

Ambient AI Design Ideation.

SUNO | Voice Interface App

Background.

Ambient AI refers to artificial intelligence that operates in the background—quietly observing, listening, and assisting without the need for direct user interaction.

In clinical settings, ambient AI is increasingly used to ease documentation burdens by passively recording doctor-patient interactions and auto-generating clinical notes. Instead of typing notes after every visit, clinicians can focus on patient care while the AI organizes relevant details in real time.

Ambient AI offers a way to reduce physician burnout, streamline workflows, and improve care delivery—especially for complex, emotionally demanding medical domains like oncology.

Problem Statement.

Elderly patients undergoing oncology treatment often rely on caregivers to help them recall and understand complex medical information shared during appointments. However, both patients and caregivers can struggle to accurately capture details due to stress, emotional fatigue, or cognitive overload.

How might we design a tool that can unobtrusively record and process conversations during oncology visits, and generate clear, accessible summaries to support recall, reduce documentation burden, and improve care continuity?

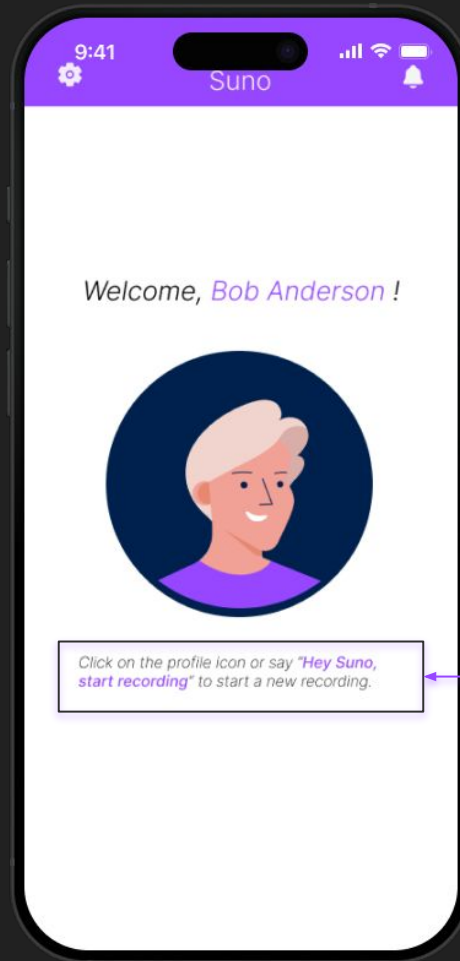
Ideation.

1. A **conversational AI assistant** integrated with the tool to allow users to ask questions about past appointments and retrieve specific medical details (similar to ChatGPT but task-specific).
2. **Real-time summary generation of key discussion points** like medication changes, follow-ups, and side effects.
3. A **dashboard** for patients and caregivers with clear, accessible summaries and the **ability to search past conversations**.
4. Ethical alignment by **protecting patient autonomy, enabling caregiver collaboration, and maintaining trust** in how sensitive health data is recorded, shared, and used.

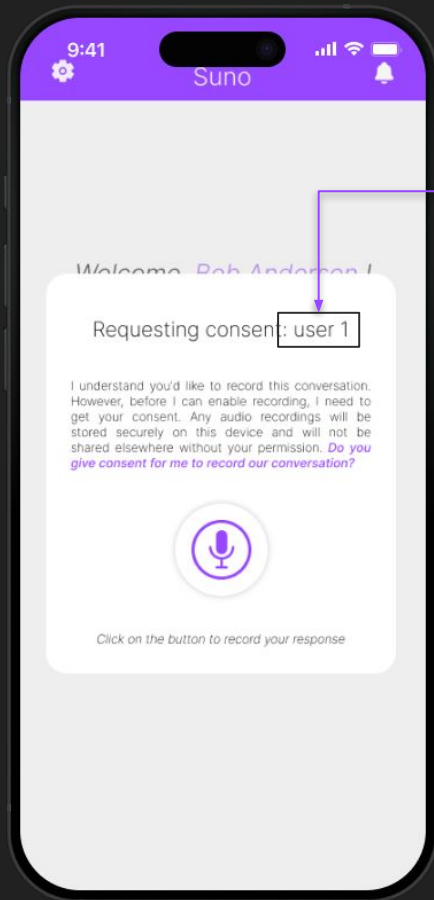
Ideation.

