Quality Engineering: API Testing Project

Thank you for your interest in Uplight! To assess technical proficiency, We would appreciate it if you could spend a couple of hours (no more than 2) completing the following take home project.

Step 1:

Please tinker around with the OpenVerse API: https://api.openverse.engineering/v1/ and create a basic automation framework using the language and tools of your choice to test the standard operations of the API. (You will need to create an account with Openverse to do this.)

Please create test cases (Positive and Negative) for the below endpoints
- POST /v1/auth_tokens/register/ (After this endpoint is hit, you must manually click a link that is sent to you as an email before you can test the other endpoints.)
- POST /v1/auth_tokens/token/
- GET /v1/audio/
- GET /v1/audio/stats/

Bonus Tests:
- On the /v1/audio/ endpoint response, assert the first entry in results array has the field "id" and the value is a valid UUID v4
- Automate the email verification process while keeping your email credentials stored securely

*Note that if https://api.openverse.engineering/v1/ is unavailable, please use https://dummy.restapiexample.com/ as a backup with its basic CRUD operations as the test cases.

Step 2:

Please write up a brief report detailing the following::

- Explain how your framework is set up and the results of your tests.

Please push your code and report to a public repository of your choice. Also, please be prepared to demo your work (15-20 mins) and consider what improvements could be made if given more time. This is your opportunity to showcase your QE skills by showing us how you approach testing. We would love to see how you got there and not just the end product! Once complete, email your recruiter contact.