



Client	Vital Point AI
Sponsor	Aaron Luhning
Start	In progress
Est Delivery	30 May 2021
Request	2000 NEAR
Split	40% PM/60% Dev

Top Features	Dev Priorities
Governance	20%
FT/NFTs	30%
Smart Docs	15%
Personas	20%
Platform Int	15%

### Why Support this Project? (Key Highlights)

Vital Point AI is developing Catalyst as an open-source project, reserving the right to use it in commercial activities (OpenSaaS).

- Doing so will benefit NEAR and the NEAR ecosystem in various ways:
- All the components that make up the platform will be made freely available as individual open-source projects;
  - Once each component reaches suitable state of functionality, Vital Point AI intends to use them as projects in educational material on Vital Point Academy to assist with growing the number of developers building on NEAR
  - All the contracts automatically become composable parts of the NEAR ecosystem, to be used according to the specifications outlined in the contract
  - Suggest this project holds massive potential for helping the cause of mass adoption of blockchain technology and increased NEAR chain usage.

### What is the opportunity?

To provide individuals and groups a web 3.0 platform to build a community using an Aragon(esque) DAOaaS model but completely on/native to NEAR. Communities can be:

- Individually focused - supporting an artist/writer/coder/YouTuber or other creative person in their work;
- Project focused - developing applications, providing solutions, or building things; or
- Cause focused – solving larger social problems (environment, social causes, etc...)

On and offline, people naturally congregate in like-minded groups to interact and/or work towards common goals. Various web 3.0 tech (refs) can integrate to provide a community platform that can enable individuals and groups to manage their communities and resources more effectively, efficiently, securely and autonomously than is currently possible with web 2.0 platforms.

In its strongest manifestation, Catalyst can be the catalyst for an evolution of community building platforms. Every modular very modular component of the platform is an evolution that demonstrates the potential, effectiveness and utility of reimagining what applications built on NEAR can do.

### Why does it matter?

Solves a Common Problem. All on/offline communities need a way to effectively interact, communicate, manage resources, and define their overall value. Catalyst provides an alternative to existing centralized platforms and the increasingly negative perspectives associated with them (e.g. data ownership/hacks, identity, censorship, etc...). The tools exist to have more fully autonomous, decentralized, and robust communities that protect their members vice exploit them while giving them the means to increase in value.

Data Sovereignty. Built on NEAR and using Ceramic/IDX/IPFS for document and data storage means the individual can maintain ownership of their data. Applications “read and display” vice “store and display” individual data.

Community Governance. Using DAOs, we can avoid issues related to centralized community control and provide a system (if desired) for members to submit any type of proposal, argue for/against it, vote on it, and automatically receive funding/sp based on the outcome. Catalyst aims to lower the barrier of entry for individuals and groups wanting to experiment with DAOs by providing a one-click deployment and customization.

Identity. NEAR accounts linked to Ceramic smart docs (IDX) sets the stage for personas and distributed identity, providing universal login, reputation, id attestation/verification and selective profiles.

THE SOLUTION

#### ...must...



- Prioritize UX and ease of use
- Provide decentralized community governance capability – one-click DAO setup based on initial governance models that can be customized by community proposals
- Provide NEAR wallet functionality (NEAR is default platform currency)
- Integrate Ceramic smart docs and IDX to facilitate SSI, data sovereignty, content storage, and programmable NFTs
- Use NEAR chain as anchor for those Ceramic elements (and contribute to establishment of Ceramic-NEAR standards)
- Provide NEP-4 based NFT support to use as desired
- Consider composability – modularize everything with view to achieving interoperability between DAOs on the platform and applications in the wider NEAR ecosystem
- Provide means to recognize value of each DAO created
- Provide DAO discoverability (categorized)
- Provide means for community to propose DAO shutdown/deletion
- Provide social mechanisms for developing/interacting with members

#### ...might...



- Evolve to serve as an attestation/verification service for critical information contributing to SSI
- be a foundation for providing additional data that is shared across applications
- look to extend beyond NEAR to other chains (use of bridges)
- document the entire project development/management process as a course for Vital Point Academy
- document development of each component of the platform as a course for Vital Point Academy
- Develop modular voting mechanisms for governance
- Develop additional base governance frameworks (beyond five primitives)
- Continue development beyond this initial scoping – to be determined

#### ...won't...



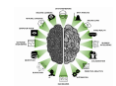
- prevent digital copies of data that is provided (nothing stopping an application from replicating data provided to it).
- Address issues of SSI related to proving a real person is behind a digital persona (can deal with trust associated with interacting with a digital persona)
- Be a separate mobile application (intends to be a responsive/progressive web app)

