

Ideation Phase


Brainstorm & Idea Prioritization Template

Date	04 November 2023
Team ID	NM2023TMID11282
Project Name	Electronic Voting System

Brainstorm & Idea Prioritization Template:

Prioritizing security, biometric authentication, and public trust as high-priority initiatives ensures a strong foundation. Medium-priority tasks, such as open-source software and voter verification, enhance system reliability and user experience. Lower-priority activities like ethical hacking and international collaboration can follow, providing continuous improvement and adaptability. This approach ensures a robust, secure, and accessible electronic voting system.

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



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

➦

Team gathering

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

➦

Set the goal

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

➦

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


PROBLEM


How can we improve the efficiency and security of electronic voting systems to ensure a reliable and accessible voting process while addressing concerns related to accuracy, transparency, and cybersecurity?





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.

Step-2: Brainstorm, Idea Listing and Grouping

2 Brainstorm

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

10 minutes

Person 1

- Implement a continuous voter verification system to ensure that voters are eligible to vote. This system could be implemented as a mobile app that voters use to verify their identity and receive a digital receipt for their vote.
- Use biometric verification methods such as fingerprints or facial recognition to ensure that voters are who they say they are and prevent voter fraud.
- Ensure end-to-end encryption of voting data to protect it from interception or tampering during transmission.

Person 2

- Develop a secure voting system that allows voters to cast their ballot from a secure location, such as a secure website or a secure mobile app, and ensures that the ballot is cast securely and cannot be tampered with.
- Combine electronic voting with a physical record for voters.
- Implement multi-factor authentication for voters to ensure the identity of the voter and prevent unauthorized access.

Person 3

- Regularly conduct risk assessments and penetration testing to identify and address vulnerabilities in the voting system.
- Use PIV for secure authentication and authorization, ensuring that only authorized voters can access the system and that the identity of voters is verified.
- Use YubiKey for secure authentication and authorization, ensuring that only authorized voters can access the system and that the identity of voters is verified.

Person 4

- Develop secure authentication and authorization mechanisms for voters, ensuring that only authorized voters can access the system and that the identity of voters is verified.
- Implement a real-time monitoring system to detect and respond to any anomalies or threats during the voting process.
- Conduct routine and periodic audits to ensure the accuracy of the election results and ensure the integrity of the system.

3 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

VoteSmart offers educational resources, including articles, videos, and infographics, to help voters understand complex policy issues and the electoral process.

Introduce gamification elements to incentivize participation, such as earning badges or points for engaging in discussions, verifying information, and casting vote.

Step-3: Idea Prioritization