We named our app **Suno** to reflect a part of our cultural identities. As a voice-powered assistant, we wanted the name to resonate with the **core functionality of the app: listening**. Drawing from our team members' Indian and Nepali heritage, we chose the name *Suno*, which means "listen" in Hindi. Its counterpart in Nepali, *Sunnu*, carries the same meaning, symbolizing attentiveness and understanding. By incorporating these linguistic and cultural elements, we aimed to bring a personal and meaningful touch to the project, celebrating who we are as a team while creating a universally accessible tool.

Home Page



Allows activation through voice and touch commands



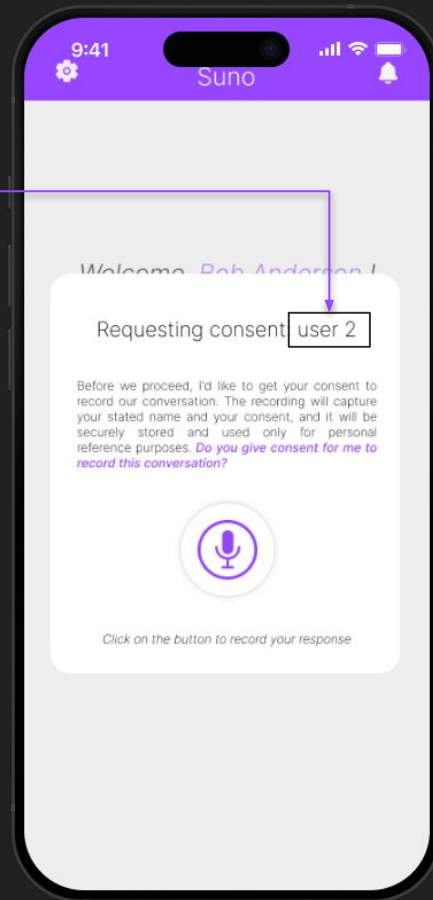
User 1: First person, recording the conversation.

Patient, Mr. Anderson

User 2: Second person, also being recorded.

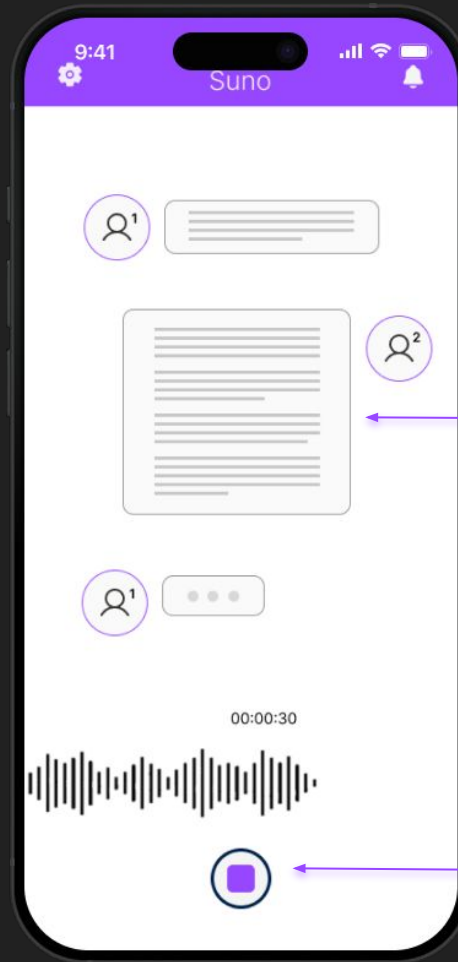
Doctor, Dr. Smith

Before the recording starts, the system prompts the user(s) to provide consent for recording the conversation.



