

IdeaSpark FullStack Developer Interview Exercise

Twitter TopLinks App

Please build an app that confirms to the following specs:

Please develop the app in a framework of your choice. Our web stack is primarily NodeJs/Vue, we would prefer NodeJs/Vue apps.

1. The app should let the user login with Twitter.
(<https://developer.twitter.com/en/docs/basics/authentication/overview/oauth>)
2. Once authenticated, the app pulls just the tweet's that contain URLs from a users stream (friends + users post) for the past 7 days
3. Persist the tweets in the database
4. Once stored, the application should then compute and display
 1. Actual Tweets containing links
 2. Which user has shared the most links
 3. List of Top Domains that have been shared so far
5. Please create screen on the frontend where the users can
 1. Search for tweets by hashtag
 2. Filter tweets by location

Evaluation Criteria:

Your submission will be evaluated on the following parameters

1. The time you take to deliver the app
2. Code Quality - the way you structure your code(readability/use of correct data structures/modularity)
3. Creativity - feel free to add extra features/functionality

4. The features carry the following weights, so if you are pressed for time and cant complete the entire exercise, you can use the following to prioritize your implementation

Feature	Weight
Login via twitter	20
Fetch tweets using api	20
Persist tweet in database	20
Display Tweets with links	10
Display top domains	20
Search tweets by hashtag	20
Filter tweets by location	30

Hosting Code:

Please host the app where we can access publicly.

1. You can use heroku.com / zeit.co to host your app for free.
2. You can use MongoDB atlas to host the database for free.
3. Please send us the link to your publicly accessible app.

Submitting Code:

1. Please create an account on Github(<http://github.com>) if you dont already have
2. Create a new public repository with the source of the project
3. Add a [README.md](#) file to the root of your project that clearly mentions all steps to compile and run the app.
4. Send us the link to the Github Repo.

Notes:

1. We think that ideally you should be able to build this app in 5-7 hours. It would be great if you could let us know when are you going to start working , and by when you would finish the app. This would help us in scheduling time to review your app.
2. We would also like to up setup a short skype call(max 30 minutes) with you where you can walk us through your code
3. Please let us know if you have any queries or doubts. We would be glad to explain the problem to you over a phone call.