

Fuzey Designs

Full-Stack Developer Work Sample Test



Overview

Your task is to develop a backend module that fetches and processes user information from Kick.com, a website that does not have a publicly available API. The data will be used to display this information in real time on users' live streaming overlays.

Objectives

1. Data Extraction: Since Kick.com does not provide a public API, you are required to write a script that can extract user information from the website. The data should include the following:

- Username
- User profile pic
- User profile bio
- User profile banner
- User socials
 - Twitter
 - Discord
 - TikTok
- User videos
- User clips
- User's streaming status (offline vs. live)
- User followers
- User following (who the user is following)
- User subscribers
 - Date subscribed
 - Subscription status
 - Subscription expiration date

- Subscriber name
- Subscriber profile pic
- User gifted subscriptions

This could involve techniques like web scraping. Feel free to add more information to the data model as you see fit.

2. Error Handling and Reliability: Implement robust error handling and ensure the reliability of the data extraction and processing pipeline. The system should gracefully handle potential issues like network failures, changes in Kick.com's web page structure, or data format changes.

3. Performance Considerations: Optimize the solution for performance, accounting for rate limitations and ensuring minimal latency between server calls.

4. Documentation and Testing: Provide clear documentation on how the module works and any dependencies.

Deliverables

1. Code: A well-structured and commented codebase for the entire module.
2. Documentation: A README file explaining how to set up and run your module, along with an overview of its architecture.
3. Test Suite: *A set of unit tests for your module. (Optional)*

Time Frame

You have 72 hours to complete this test. If you have any questions or need clarifications, please feel free to reach out.

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Please feel free to send me an email or give me a call directly with any questions.

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