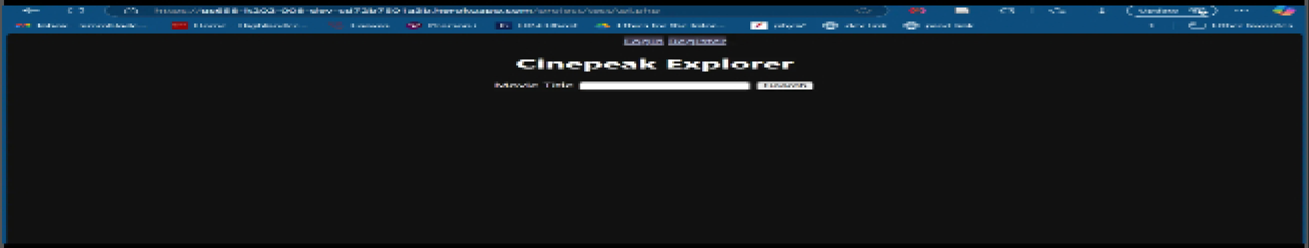
Details:
Two screenshots are expected

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



```
<?php
require(__DIR__ . "/../../partials/nav.php");
/* gs658 - 5-7-25 - Checks if a user searched for a movie name. Then sends a
GET request to the OMDb API with that name. It includes the type as "movie"
and the API key, then logs and decodes the response. If it's valid, it turns
it into a usable PHP array; if not, clears the results.
*/
$results = [];
if (isset($_GET["title"])) {
    // load your OMDB API key
    global $API_KEYS;
    $apikey = $API_KEYS["OMDB_API_KEY"] ?? "";

    $data = [
        "s" => $_GET["title"],
        "type" => "movie"
    ];

    $endpoint = "https://www.omdbapi.com";
    $results = get($endpoint, "OMDB_API_KEY", $data, false);


    error_log("OMDB Response: " . var_export($results, true));

    if (se($results, "status", 400, false) == 200 && isset($results["response"]
        $results = json_decode($results["response"], true);
    } else {
        $results = [];

    }
}
?>
```

testApi.php code



output of executing testApi.php

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Url Prompt

Weight: *20%*

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/goribanu/gs658-IT202-008/blob/M7-Homework/public_html/project/testApi.php

URL: https://github.com/goribanu/gs658

URL #2

https://gs658-it202-008-prod-96409305ed03.herokuapp.com/project/testApi.php

URL: https://gs658-it202-008-prod-96409

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Test Prompt

Text Prompt

Weight: *40%*

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

Your Response:

In order to get this test working, I needed to make sure my API key was correctly loading in from the .env file and passed into the request. I also needed to verify that the endpoint, query, and JSON were all set up/responding correctly.

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100%

Section #3: (2 pts.) Misc

100%

Task #1 (0.67 pts.) - Github Details

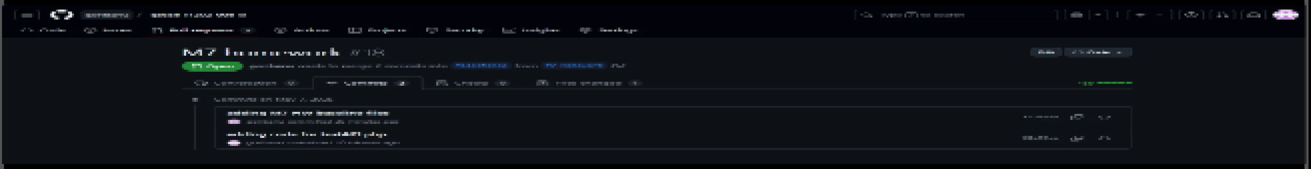
Combo Task:

