Free & Open Grant Proposal Technical Template

Project name

GoVote

Project overview

General

- Please answer the following questions: In 5 lines, what is your project about?
    - A blockchain voting system that can combine both anonymity and notability.
    - It can incorporate various governance modules required for on-chain governance.
    - It is already in operation in political parties in Japan.
    - Easy-to-use UI/UX.
- Why Concordium shall support your project?
  Our voting tools are designed for political parties, so they need to be more privacy sensitive than usual. In this context, a public chain that can be applied to day-to-day business while maintaining anonymity is ideal for us, and we think it's the right use case for concordium.
- Why you/your team are interested to build and develop this project?
  We have been exploring DAO and how it can be implemented in society. As an extension of this, we became interested in voting, which is the foundation of DAO, and while considering its application to various organizations, we came across political parties.

Description

We work based on a "reverse-engineering" approach. We kindly ask you to:

- Define the final product, we like teams who dream a little bit here.
  A blockchain voting system that can combine both anonymity and notability, and can incorporate various governance modules required for on-chain governance.
- Describe in a reverse mode, what are the steps you aim to follow to reach your goal

Final Target:

1. A blockchain voting system that can combine both anonymity and notability, and can incorporate various
   governance modules required for on-chain governance.
2. Implement the following functions and start operation for 2000~3000 users.

What we need to do.

Specifications

Minimum voting specifications required.

- One token is one vote.
- Only one vote can be cast for each proposal. (1)
- Set a minimum approval rate for proposals.
- The content of the proposal is stored in the off-chain and can be viewed only by community members. (2)

Minimum community management specifications

- A member NFT (hereinafter referred to as "member NFT") is issued for each community, and the
- holder of the member NFT is considered a community member.
- The user who has the authority to issue member NFTs can issue member NFTs and add members by giving the NFTs to new members. (This is the so-called invitation system. Since this system is intended to be used in a political party, a community where private voting is conducted, an invitation system is adopted.) (3)
- The community members are the voters for the proposals in the community.
- The following privileges are managed in the member NFT.
    - Authority to issue member NFTs.
    - Authority to create proposals.
    - The authority to grant each authority to other member NFTs.
- When a community is created, a member NFT with all the privileges of the community is issued and given to the creator. (4)

Future improvements

1. Weighted voting and Quadratic voting can be selected when creating a proposal, allowing multiple votes for
   a single proposal. (Improvement of 1)
2. save proposals in the on-chain and make them viewable only by community members. (Improvement of 2)
3. Add a condition for issuing member NFTs to support public communities. (Improvement of 3)
4. Make it possible to change the number of member NFTs issued at the time of community creation and the authority granted to those member NFTs. (Improvement of 4)

Supplemental

- The minimum approval rate is the rate required for a vote to be considered valid.
- Describe the current problems/issues you are encoutering
  Until now, we have been using a blockchain called IOST to operate our voting tools. However, the development environment (documentation and testnet) was not complete, and we were not able to develop sufficiently. So, we have not been able to start zero-knowledge proofing or development.
- Define how Concordium could help you
  It would be helpful if you could answer our questions that arise during the development process.

Submission

Please submit the following (if and when relevant):

- Mockups of any UI components

集計済みの投票

■理念の変更における投票

多くの党員の方から理念について文言の修正に関する意見が寄せられました。

具体的には「大調和」という文言が現状「守る」となっていますが、現在の国際情勢は未だ「大調和」という状態に至っていないことから「守る」という文言は修正を行うべきではないかとのことでした。

