Ideation Phase
Brainstorm & Idea Prioritization

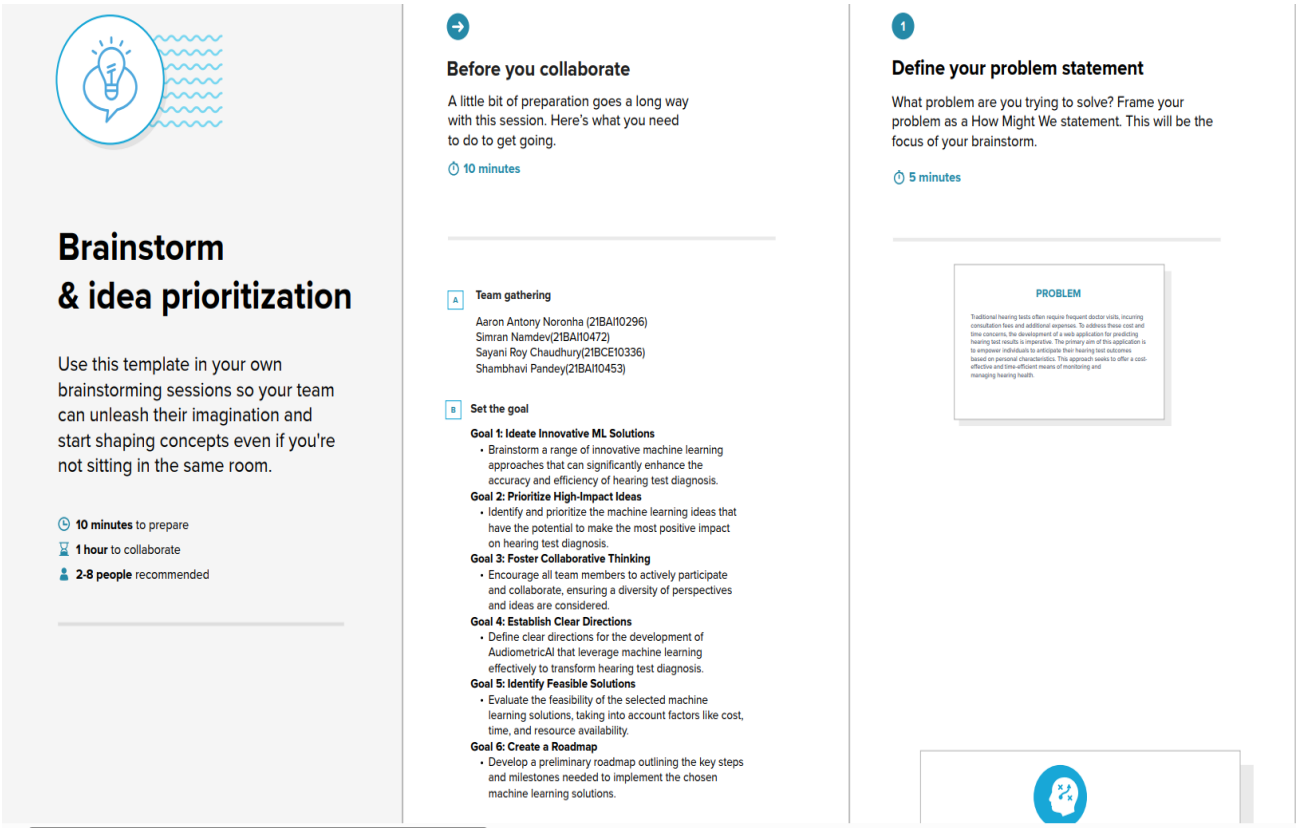
Date	18 October 2023
Team ID	Team-591549
Project Name	Audiometric AI: Transforming Hearing Test Diagnosis Through ML
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