Recording in Progress

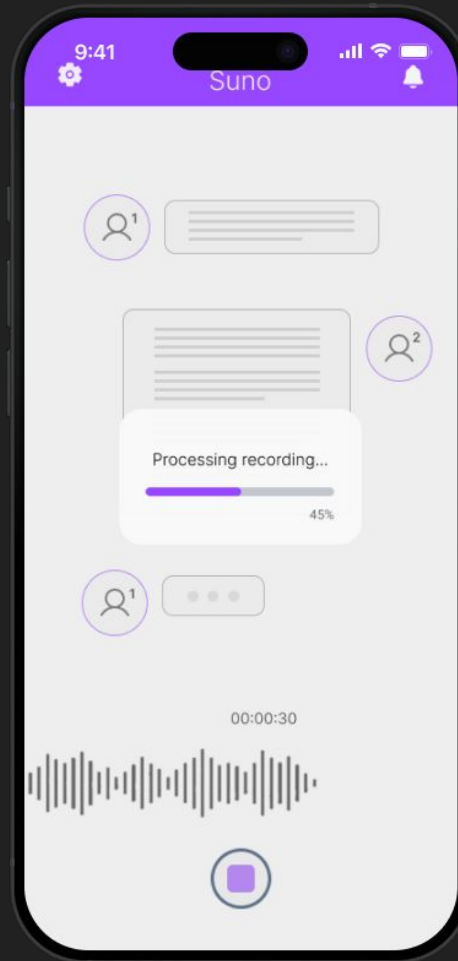
(Assuming both parties have given the consent to record)



The system would process a transcript of the conversation in real-time.

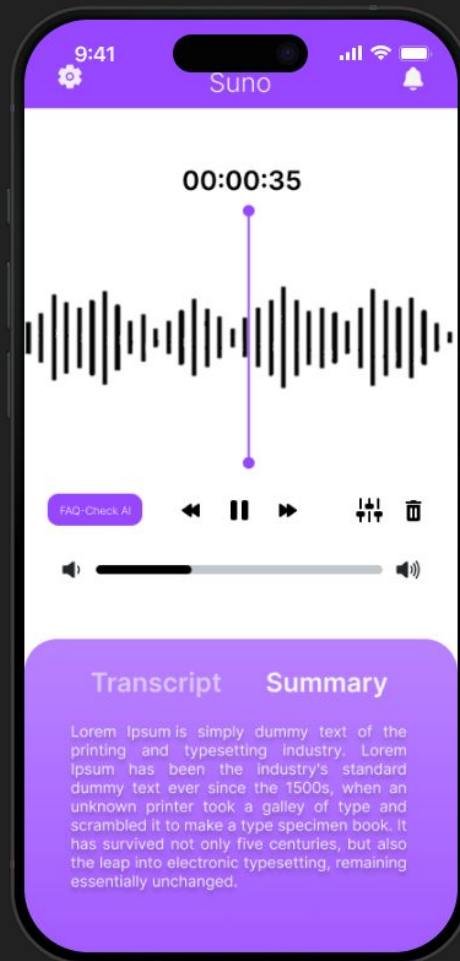
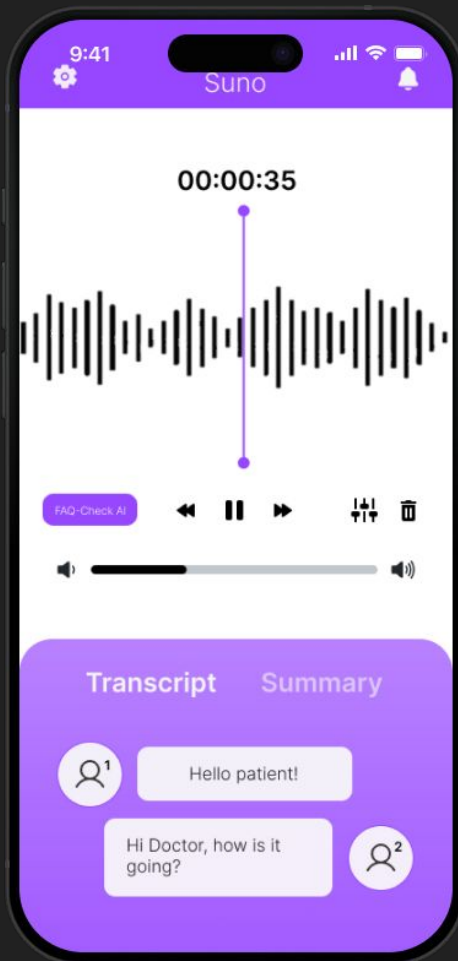
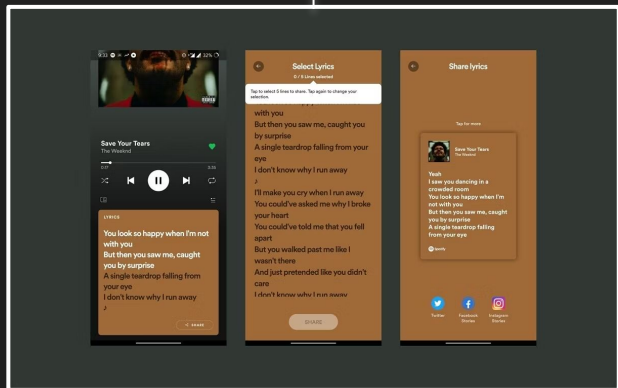
Start/Stop recording button

