Ideation Phase

Brainstorm & Idea Prioritization Template

Date	29 october 2023
Team ID	NM2023TMID03930
Project Name	Biometric security system for voting platform
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization

- Gather a diverse team of stakeholders and subject matter experts for the brainstorming sessions. Different perspectives lead to more creative ideas.
- Set ground rules to create a judgment-free environment. Encourage wild and unconventional thinking. Avoid critiquing or evaluating ideas during brainstorming.
- Use creative stimuli like random words, provocative images, or challenging questions to spark imaginative thinking.
- Build on others' ideas by combining, adapting, elaborating or finding associations. Use techniques like piggybacking or yes anding.
- Capture every idea using sticky notes, whiteboards, mind maps or ideation software. Categorize ideas into groupings as patterns emerge.
- Schedule brainstorming sessions in short bursts over multiple days. Let ideas incubate in between sessions.
- Maintain momentum by keeping sessions fast-paced. Use timers or set a goal for number of ideas.
- Invite end users or customers to participate and contribute their perspectives.
- Analyze the ideas after the brainstorming by grouping similar ones, evaluating feasibility, finding connections, prioritizing or voting on favorites.
- Keep iterating even after initial brainstorming by seeking fresh perspectives and revisiting earlier concepts. Maintain an open, creative mindset.

Problem Statement:

- Current voting systems are vulnerable to fraud and tampering due to lack of voter identity verification. This compromises the integrity of the democratic election process.
- A biometric security system linked to voter registration databases could provide enhanced voter authentication and help prevent voter impersonation and voting fraud.
- However, such a system needs to be designed with high usability, accessibility, and security in mind to be accepted by the public and election regulators.

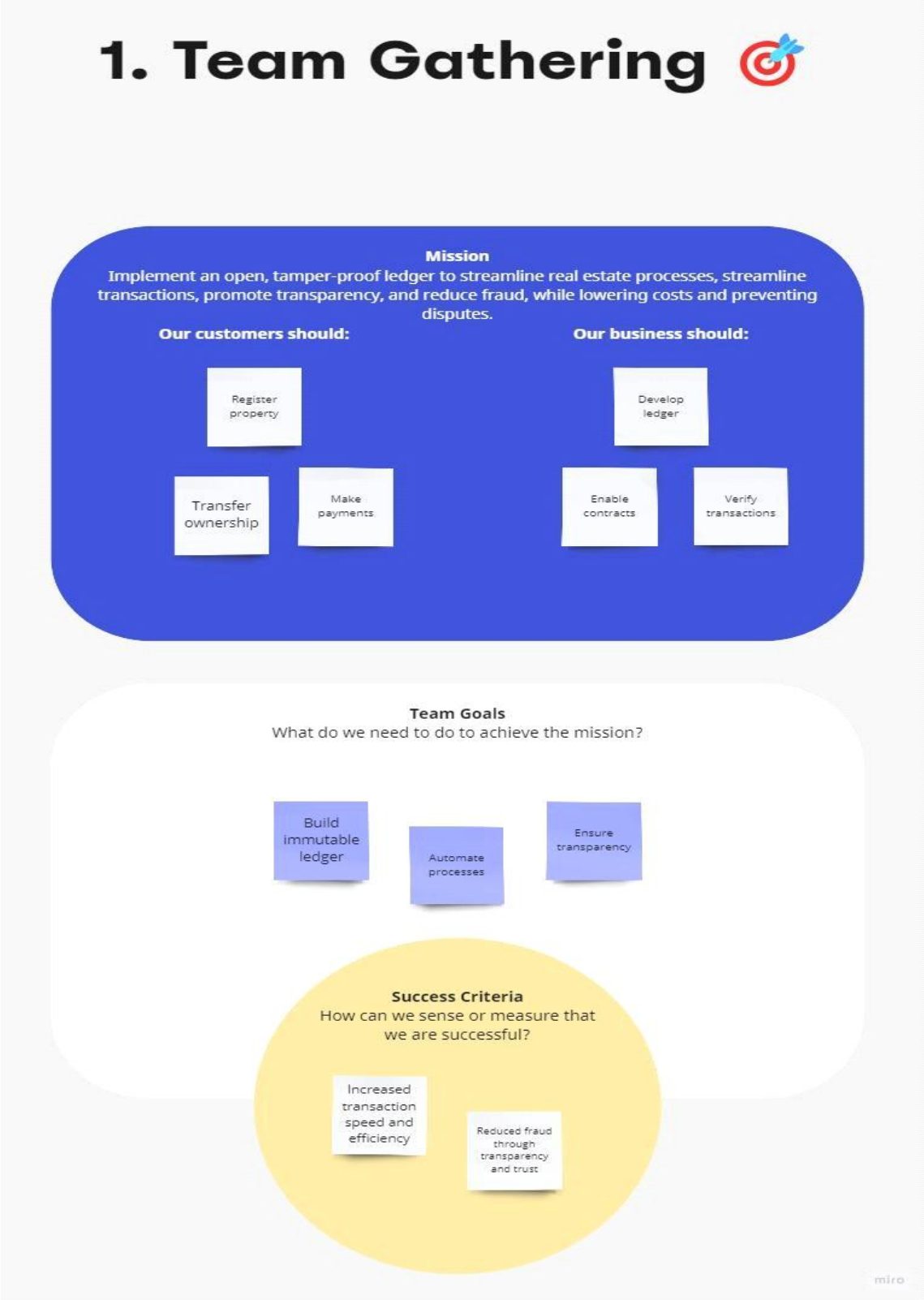
Team Gathering:

