Submit your project for the Stacks x EasyA Hackathon! 🚀

Welcome! You've made it this far - now all you need to do is submit your project!
Remember to check the judging criteria - if in doubt, just ask!
Make sure to submit before the deadline: 12:00 PM (UK time) on 22 October! ⏰

Submit one form per team (no more than 5 people per team) 1️⃣✅

By completing this form, you agree to our Privacy Policy: http://easya.io/privacy

Questions? Ask one of us! 📧

leo.hammett@googlemail.com Switch accounts

Draft saved

* Indicates required question

Email *

leo@hammett.biz

Team name *

Valeur

Emails of **all** team members (**including yours**) *

Separate emails **using spaces (not semicolons)**. **We'll use these emails for distributing your prizes!**

Please check the above carefully.

leo@hammett.biz prannvat2005@gmail.com S

Link to your team's tweet announcing your project *

Remember to tag @EasyA_App with the hashtag #60DaysofStacks. You can use your personal Twitter too! This can be as simple as this! https://twitter.com/imx_astrorun/status/1624524867243593729

Your answer

This is a required question

Twitter handles of all team members (including yours) *

We'll be tagging you on Twitter to celebrate your wins!

@latenightmocha @prannvatsingh @LeoLe374

Project name *

Valeur

Short description *

150 character summary of your project. Follow this format: "Develops/Offers/Gives/etc. _(a defined offering)_ to help/support _(a defined audience)_ _(solve a problem)_ with _(secret sauce)_". See some awesome examples in this blog post.

Valeur generates a decentralised, un-tamperable authenticity certificate for any assets (e.g. a diamond) from it's source to the present moment.

College / Employer *

If you're from different universities or workplaces just add them all! 🏛

Cambridge, IOS developer, Product design

Which track(s) are you entering for? *

You can select more than one!

- [x] Technical - Stacks sBTC track
- [ ] Technical - Stacks AI track
- [ ] Non-technical - Pitchathon

Full description *

Describe your project as fully as possible! What it does, what problems it solves, how you used Stacks / Hiro to achieve it etc

Valeur generates a fully decentralised, certificate of authenticity, for any desired asset. This is done through a technical explanation explained below. The outcome provides a set of NFT's each explaining a period of time when the asset was owned by that company, each of these NFT's use blockchain technology to ensure the certificate is 100% accurate.

By having an overall, authentic story of how the asset came to be, we are increasing the value of the asset using blockchain technology. This system also helps deter thieves as they wouldn't be able to transfer the authentication certificates over without permission, nor add to the ownership collection. On top of this, the system would prevent general scams where (for example) lab grown diamonds are sold as natural diamonds.

The system leverages a powerful component of stacks which is Bitcoin's inherit longevity. Bitcoin will definitely last for a very long time (potentially the longest), and Valeur benefits from this because the life of an asset is also potentially rather long. Making stacks a necessary feature of Valeur.

The concept of Stacks authenticated asset management is scaleable over time and we are extremely excited to see how far this concept takes us.

Technical explanation *

What tech did you use to build this project? In particular, **what aspects of Stacks / Hiro did you use**? Which features of Stacks / Hiro made this project uniquely possible?

We aim to keep Valeur's technical structure as simple as possible, to reduce the chances of vulnerabilities in an important system.

The main two events that occur technically are "on send" and "on receive", both will be explained below.

As "on send" occurs, we create a stamp NFT including any identifying factors of the asset (i.e. physical authentication certificate number or the carat and refractive index of a diamond) along with a UNIX timestamp of when the asset was being prepared to send (an order of minutes is not deemed suspicious if there is a gap in the timeline of this), AND some form of verification to prove the actual owner/minter minted the stamp NFT.

This stamp NFT is then bundled together with all the other stamp NFT's of the asset and sent to the next owner alongside the physical asset. As part of the smart contract both parties agreed the physical possession was owned by the owner of the stamp NFT bundle.

As "on receive" occurs the NFT's are received and another stamp NFT of receipt is added (so we always know who possessed the asset at what points), the NFT bundle is then stored until the next send. Because we are using Stacks, we are able to have this system work over a far larger period of time as Stacks is going to last a long time.

Link to slides *

Link to the **Canva** you'll use to present your project. **Make sure this is publicly viewable** and not viewership not restricted. You **must** link to Canva (not PowerPoint or Google Slides). Remember to include your team and 1-liner bios on your first slide (e.g. check out WeWork's)

https://www.canva.com/design/DAFx8EUssD8

We confirm that our work is original and satisfies the judging criteria *

- (●) Yes
- ( ) No

Are you entering for the non-technical or technical track? *

- (●) Technical (we coded)
- ( ) Non-technical (we have an awesome idea!)

Next Page 1 of 2 Clear form