System initiates audio to text conversion to generate summary and store the information in the database.



The transcript and summary of the entire conversation.

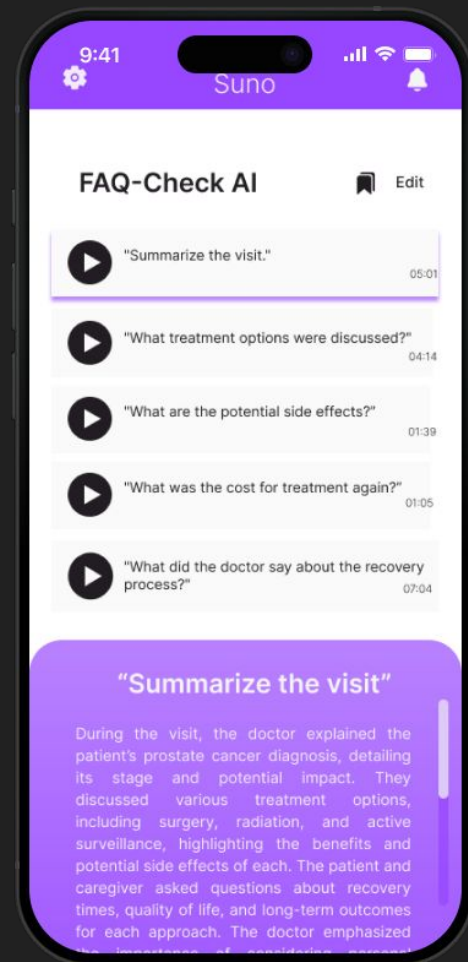
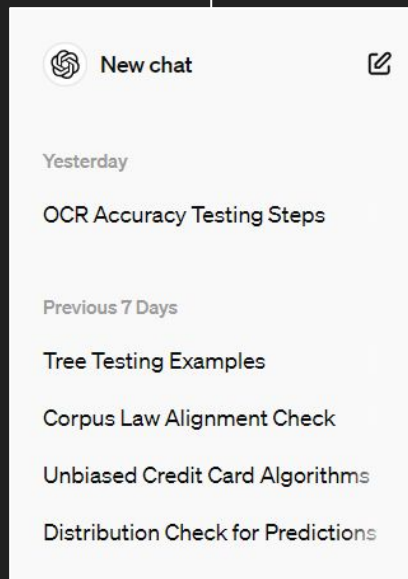
Inspired by Spotify's UI displaying lyrics under songs



FAQ-Check is an in-app conversational AI feature that allows users to ask specific/detailed questions regarding their conversation.

It stores these conversations in the FAQ-Check AI menu, naming each of them based on the topic of conversation.

Inspired by ChatGPT UI



Conclusion.

This project centered on developing design solutions through conceptual ideation and user interface design, tailored to the given problem statement. Due to time constraints, we did not conduct usability testing or include steps like user research, persona development, journey mapping, or iterative prototyping—elements typically found in a full product design process. Despite these limitations, the project successfully delivered a thoughtful and functional design. With additional time and resources, future iterations could build on this foundation through a more user-centered approach and real-world validation.