- Assemble a project team with expertise in biometric technology, hardware/software development, cybersecurity, accessibility design, election administration, and user experience design.
- Key roles needed: biometrics lead, engineering lead, elections domain expert, accessibility expert, security lead, project manager.
- Recruit team members from leading technology vendors and systems integrators as well as election agencies and nonprofits.

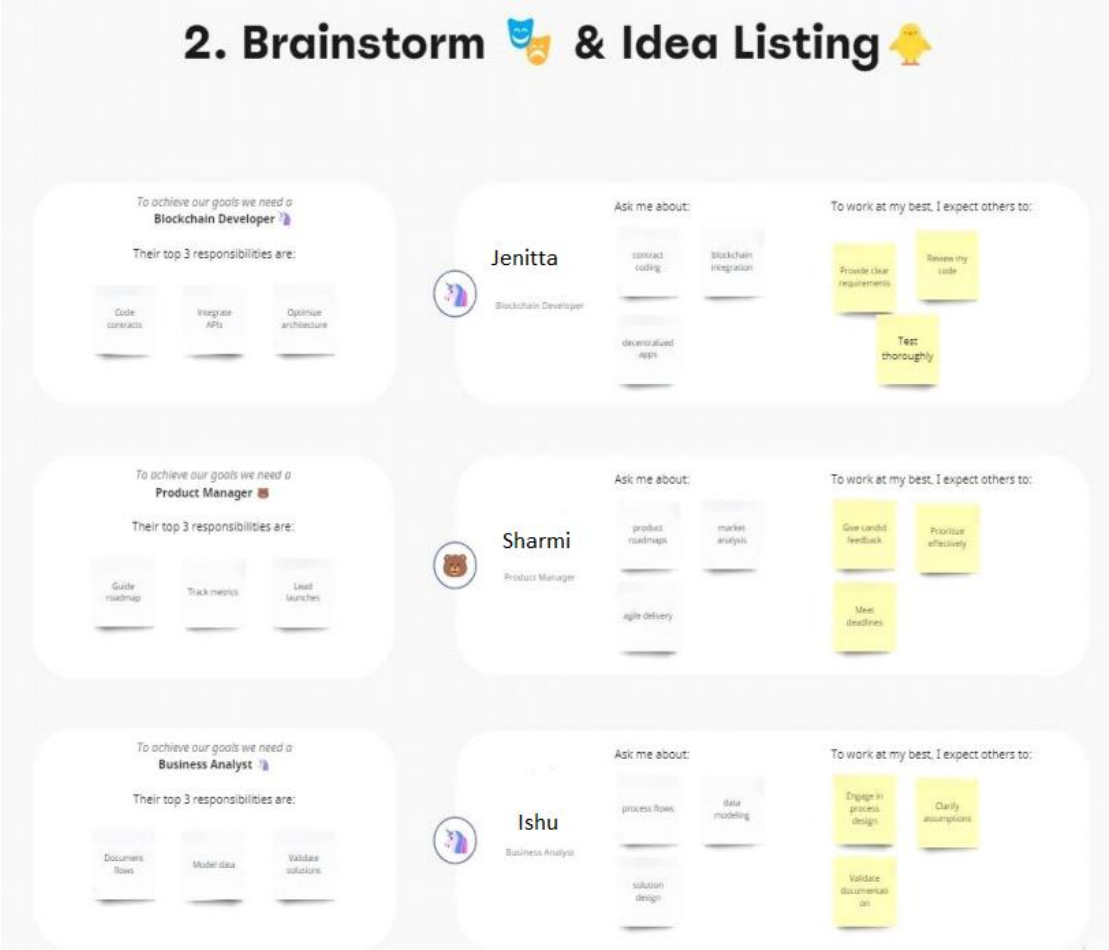
Collaboration Approach:

- Hold project initiation workshop to align on vision, objectives, requirements.
- Adopt agile development approach with iterative prototyping and user testing.
- Set up secure collaboration platforms for project management, design reviews, bug tracking.
- Implement role-based access controls and compartmentalized data to maintain security.
- Foster close collaboration between engineers, designers, election experts, and accessibility specialists.
- Conduct regular team meetings and demos for status updates and gathering feedback.
- Develop clear communication plans for status reporting to stakeholders.

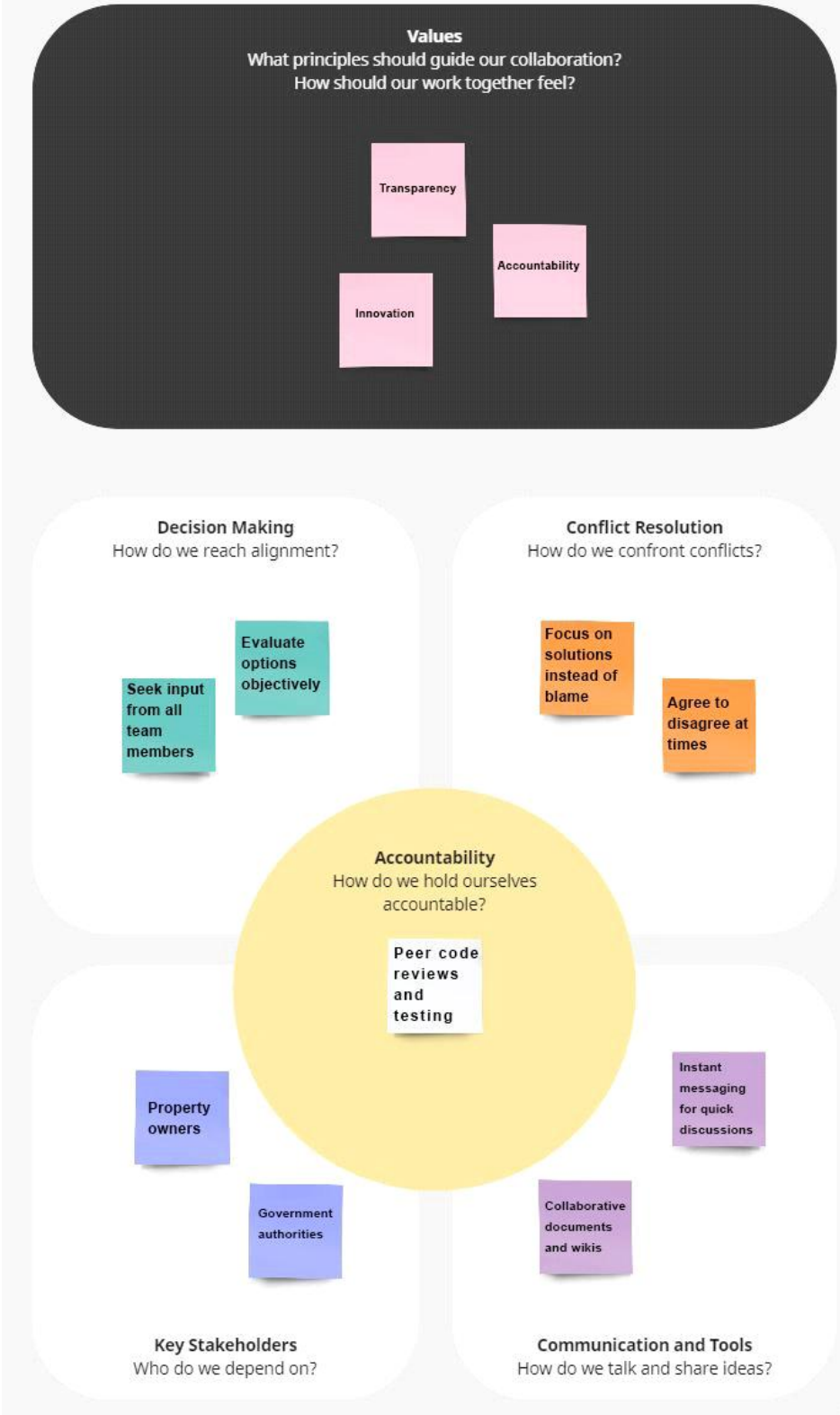
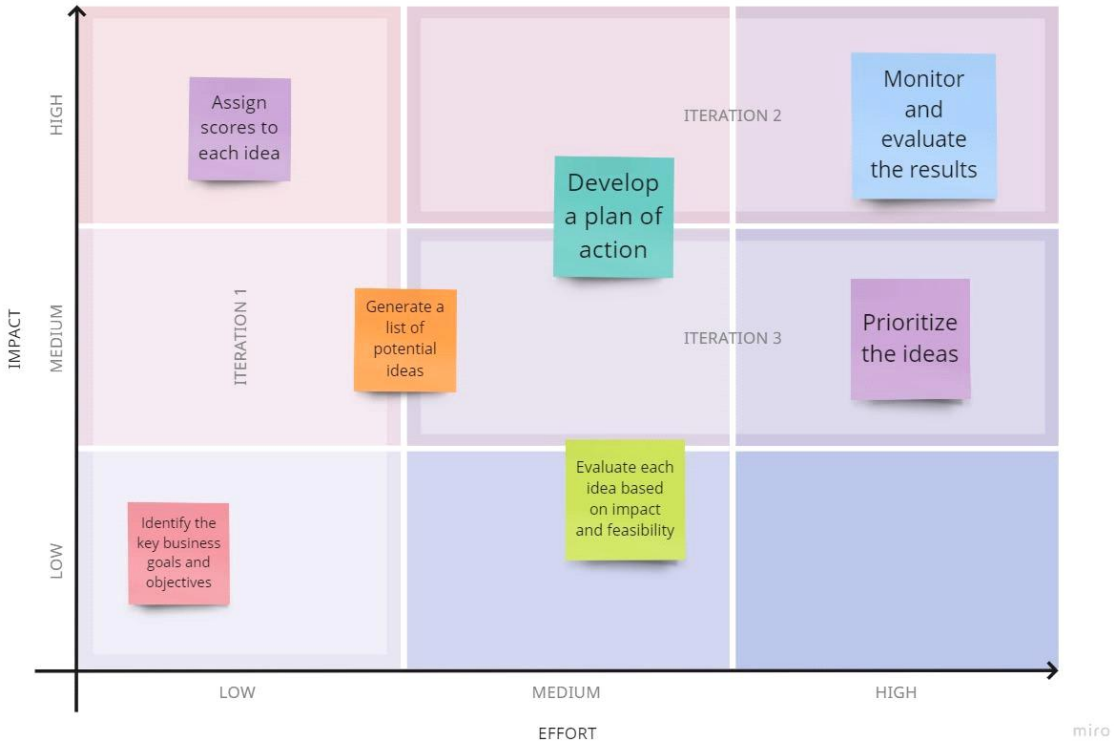
Step 1-Team Gathering And Collaboration:



Step-2: Brainstorm, Idea Listing and Grouping



3. Grouping 📜


Values
What principles should guide our collaboration?
How should our work together feel?
Transparency
Accountability
Innovation
Decision Making
How do we reach alignment?
Evaluate options objectively
Seek input from all team members
Conflict Resolution
How do we confront conflicts?
Focus on solutions instead of blame
Agree to disagree at times
Accountability
How do we hold ourselves accountable?
Peer code reviews and testing
Property owners
Government authorities
Instant messaging for quick discussions
Collaborative documents and wikis
Key Stakeholders
Who do we depend on?
Communication and Tools
How do we talk and share ideas?
miro

Step-3: Idea Prioritization