

Blockchain programming - Lecture 02

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1 Review of lecture and assignment

We will be expanding on some of the subjects introduced in the lecture and assignments.

1. Asymmetric cryptography.
2. The distinction between on-chain and off-chain code.
3. UTxO based blockchains vs account based blockchains.
4. Fungible and non-fungible tokens.

2 Questions

1. A question regarding the first lab, where you gave an example of having ownership of a pair of sneakers via a token: If the buyer is scammed (e.g. his sneakers are fakes, bootlegs and so on) or just wants his money back (e.g. after spending it on a service subscription that didn't meet his expectations or didn't work as advertised), how is an anonymised and decentralised Blockchain going to deal with fraud and refunds?
2. Could blockchains be used as a means of masking our presence on the Internet? If yes, won't that take a lot of processing power if we were to make 100% sure that we are hidden, and with that, also money?

3 Final assignment

Discussing ideas for your final assignment.