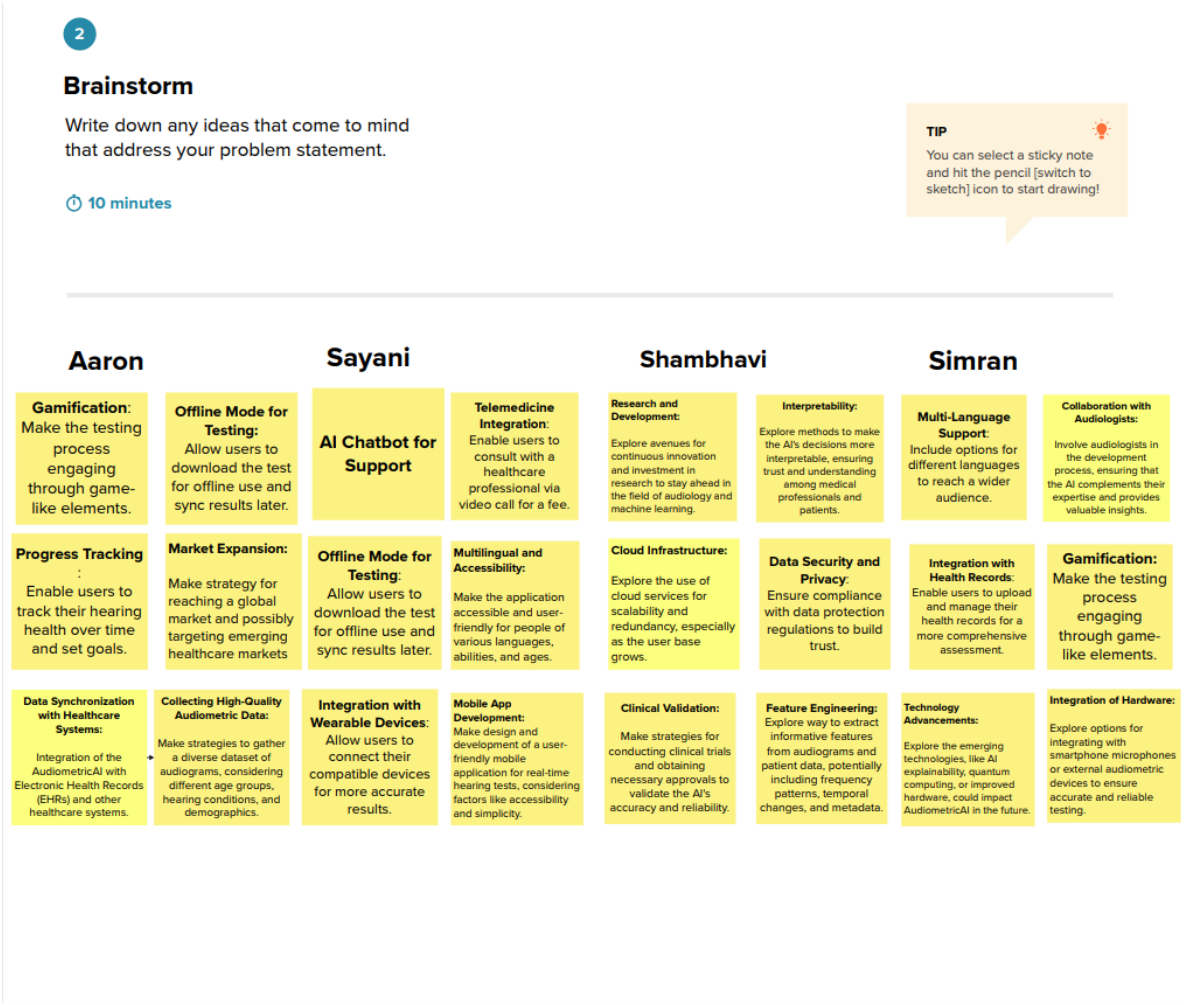
Brainstorming provides a free and open environment that encourages everyone within our Audiometric AI team to participate in the creative thinking process, aimed at transforming hearing test diagnosis through machine learning. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solution.

Reference: https://www.mural.co/templates/empathy-map-canvas

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



Step-2: Brainstorm, Idea Listing and Grouping



Step-3: Idea Prioritization

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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 and break it up into smaller sub-groups.

20 minutes

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Data Collection and Diversity:

1. Strategies for diverse dataset.
2. Considering different age groups, hearing conditions, and demographics.

User Experience and Accessibility: 3. Making the application accessible for people of various languages, abilities, and ages.
Integration of Hardware: 4. Exploring options for integrating with smartphone microphones and external audiometric devices for accuracy.
Progress Tracking: 5. Enabling users to track their hearing health over time and set goals.
Offline Mode for Testing: 6. Allowing users to download tests for offline use and sync results later.
Data Synchronization with Healthcare Systems: 7. Integrating AudiometricAI with Electronic Health Records (EHRs) and other healthcare systems.
Cloud Infrastructure: 8. Exploring cloud services for scalability and redundancy as the user base grows.
Telemedicine Integration: 9. Enabling users to consult with healthcare professionals via video calls for a fee.
Data Security and Privacy: 10. Ensuring compliance with data protection regulations to build trust.
Interpretability: 11. Exploring methods to make AI decisions more interpretable, ensuring trust and understanding among medical professionals and patients.
Integration with Health Records: 12. Enabling users to upload and manage their health records for a comprehensive assessment.
Collaboration with Audiologists: 13. Involving audiologists in the development process to complement their expertise.
Gamification: 14. Making the testing process engaging through game-like elements.

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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.