

FREELANCE PROJECT DAPP

Problem

The problem with today's freelancer's is that there is no transparency in today's system. The problem today's freelancer's facing are ,

- 1.late payments.
- 2.can get scammed by not getting their payment.
- 3.no transparency of payments.
- 4.there may arise disputes between the clients and the freelancers regarding the payments etc.

Proposed system

If we could implement blockchain technology to this situation we can eliminate these problems. The benefits are

- 1.Because the data is stored in the blockchain , we have transparency in payments history.
- 2.Because we are using smart contract we can have automated payments so there is no time delay in getting their payments after completing their work .
- 3.The clients can implement conditions in the smart contract for the project (like due date etc.), that way only if these conditions are met, then only will the money get transferred to the freelancer.
- 4.By using these Decentralised system we can have trustworthy clients and freelancers.

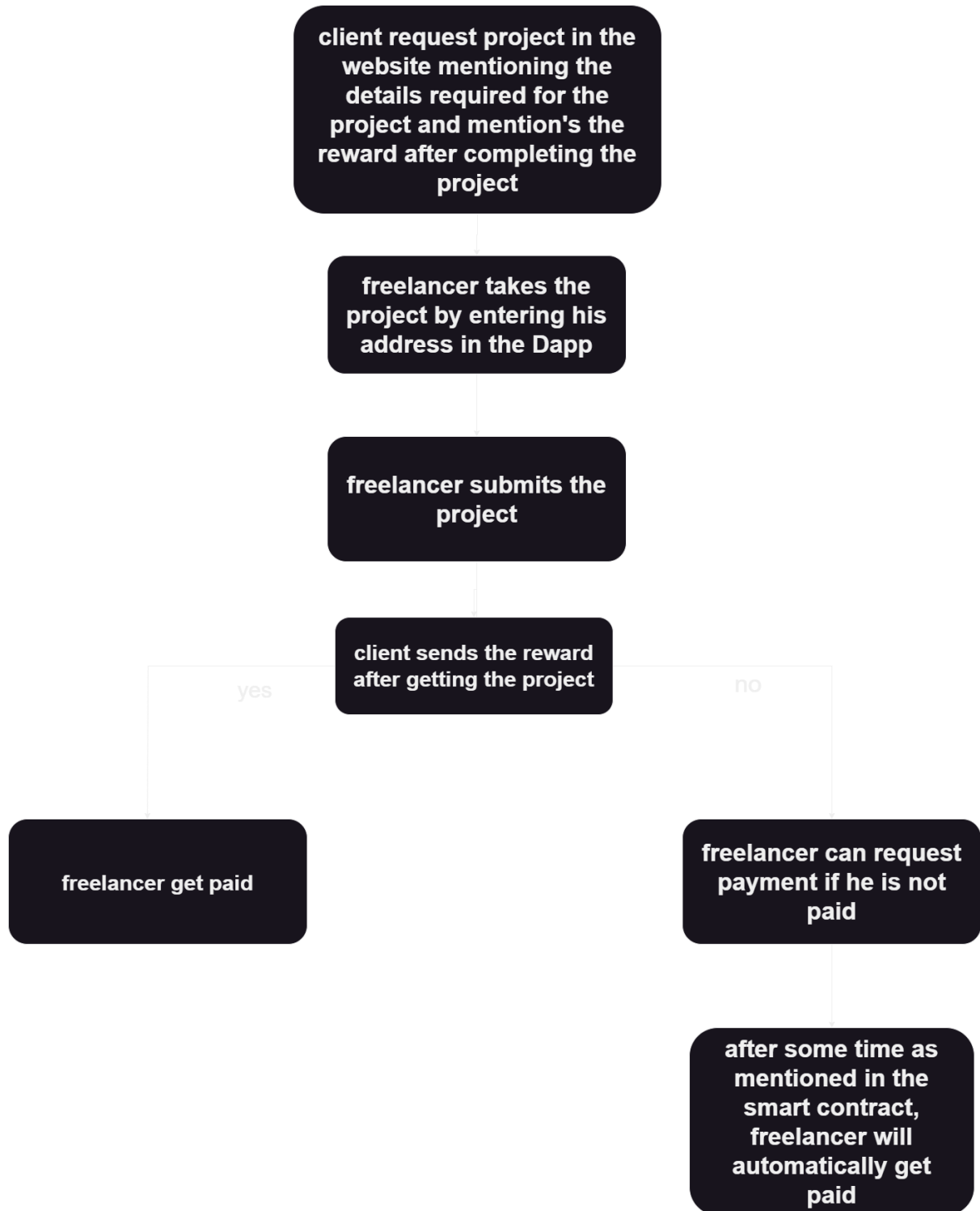
Existing system

The existing system today is working fine. But it needs some refinements because of the issues I have mentioned above. The main problem is the delay of payment which this app is aiming to resolve.

Need For Ethereum Blockchain

The main use case of Ethereum in this project is because it is the most popular smart contract and Dapp development environment.

Workflow of the Dapp



Smart contract logic

client enters the value and address in the constructor and deploys the contract

freelancer takes the project through the takeProject function

freelancer submits the project through the submit project function(only the freelancer can call this function)

client calls the transferPayment function after the project is submitted (only the client can call this function)

if the client didnt sent the money,the freelancer could request money by calling the FreelancerRequestPayment function after the time period mentioned in the contract.(only freelancer can call this function).

freelancer gets paid the ether in the smartcontract