

PROJECT PLAN DOCUMENT

Project number	36
Project Title	Own your home
Document	Project Plan
Creation date	10 Feb 2022
Created By	Naval Surange, Divyansh Tiwari, Siddharth Jain, Akash C R
Client	Venkata Maddala, Jimi Dao Pvt. Ltd

Brief Problem Statement:

- The project asks us to develop a low code/no code Web 3.0 based app/protocol that allows users to fractionalize their house ownership by establishing interoperability of digital NFTs of sections of their property in exchange for cryptocurrency/ digital tokens (to unlock transparency in the value chain), allowing asset owners to be free of the high-interest debt created by the mortgage providers and banks.

Team Members:

- Naval Surange - Developer, GitLab Maintainer.
- Divyansh Tiwari - Developer, Team Manager.
- Siddharth Jain - Developer.
- Akash C R - Developer.

Team Communication:

- **With Developers** - We usually have meetings discussing the features needed for the project and their implementation on Monday, Wednesday, and Saturday every week on Platforms like Google meet and Discord, We are also in constant communication with each other through Whatsapp and Discord Chat.
- **With TA** - We have created an official Whatsapp group with our TA (Pavani Babburi)
- **With Client** - We have meetings every Wednesday and Saturday with our client listening to different features we have to implement and brainstorming new and better ideas on Google Meet. Our client also provides us with different resources through Discord and Whatsapp chat.

Development Environment/ Tools Used:

- The following are the development environment/ tools used:
 1. Development Environment -
 - a. VS Code.
 - b. Ethereum Remix.
 2. Programming Language -
 - a. Solidity (Ethereum L1 for consensus, Polygon for Data and Execution)
 - b. Hardhat
 - c. Bubble for frontend or Jotform
 - d. Rust Language and open Zeppelin for smart contracts
 - e. React JS for Front End.
 3. Collaboration tools -
 - a. GitLab.
 - b. GitHub.
 4. Other -
 - a. Truffle Suite/Ganache for Blockchain functionality.
 - b. Mocha library for writing test cases.

Milestone Schedule

Milestone	Due Date	Deliverable	Release	Status
Project Concept V-1	21st January 2022	No	R1	Released
Project Concept V-2	28th January 2022	No	R1	Working
Software Requirement Specification V-1	2nd February 2022	No	R1	Released
Project Plan	11th February 2022	No	R1	Working
Sprint BackLog V-1	11th February 2022	No	R1	Working
Software Requirement Specification V-2	15th February 2022	No	R1	Working
Documentation Complete	1st March 2022	No	R1	Working
Minimum Viable Product (MVP) trial	1st March 2022	Yes	R1	Working

Registration of an Asset/Property	1st - 3rd March 2022	Yes	R1	To Start
Verification of the Asset/Property alongside the status update to the concerned person owning the asset	1st - 3rd March 2022	Yes	R1	To Start
TestNet Community ERC 20 Token for exchange	1st - 3rd March 2022	Yes	R2	To Start
Minting of a test NFT on TestNet Test Fractionalization of the NFT (party bid)	1st - 3rd March 2022	Yes	R1	To Start
A link for the To Be Determined (TBD) property rights (Rights Transfer language RTL)	1st - 3rd March 2022	Yes	R1	To Start
Authentication with user wallets	1st - 3rd March 2022	Yes	R1	To Start
Upload of the inspection report by the community manager, leading to Verification of property. Set up of SPV and determining the RTL	1st - 3rd March 2022	Yes	R1	Later
Testing Phase - 1	25th February 2022	No	R1	Later
Bug Fixes - 1	26th - 28th February 2022	No	R1	Later
Software Release - 1	1st - 3rd March 2022	Yes	R1	Working
Interoperability with other DAOs and their native tokens and assets Centrifuge, CitaDAO, Synthetix,	25th - 27th April 2022	Yes	R2	Later
Extended Interoperability (backward compatibility)	(OPTIONAL)	Yes	R3	Later

of assets from Ownyourhome back to Centrifuge, CitaDAO, Synthetix)				
Interoperability Support for other Ethereum based stable coin test-USDC and test-ETH, test-MATIC Later liquidity with USDC, ETH, XDC (Xinfin) , B3I (reinsurance)	25th - 27th April 2022	Yes	R2	Later
Testing Phase - 2	20th April 2022	No	R2	Later
Bug Fixes - 2	21th - 24th April 2022	No	R2	Later
Software Release - 2	25th - 27th April 2022	Yes	R2	Later