

DAO Project

PROJECT 3 - GROUP 5
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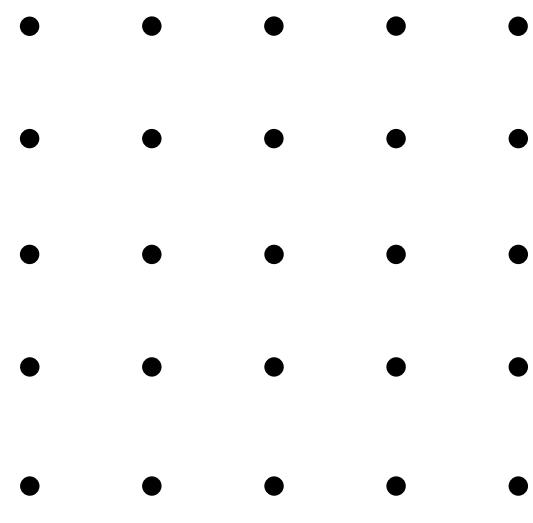
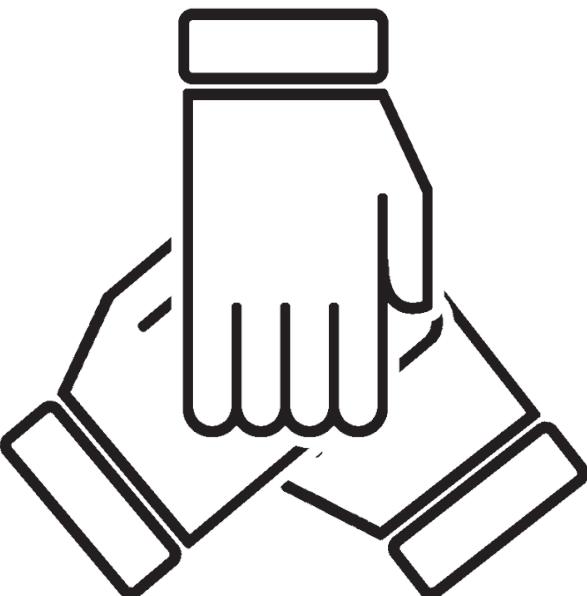


Motivation and Summary



We wanted to see if we could create a DAO using Solidity

Before we talk about our idea, we will explain what a DAO actually is...



What is a DAO?



- DAO = Decentralised Autonomous Organisation
- Legal structure which is built on blockchain
- Has no central governing body
- Every member within a DAO typically shares a common goal and attempts to act in the best interest of the entity
- Similar to a corporation, where shares = right to vote
 - Except in a DAO, tokens = right to vote
- A bottom-up approach to management: so members of the DAO get to vote to make decisions

Benefits of a DAO



DECENTRALISED

DAO members get to drive decision making with their votes, rather than a centralised authority like a CEO or board in a corporation.

PARTICIPATION

Individuals within a DAO may feel more empowered and connected to the entity when they have a direct say and voting power on all matters.

PUBLIC

Within a DAO, votes are cast via blockchain and made publicly viewable. This incentivises actions that will benefit voters' reputations and discourage acts against the community.

COMMUNITY

The concept of a DAO encourages people from around the world to come together, to build a shared vision.

Different Types of DAOs

PROTOCOL DAOS

Governs a decentralized protocol such as a borrow/lending application, decentralized exchange, or another type of dapp.

INVESTMENT DAOS

Pool capital to invest in startups etc. Or even non-traditional investments such as an NBA team.

COLLECTOR DAOS

Pool funds to invest in NFTs or other collectibles.

PHILANTHROPY DAOS

Aim to progress social responsibility by organising around a shared purpose.



SOCIAL DAOS

Aim to bring together a community of like-minded individuals.



MEDIA DAOS

Allows content creators to create content which is chosen by their community.



DAO Examples

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FLAMINGO DAO

Community capped at 100 members that purchases NFTs. It has made a 350x return and is now worth \$1Billion USD.



FRIENDS WITH BENEFITS (FWB)

Social community where you get exclusive access to meetups and events around the world.



CONSTITUTION DAO

A bunch of people who wanted to buy a copy of the US Constitution.



ASSANGE DAO

"We are united in our mission to Free Julian Assange."

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Our DAO Idea

Our DAO's focus: Mental health and wellbeing

What our DAO funds contribute to:

- funding mental health research
- raising awareness
- funding projects
- events

Members can vote on funding proposals.

Members of our DAO can be rewarded for:

- "influencer" style posts
- hosting events
- starting a successful crowdfunding campaign
- bringing in new members

More details of our marketing plan for the DAO can be found here -
<https://github.com/dhaameen/DAO-Project/blob/main/marketing.md>



