UDACITY

Back to Blockchain Developer

Build a Private Blockchain Notary Service

REVIEW

CODE REVIEW 4

HISTORY

Requires Changes

2 SPECIFICATIONS REQUIRE CHANGES

You have made a great progress. Great work.

In case you need help feel free to get in touch with your mentors.

Keep learning!

You are awesome 🎉

Suggestions

Try to follow this awesome twitter accounts related to blockchain:

VitalikButerin

https://twitter.com/VitalikButerin?ref_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E942032830896398336&ref_url=http%3A%2F%2Ffortune.com%2F2017%2F12%2F27%2Fbitcoin-twitter%2F

Brian Armstrong

https://twitter.com/brian_armstrong?ref_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E936081853840101376&ref_url=http%3A%2F%2Ffortune.com%2F2017%2F12%2F27%2Fbitcoin-twitter%2F

Videos

This is an excellent video: Multicoin Summit May 2018 Exploring Opportunities For Non Fungible Tokens

https://www.youtube.com/watch?v=nuD4DHJRRPQ

I want to share this amazing application of blockchain to CURE CANCER

https://www.youtube.com/watch?v=VwIii2rBdKU

https://www.youtube.com/watch?v=i66ccB4ShXU&t=509s

I want to share these awesome episodes from Udacity about blockchain
https://www.udacity.com/built-on-blockchain

I wanted to share this great video about the fundamentals of Ethereum. Is it really important for your next project, so PLEASE WATCH it https://www.youtube.com/watch?v=yVN3ppNdwMo

Blockchain ID validation routine

Response should contain message details, request timestamp, and time remaining for validation window.

User obtains a response in JSON format with a message to sign.

Message format = [walletAddress]:[timeStamp]:starRegistry

The request must be configured with a limited validation window of five minutes.

When re-submitting within validation window, validation window should reduce until it expires.

URL: http://localhost:8000/requestValidation

Good job ⭐

Suggestions

⚠️ I suggest that you store the validation information in the database to persist the data even if the program is stopped, fails or you use another machine to register the star.

Web API post endpoint validates message signature with JSON response.

Upon validation, the user is granted access to register a single star.
URL: http://localhost:8000/message-signature/validate

Well done 👍🏽

I recommend this excellent article that talks about the best practices when developing a RESTFUL API https://medium.com/@mwaysolutions/10-best-practices-for-better-restful-api-cbe81b06f291.

Also, this is a “must see” video from Google about how to design better RESTFUL APIs. https://www.youtube.com/watch?v=4lBMQteMd6Y

Star registration Endpoint

Star object and properties are stored within the body of the block.

Star properties include the coordinates with encoded story.

Star story supports ASCII text, limited to 250 words (500 bytes), and hex encoded.
URL: http://localhost:8000/block

Good progress 👊

Required

❌ The user should only be able to register one star per validation. If you want to register another star you would need to start again the process each time.

Star Lookup

Response includes entire star block contents along with the addition of star story decoded to ascii.

URL: http://localhost:8000/stars/hash:[HASH]

Great job 🙌

These are some good practices about developing servers with Express that are very helpful https://github.com/i0natan/nodebestpractices

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These are some performance tips for your API
https://developers.google.com/drive/api/v3/performance

Response includes entire star block contents along with the addition of star story decoded to ascii.

Multiple stars might be registered to a single blockchain identity.

The response should support multiple star blocks.

URL: http://localhost:8000/stars/address:[ADDRESS]

Great !!!

These are some good practices for improving perfomance in Node.js
https://engineering.linkedin.com/nodejs/blazing-fast-nodejs-10-performance-tips-linkedin-mobile
These are some error handling tips for your API
https://nordicapis.com/best-practices-api-error-handling/

Response includes entire star block contents along with the addition of star story decoded to ascii.

URL: http://localhost:8000/block/[HEIGHT]

✗ The `storyDecoded` is missing from the JSON response. Please add it.

RESUBMIT

DOWNLOAD PROJECT

4 CODE REVIEW COMMENTS ›

Best practices for your project resubmission

Ben shares 5 helpful tips to get you through revising and resubmitting your project.

Watch Video (3:01)

RETURN TO PATH

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