# Intro

This series is meant for those who want to get a grasp of real blockchain applications, and these videos will be specifically about crowdfunding.

Showing the web interface, creating a project, funding it, seeing it was successful, and withdrawing tokens to the address

Difference from classical crowdfunding contract – using tokens, not Eth, and being a platform itself, projects do not have to deploy their own contracts, but can easily use this template.

Contract is deployable with arbitrary token address, and will work exactly the same – and there is a possibility of writing even more free contract, where users can themselves choose the specific token for each project.

Obviously it is not perfect, there is the need of two transactions from the funder, but both of them are made by clicking one button and therefore is quite user-friendly.

We will look at more details in the next videos.

If you are new to this space, you should definitely check out the main Ethereum webpage at <https://www.ethereum.org/>

# Crowdfunding on blockchain

This video is meant for those who want to know about real use-cases on Ethereum platform, that are possible even now.

This video is almost not technical at all, so no previous knowledge is required.

**Idea**: To make crowdfunding of small or big projects easier, in the style of Kickstarter. Same solution can be used also in various fund-raising or charity campaigns.

**Functioning**: Everybody can create new project and determine the amount of money and the final date. Other people can send money to support these projects, and when they gather the needed amount before the final date, all the funds will be sent to the project. Otherwise they will be returned to users.

**Advantages**: Thanks to the absence of middleman, the project will receive all the funds gathered, without any fees for the platform. Even in the breakdown of the front-end webpage the blockchain contract would still be active and could be interacted with.

**Disadvantages**: Nowadays the high volatility of cryptocurrencies can be a problem – so the owner of project can be at risk of losing value of the received funds. However already some stable cryptocurrencies exist, pegged for example to USD. Exactly these stable coins will be next video in this series.

If you are newer to this space and you are interested in crowdfunding, you should definitely check out the concept of ICO, which is by far the most frequently used crowdfunding model in blockchain space.

# Stable Coins

This video is meant for those who want to find out more about stable coins – what is it and why is it useful.

You should be at least a little bit familiar with cryptocurrencies in general and especially the economics of this field.

Stable coins are just a recent invention, but they are certainly here to stay and the whole blockchain space can greatly benefit from them.

The main problem that is being solved by stable coins is the volatility of cryptocurrencies’ prices, which can limit its use-cases in situations when tokens need to be stored for some time. Crowdfunding is a good example of that – using stable coins could guard the project being financed from being dependant on the current situation on cryptocurrency markets.

There are already multiple implementations of stable coins. One of them, rather infamous, is Tether (USDT), which is however a centralised solution and requires a central authority to be trusted.

Second, and currently much more researched version are decentralised solution, which are more technically complex, but offer a solution that trust can be put into with more certainty. One of the examples is the DAI token, created by MAKER project, that uses quite complicated system of economic incentives to achieve a stability of this token against US dollar – and seems to work well, and shows that this stability can be sustained even without complete centralisation.

For further information you can visit:

<https://medium.com/@lunes.platform/usdt-how-to-defend-your-assets-using-tether-34e0896fd870>

<https://medium.com/makerdao/part-1-why-stablecoins-matter-3b273e1c529e>

# Smart Contract Creating

This video is meant for those who want to find out how a smart contract on Ethereum platform could look like, and what are its components

You should be at least a little bit familiar with Smart contracts in general, with Solidity programming language and with the working of Ethereum platform.

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Showing it in SublimeText with import

Links to download the file will be in the description

For further information you should check out the youtube series Learning Solidity, which is explaining Solidity and smart contract in more details. <https://www.youtube.com/playlist?list=PL16WqdAj66SCOdL6XIFbke-XQg2GW_Avg>

# Web3 implementing

This video is meant for those who want to find out how to connect already existing smart contract with a user interface, and thus making the application really usable.

You should be definitely familiar with basic web development, blockchain applications and browser extensions.

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Showing it in Atom (SublimeText)

Connecting with blockchain (web3 import), specific functions

Quick look at html, main focus on js

Links to download the file will be in the description

For further information you should check out the youtube channel DappUniversity, which is also focusing on creating real smart contract applications and is a really experienced explainer.

<https://www.youtube.com/channel/UCY0xL8V6NzzFcwzHCgB8orQ>