CoSchedule Coding Challenge

The purpose of this challenge is to help us find skilled engineers who are passionate about programming and display a high degree of craftsmanship. We value engineers that can level up their whole team rather than just themselves, and who have a passion for learning new things and a great deal of curiosity around how things work.

We like to get an idea of how you write code in the real world. Granted, the CoSchedule codebase is larger and more complicated than any technical exercise, but it is a good indicator of further performance on the job. We cannot emphasize enough that the coding exercise is the most important way for us to evaluate your technical skills.

Considerations:

- The challenge submission should be done via a GitHub repository URL.
- Submit the challenge no more than 10 days from the receipt of the challenge.
- Should you have any questions during this project, your contact is Luis Vegerano (luis.vegerano@coschedule.com) our Senior Software Engineer

The challenge:

1. Pick an data source (API) from this list:
    a. Reddit (OAuth)
    b. Github (OAuth)
    c. New York Times Books (apiKey)
    d. Giphy (apiKey)
    e. Github Jobs
    f. HackerNews
2. Create an API (server) that can communicate with the selected data source (think of a proxy).
    a. End-point authentication would be a plus (username/password)
    b. It must support searching the data source
    c. It should have support for a “rating” system
        i. This must support basic Create, Read, Update, Delete (CRUD) operations
    d. It should have support for a comment system
3. Create a User Interface (browser) that can display content from the data source.
    a. Again, authentication would be a plus (username/password)
    b. It should allow the user to search the data source
    c. It should allow the user to “rate” a data item (CRUD)

    i. Think of a star rating system
d. It should should allow the user to add comments (CRUD)