

# Ideation Phase


## Brainstorm & Idea Prioritization Template

Date	19 September 2023
Team ID	NM2023TMID00996
Project Name	Electronic Voting System

### Brainstorm & Idea Prioritization Template:

#### Step-1: Team Gathering, Collaboration and Select the Problem Statement


Template



## Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

⌚ 10 minutes to prepare  
🕒 1 hour to collaborate  
👥 2-8 people recommended



### Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

⌚ 10 minutes

A

Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B

Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

C

Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →

1

### Define your problem statement


What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⌚ 5 minutes

PROBLEM


PROBLEM


Blockchain is a technology which enables elections to be done transparently. We can avoid rigging or any corrupt activities using the technology and should be able to make sure that the votes are also accounted for on a real-time basis. Design an electronic voting system, using the ethereum blockchain (smart contracts) and more precisely the RPC test which enables account generation with a private and public key. Blockchain electronic voting system using smart contracts.





### Key rules of brainstorming


To run an smooth and productive session


 Stay in topic.

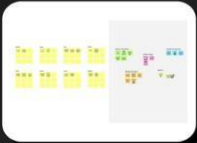
 Encourage wild ideas.

 Defer judgment.

 Listen to others.

 Go for volume.

 If possible, be visual.



### Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#) →

## Step-2: Brainstorm, Idea Listing and Grouping

### Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

**TIP**

You can collect a sticky note for each idea you have.

### Group Ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

**TIP**

Add a sentence-like label to each cluster. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

**RESULTS**

**SARFTHIVES**

**JANUARY VANDER**

**PROVEN**

1. The first group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

2. The second group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

3. The third group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

4. The fourth group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

5. The fifth group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

## Step-3: Idea Prioritization

### Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

**TIP**

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.

**Importance**

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

**Feasibility**

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

Implement secure key management solutions to protect voters' private keys. Encourage users to use hardware wallets or other secure key storage methods to prevent unauthorized access.

Ensure the voting interface is accessible to people with disabilities. Implement features such as screen readers, voice commands, and easy-to-read forms to make the system inclusive.

Implement multi-factor authentication for voter login to add an extra layer of security. This could include a combination of something the user knows (password), something the user has (mobile device), and something the user is (fingerprint).

Provide an offline voting option for areas with limited internet connectivity. Offline votes can be securely recorded and later added to the blockchain when a stable connection is available.

Ensure that the electronic voting system complies with international standards for security, privacy, and data protection, and is subject to a global audit.

Encourage ethical hackers and security experts to participate in public testing and bug bounty programs. Rewarding individuals who find and report vulnerabilities can significantly enhance the system's security.

Use secure and reliable network infrastructure to prevent DDoS attacks and ensure continuous availability of the voting system.

Provide a public blockchain explorer where anyone can verify the votes and the integrity of the election. The system must be transparent by allowing independent verification of the recorded data.

Gather feedback from users after each election to identify any usability issues or concerns. Continuous improvement based on user feedback is essential for the long-term success of the system.

Involve independent organizations or experts to oversee the election process, ensuring fairness and transparency. Their role could include monitoring the system, verifying the code, and auditing the results.

1. The first group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

2. The second group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

3. The third group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

4. The fourth group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.

5. The fifth group of ideas is about the importance of the system. It includes ideas like 'Ensure the system is secure', 'Ensure the system is reliable', and 'Ensure the system is easy to use'.