Weight: *33.33%*
Objective: *Github Details*

Image Prompt

Weight: *60%*

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



M7 homework #18

screenshot of commit history

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Url Prompt

Weight: *40%*

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

URL #1
https://github.com/goribanu/gs658-IT202-008/pull/8

URL
https://github.com/goribanu/gs658

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

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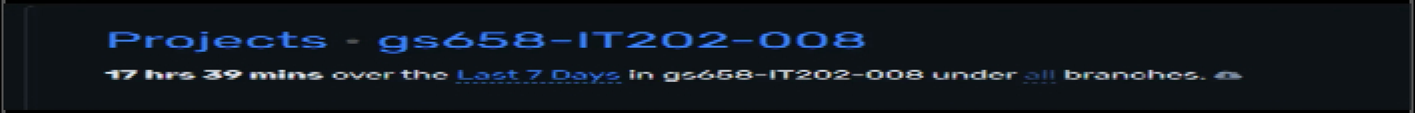
Image Prompt

Weight: *33.33%*
Objective: *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



Projects - gs658-IT202-008

17 hrs 39 mins over the Last 7 Days in gs658-IT202-008 under all branches.

total wakatime activity

```
                    Files                                                         Branches
3 hrs 6 mins   public_html/Project/movie-list.php                       10 hrs 37 mins   dev
2 hrs 3 mins   public_html/Project/movie_add.php                         3 hrs 49 mins   Milestone3
 1 hr 7 mins   public_html/M4/todos/create.php                           2 hrs 37 mins   M4_Homework
     52 mins   ...tml/Project/movie_admin_watchlist.php                        35 mins   Unknown
     50 mins   public_html/Project/movie-watchlist.php                         10 mins   H7_Homework
     44 mins   public_html/Project/styles.css                                   7 mins   Milestone?
     37 mins   public_html/Project/test_api_movies.php
     36 mins   public_html/M4/todos/pending.php
     35 mins   [illegible]
     34 mins   lib/api_helper.php
     31 mins   public_html/project/login.php
     30 mins   public_html/Project/movie_search.php
     29 mins   partials/nav.php
     24 mins   public_html/Project/movie-view.php
     24 mins   public_html/Project/test/api_movies.php
     19 mins   lib/user_helpers.php
     19 mins   public_html/Project/testapi.php
     18 mins   lib/load_api_keys.php
     16 mins   public_html/project/home.php
     15 mins   ...roject/sql/007_alter_table_movies.sql
     14 mins   public_html/M4/todos/completed.php
     14 mins   public_html/Project/view_profile.php
     10 mins   lib/functions.php
     10 mins   [illegible]/alter-template.sql
     10 mins   public_html/todos/completed.php
      9 mins   ...ject/sql/006_create_table_movies.sql
      9 mins   public_html/Project/movie_delete.php
      8 mins   lib/safer_echo.php
      8 mins   ...html/M4/sql/000_create_table_todo.sql
```

100%

Task #3 (0.67 pts.) - Reflection

Weight: *33.33%*
Objective: *Reflection*

Sub-Tasks:

100%

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

Text Prompt

Weight: *33.33%*
Objective: *What did you learn?*

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

Your Response:

I learned how to set up and use an API key from my .env file and pass it in a request in my testApi file. I also got more comfortable handling JSON responses and working on debugging the API issues when the key didn't work correctly.

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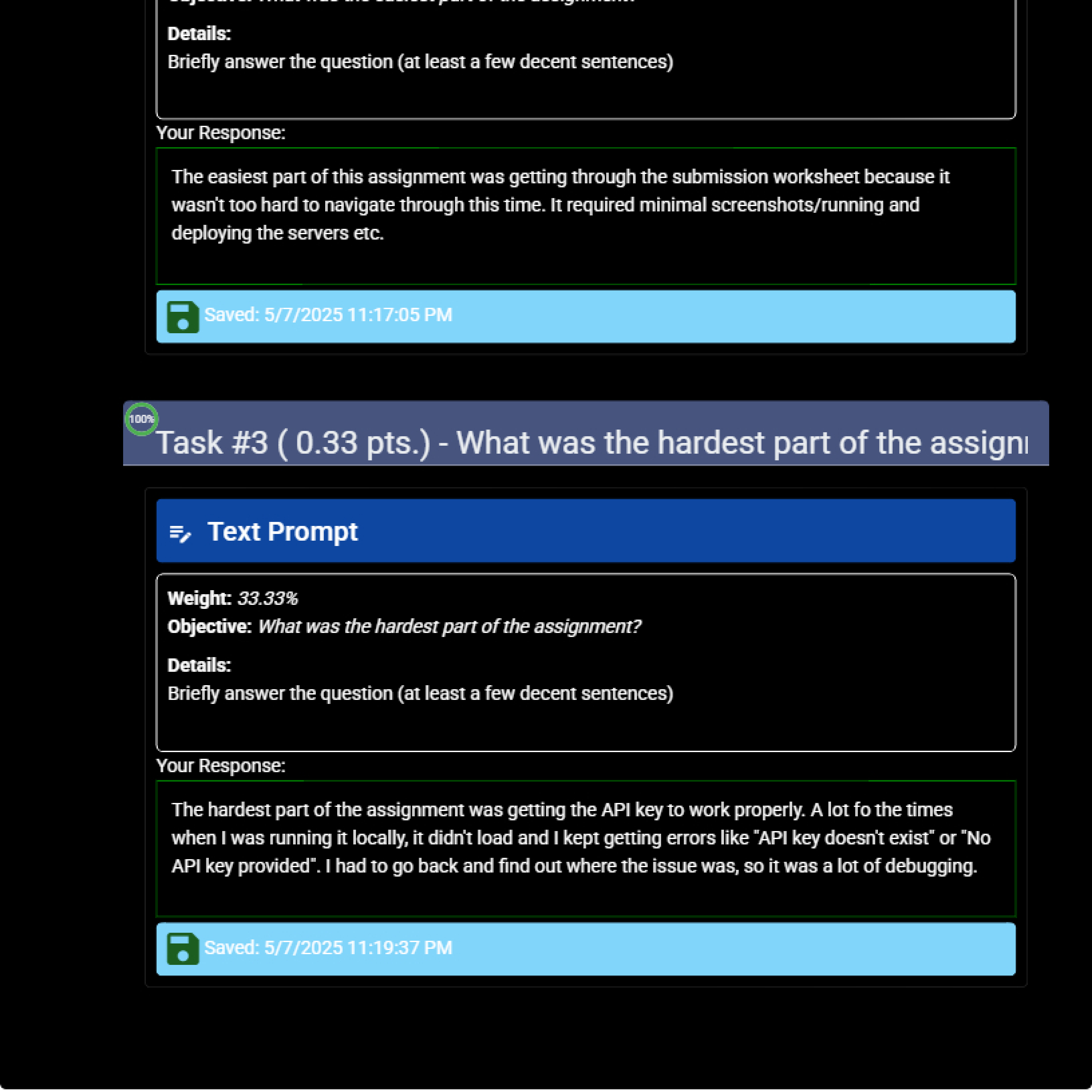
Task #2 (0.33 pts.) - What was the easiest part of the assignr

Text Prompt

Weight: *33.33%*
Objective: *What was the easiest part of the assignment?*



Objective: *What was the easiest part of the assignment?*

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

Your Response:

The easiest part of this assignment was getting through the submission worksheet because it wasn't too hard to navigate through this time. It required minimal screenshots/running and deploying the servers etc.

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Task #3 (0.33 pts.) - What was the hardest part of the assign

Text Prompt

Weight: *33.33%*
Objective: *What was the hardest part of the assignment?*

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

Your Response:

The hardest part of the assignment was getting the API key to work properly. A lot fo the times when I was running it locally, it didn't load and I kept getting errors like "API key doesn't exist" or "No API key provided". I had to go back and find out where the issue was, so it was a lot of debugging.

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