The exercise: Crowdfunding

For this exercise, you will implement a crowdfunding contract and test cases using solidity and truffle.

In this use-case, crowdfunding is set up in two steps.

Idea registration, investment and voting, both needs set end times.

Idea registration

Startups register their ideas with total ether needed, GitHub URL of their white paper, commit hash

Investment and Voting

Investors can send their investments to the contract and then vote for ideas with the weight of their investment. An investor can vote to multiple ideas and can add more investment before the investment period ends.

Final Step

Contract sends the needed amount to the winner idea and returns to remaining amount to the investors