



LEARN CHAIN

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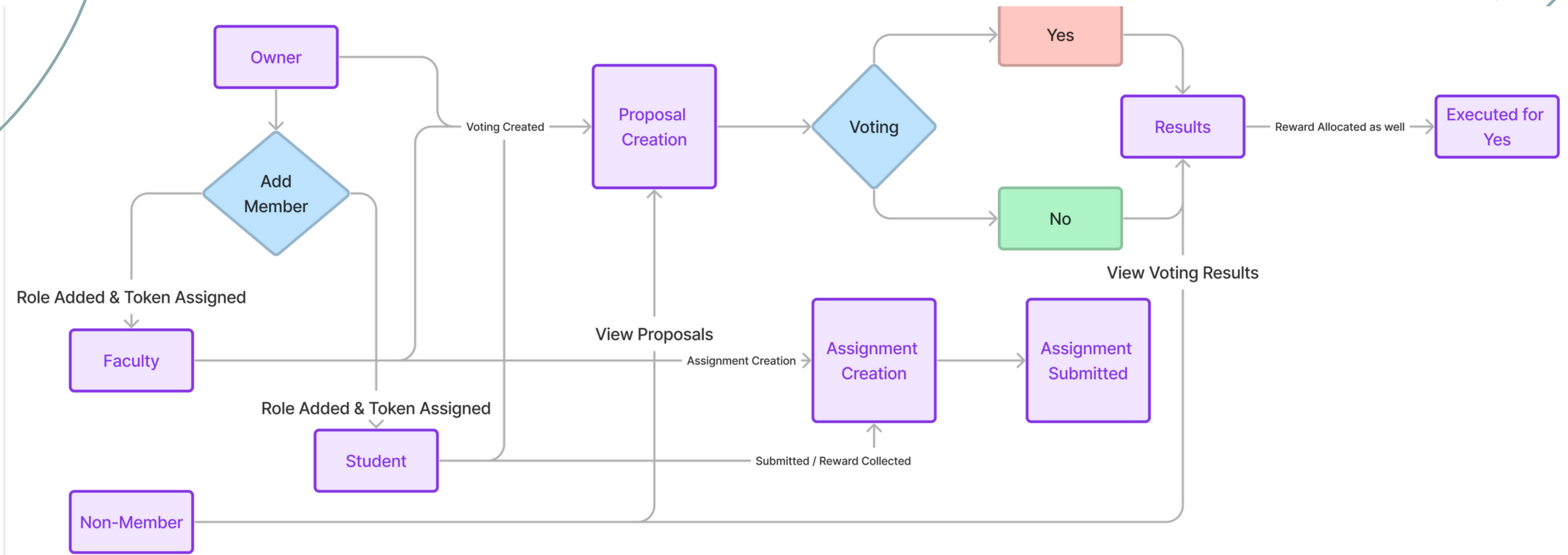
Roll No. : S20210010010



Problem Statement : Create a DAO for academic institution where students, faculty and administrators collaboratively make decisions about curriculum, funding and policies.

Github Link : <https://github.com/Aarav-Nigam/AkanshVaibhav-LearnChain>

ARCHITECTURE



TECH STACK

Front End :

- React
- Ethers.js/Web3 Library
- Bootstrap

TestNet : Sepolia

Contract : Solidity, ERC20

Testing : Remix IDE

Development Environment : Hardhat

Version Control : GitHub

WebSite Deployment :

Features

Basic

- Used Solidity to Create a Smart Contract
- Connection with Meta Musk
- Basic FrontEnd Implemented
- Used Hardhat Enviornment

Must Haves

- ERC20/Governance Token Implemented
- DAO contract Implemented
- Voting Implemented

Excellent

- Exponential voting

Testnet Deployment

- Deployed on Testnet
- Frontend Deployed



How my project is different from the existing projects



Multi-Role Assignment:

I have assigned three different roles, i.e., Owner, Faculty, and Student.

Multi-Role Power :

Based on the roles of the users, the user enjoys different facilities. Faculty and Owner have different powers and functionalities compared to Students Role.

Reward for Idea Proposal

Everyone is awarded a token for proposing a new idea. This encourages students and faculty to constantly propose ideas for the institute