＜現在の理念＞
日本の国益と世界の大調和を
守るための党をつくる。

つきましては、理念の変更について次回党大会にて決議を行いたいと考えておりますため、運営党員の意見をお聞きしたく下記の三案にて投票を行います。

投票期間：7月11日(日) 0時00分 ～ 7月18日(日) 0時00分

日本の国益を守り世界に大調和を生み出す。 29.4%

日本の国益を守り世界に大調和を生み出すための党をつくる。 4.5%

今のままで良い。 4.2%

2021/07/11 00:00 - 2021/07/18 00:00
有効投票率 0% 有効賛成率 0% 投票率 38.2 % 投票者数 117人

投票参加割合

投票者数	未投票者数	有権者数
117人	189人	306人

投票率: 38.2%

投票結果

投票は有効となりました

結果: 日本の国益を守り世界に大調和を生み出す。

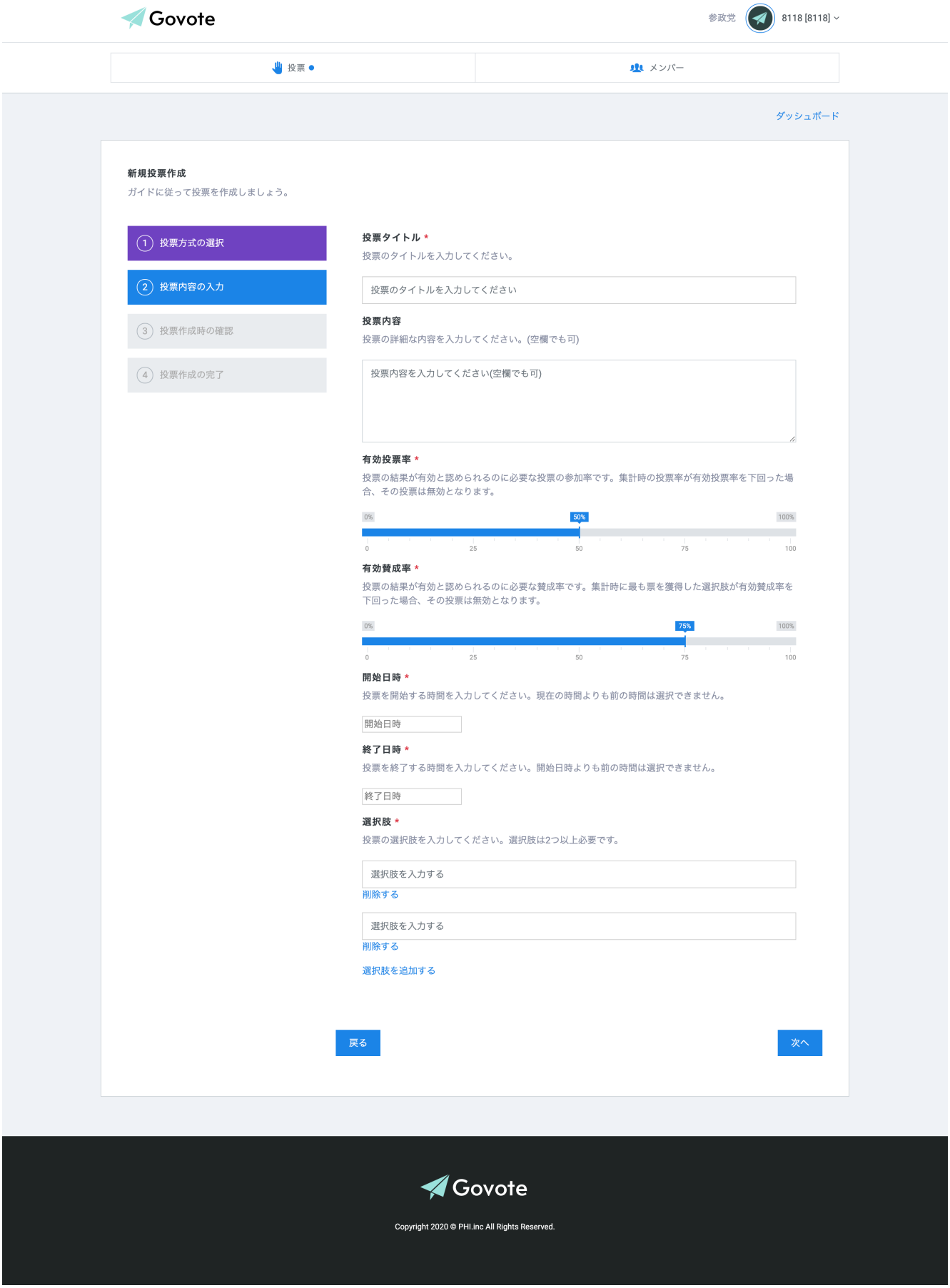
1位 日本の国益を守り世界に大調和を生み出す。 90票 29.4%

2位 日本の国益を守り世界に大調和を生み出すための党をつくる。 14票 4.5%

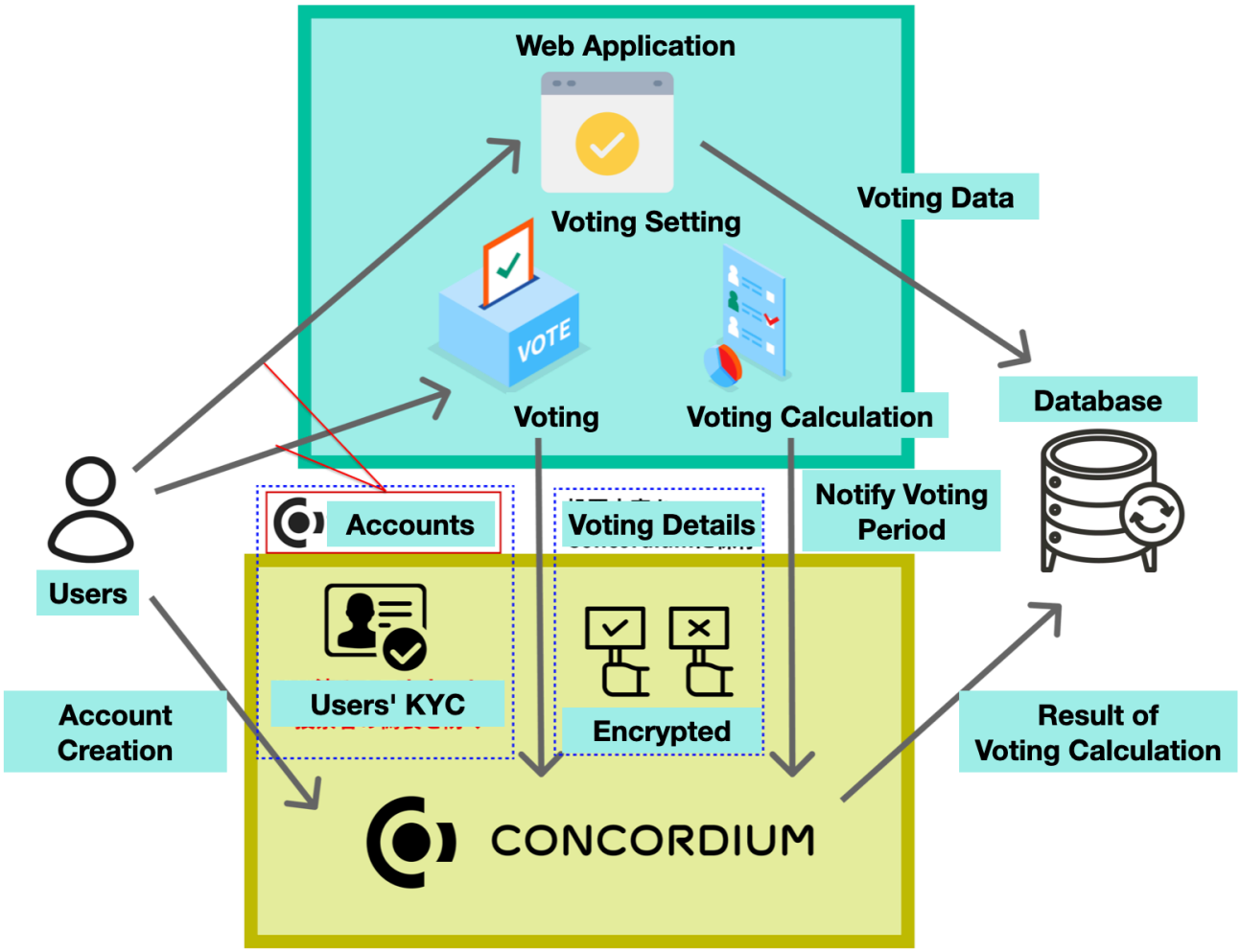
3位 今のままで良い。 13票 4.2%

戻る

投票一覧に戻る



- Tech stack overview



- PoC/MVP

  https://prtimes.jp/main/html/rd/p/000000026.000041312.html

Benchmark

Please name the projects you are compeeting with:

Team

Please make sure to add any relevant web links, i.e. Linkedin or Github/Gitlab for each team member.

- Takashi Oka/CEO
  https://twitter.com/thin9rypto
- Ryosuke Kosako/CTO
  https://github.com/kosamit
- Keishi Shinmachi/software Engneeir
  https://github.com/aiinkiestism
- Yukihiro Arata/Smart contract Arc
  https://github.com/daratao
- Sadafumi Ooka/Chief Designer

Website

Please provide us with your project website
https://phi-blockchain.com/

Legal

If relevant, what's the structure you're going to use in order to develop and commercialise your project? Please provide as much as possible details.

Development

Overview

- Total Estimated Duration: Duration of the whole project (i.e 12 weeks)
- Full-Time Equivalent (FTE): Average number of full-time team members working on the project throughout its duration
- Total Costs: Your needs in fiat or crypto for the whole project. Please keep in mind that it must be below $100k.

Milestone 1

- ED: 10 weeks
- FTE: 3
- Cost: $20,000

Action	Deliverable	Specs
0.1	License	MIT
0.2	Documentation	Voting Process documentation
0.3	Voting tokens	voting and tallying feature where one token is one vote
0.4	Suggestions	Ability and UI to create and view suggestions
0.5	Voting UI	Create a voting UI
0.6	Connect voting tokens to the UI	Control voting tokens from the UI