Components of Our Dao

SMART CONTRACTS

- Core contract
- DAO token contract
- Governance contract
- Timelock contract

D-APPS

- Purchase DAO tokens
- Submit a voting proposal
- Vote on a resolution

Smart Contracts

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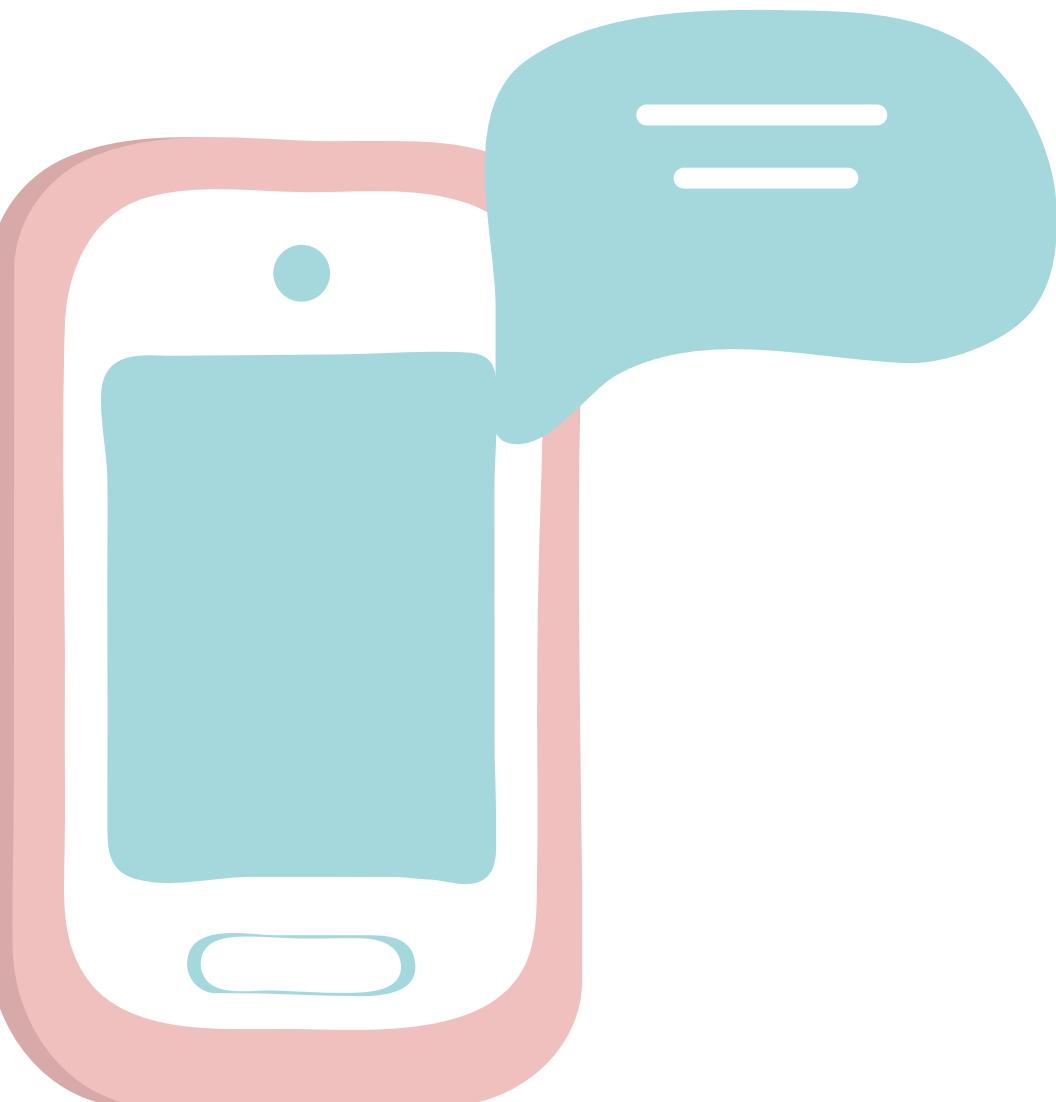
See our smart contracts here -

[https://github.com/dhaameen/DAO-
Project/tree/main/contracts](https://github.com/dhaameen/DAO-Project/tree/main/contracts)



dApps

See our dApps in our repo here -
<https://github.com/dhaameen/DAO-Project>

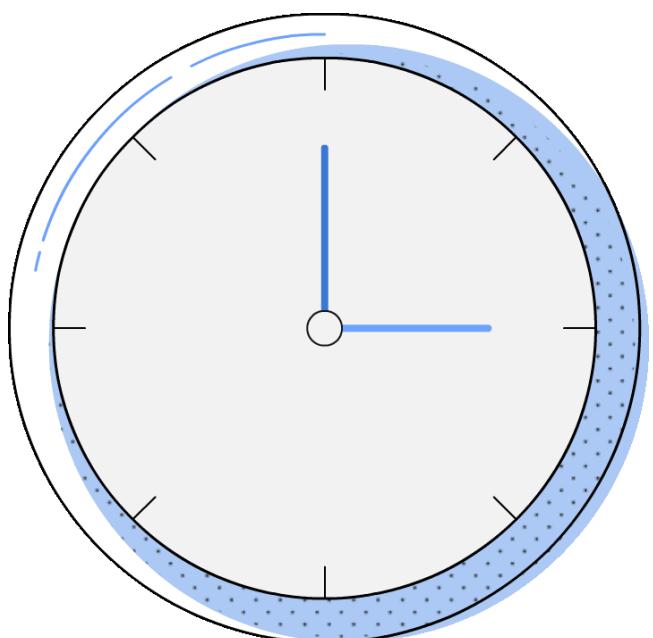


Challenges

- There can be lots of layers and contracts in a DAO
- DAO Governance can be complicated
 - Why? Because the DAO Governance contract gets created once and is immutable
 - Therefore it has to consider a lot of different scenarios and contingencies
- We had to think about what would be involved in the Minimum Viable Product for a DAO to keep things less complicated
- Also needed to figure out a way to store voting data on the back end

What We Would Do with More Time

- Look more deeply into different DAO governance mechanisms, and how this can be embedded in a smart contract
- Consider the use case of our DAO more, and how we would promote it + build a community



Questions?

LET US KNOW IF YOU HAVE
QUESTIONS OR CLARIFICATIONS.

Thank You!