#### References and Inspiration

- [Ceramic Network](#)
- [IDX](#)
- [Textile](#)
- [3Box](#)
- [Moloch DAO / VP DAO](#)
- [NEP-141/NEP-4](#)
- [IPFS](#)
- [NEAR Accounts and Wallet](#)

#### Project Management Annexes

- Risk Profile
- Work Breakdown Structure
- Project Schedule
- Project Budget
- Issues Log
- Change Log
- Project Status



Vital Point AI

Powering Augmented Cognition



# A COUPLE OF CATALYST EXAMPLE USE CASES



## The Artist

**Objective:** Build and interact with a base of adoring fans interested in their art.

**Needs:**

- Build up their reputation and overall value as an artist in their respective communities
- Sell and distribute their art in a manner that protects its provenance
- Support (financial, social, etc...) to focus on the act of creating
- Regular interaction and accessibility to their fanbase

**Narrative**

Billy is a watercolour painter. He has heard about DAOs and wants to explore them as a possible way of coordinating fans/interest in his art. Arriving at the Catalyst application, he creates a NEAR account (billysart.near) which becomes the self sovereign identity of his fleet. Concurrently an initial supply of billy tokens is minted (social tokens) which he can issue/reward his fans – probably increasing in value as his community and influence grows. After that, with one click, he deploys a DAO contract account. He has no idea what a DAO is and doesn't care, but he does know that there is now a place where his fans can go and ask to be members of his community and submit proposals for what they want him to paint. In a way, it's like commissioning a piece of artwork. He sponsors a proposal and after a period of voting, it passes with 50 votes so he paints it and then mints 25 NFTs of it which he offers for sale to his community knowing at least 50 people are interested in it. Billy is also benefitting from fans who are simply interested in supporting his work/contributing to his community fund hoping to share in the increased value Billy is generating for his token. His community built around the DAO is helping him keep doing what he loves to do.

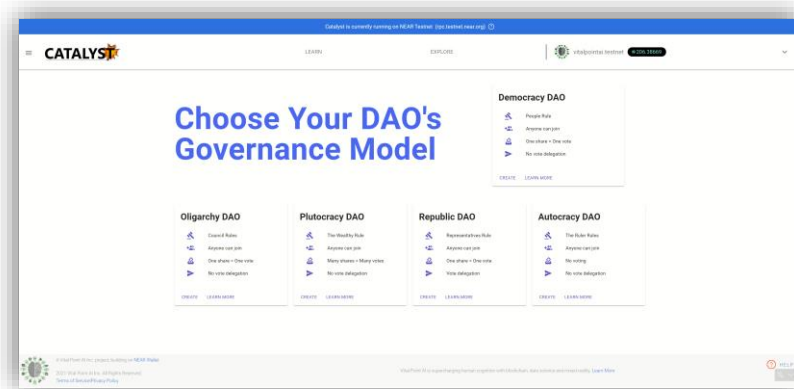


## The Developer

**Objective:** Create software, complete bounties, contribute to projects

**Needs:**

- Increase their overall reputation and value as developer
- Be compensated for work provided
- Support (financial, social, etc...) to focus on the act of developing/contributing to open source and other projects of choice



**Interesting Features:**

- Easy DAO deployment, customizable configuration
- Wallet Integration – everything happens in the app
- Rich profile support – possible to build a reputation within a community and assume/portray a unique identity per NEAR account



## The Guild

**Objective:** Organize, coordinate and support activities that contribute to achievement of the Guild's mission.

**Needs:**

- Increase their overall reputation and value
- Consider and support proposals from guild members
- Grow the guild to garner more sp to achieve guild objectives
- Manage allocation of guild resources in sp of guild objectives
- Interact with guild members
- Support (financial, social, etc...) guild members as they focus on working towards achievement of the guild's mission.

**Narrative**

Aaron is a guild leader. His guild focuses on building NEAR projects using AssemblyScript. Prospective members learn about the guild and visit the guild's DAO to submit a membership proposal request purchasing voting power/contributing to the guild community fund. That gives them the right to propose ideas and request funding for ideas related to the guild's objectives. After discussion, a member will decide to sponsor a proposal and puts it to a vote. If it passes, the idea is resourced from the community bank and that member who proposed it gets to work according to the details of the proposal. The value of the contribution fund continues to increase as the value of NEAR increases, presumably in part because of the value his guild is producing through its idea proposal and funding mechanism. Throughout, his guild's members are earning reputation represented by the value of their individual tokens – all safely stored in a decentralized identity solution thanks to Ceramic/IDX smart docs anchored on the NEAR chain. Aaron can see how his guild is doing relative to other guilds as he's opted to share his guild's activity with other guilds in operation.