Milestone 2

- ED: 15 weeks
- FTE: 6
- Cost: $50,250

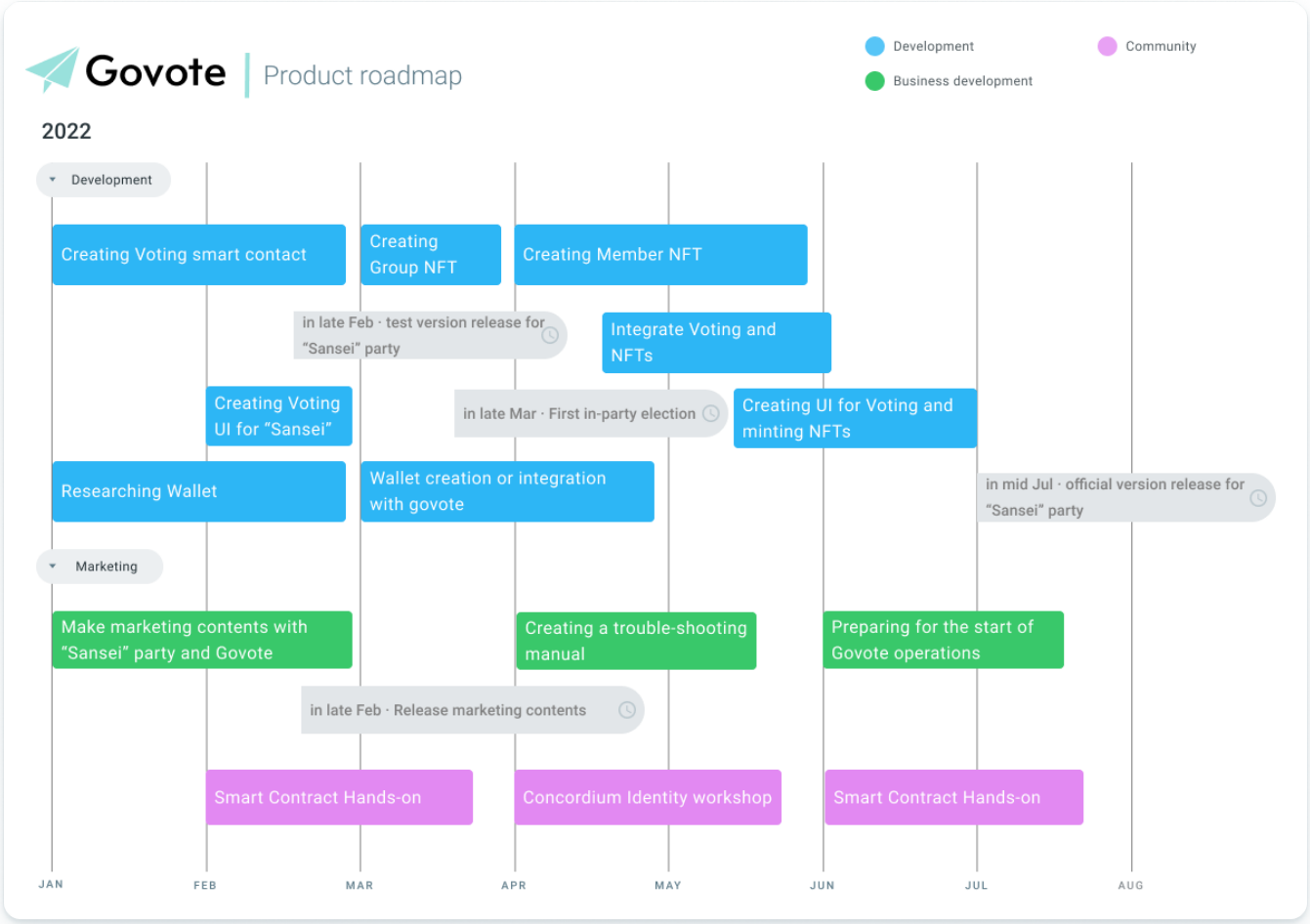
Action	Deliverable	Specs
0.7	Member NFT: mint	Feature: creating communities and managing NFT minting
0.8	Member NFT: authority	Feature: authority management
0.9	Member NFT UI	UI for creating and managing member NFTs
1.0	Voting token and Member NFT connection	Voting token functionality and Member NFT connection

Community and marketing

As a part of the program, we kindly are asking you to produce content that explains your project. It could be videos, blog posts or press hits.
This is a mandatory requirement to get a grant.

What's next?

1. Creating Phase 1 Voting Specifications
2. Development of voting smart contracts
3. Demonstration experiment of Phase 1 voting with "Sansei" party


Govote
Product roadmap
Development
Community
Business development
2022
Development
Creating Voting smart contact
Creating Group NFT
Creating Member NFT
in late Feb · test version release for "Sansei" party
Integrate Voting and NFTs
Creating Voting UI for "Sansei"
in late Mar · First in-party election
Creating UI for Voting and minting NFTs
Researching Wallet
Wallet creation or integration with govote
in mid Jul · official version release for "Sansei" party
Marketing
Make marketing contents with "Sansei" party and Govote
Creating a trouble-shooting manual
Preparing for the start of Govote operations
in late Feb · Release marketing contents
Smart Contract Hands-on
Concordium Identity workshop
Smart Contract Hands-on
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG