

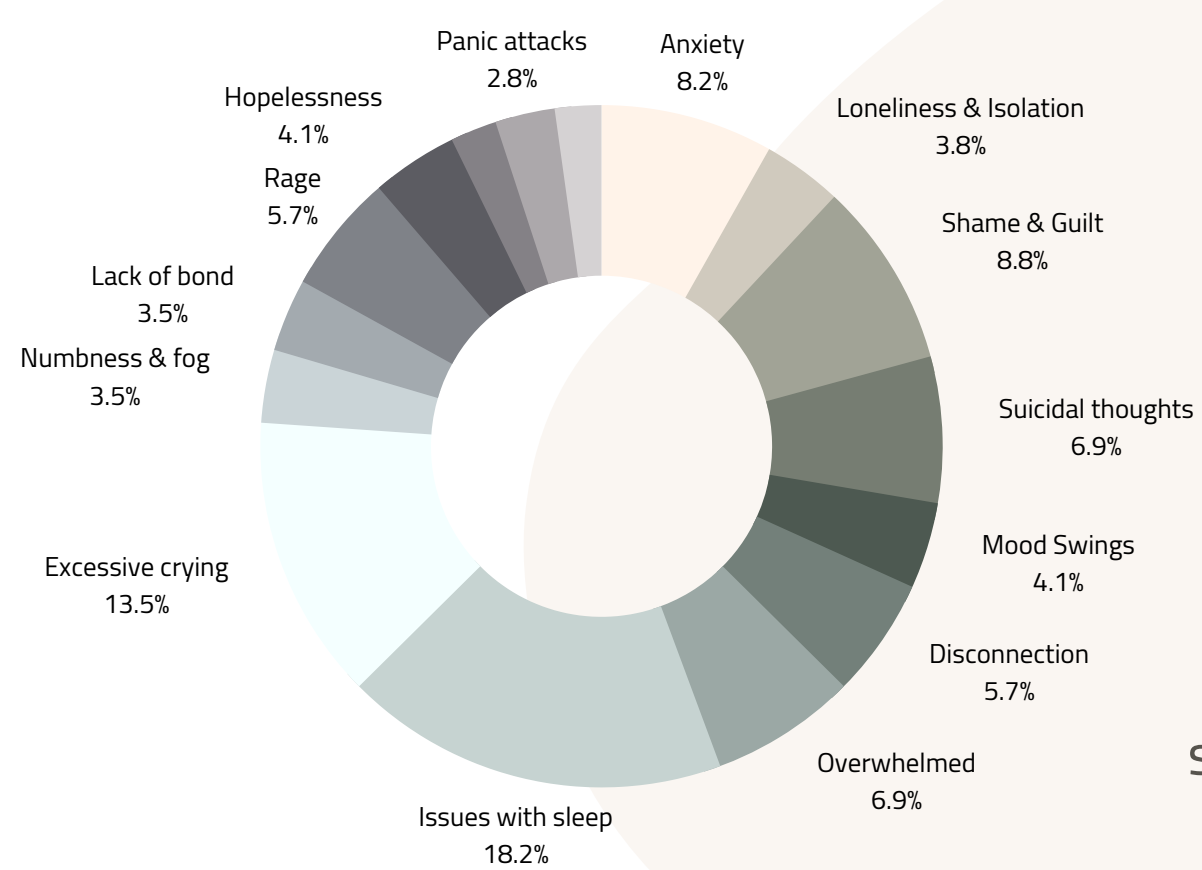
Luna

A tabletop lamp, speaker, and app system that utilizes the benefits of AI, white noise, and light simulation therapy for better sleep and relationship between a mother and her baby.



Problem:

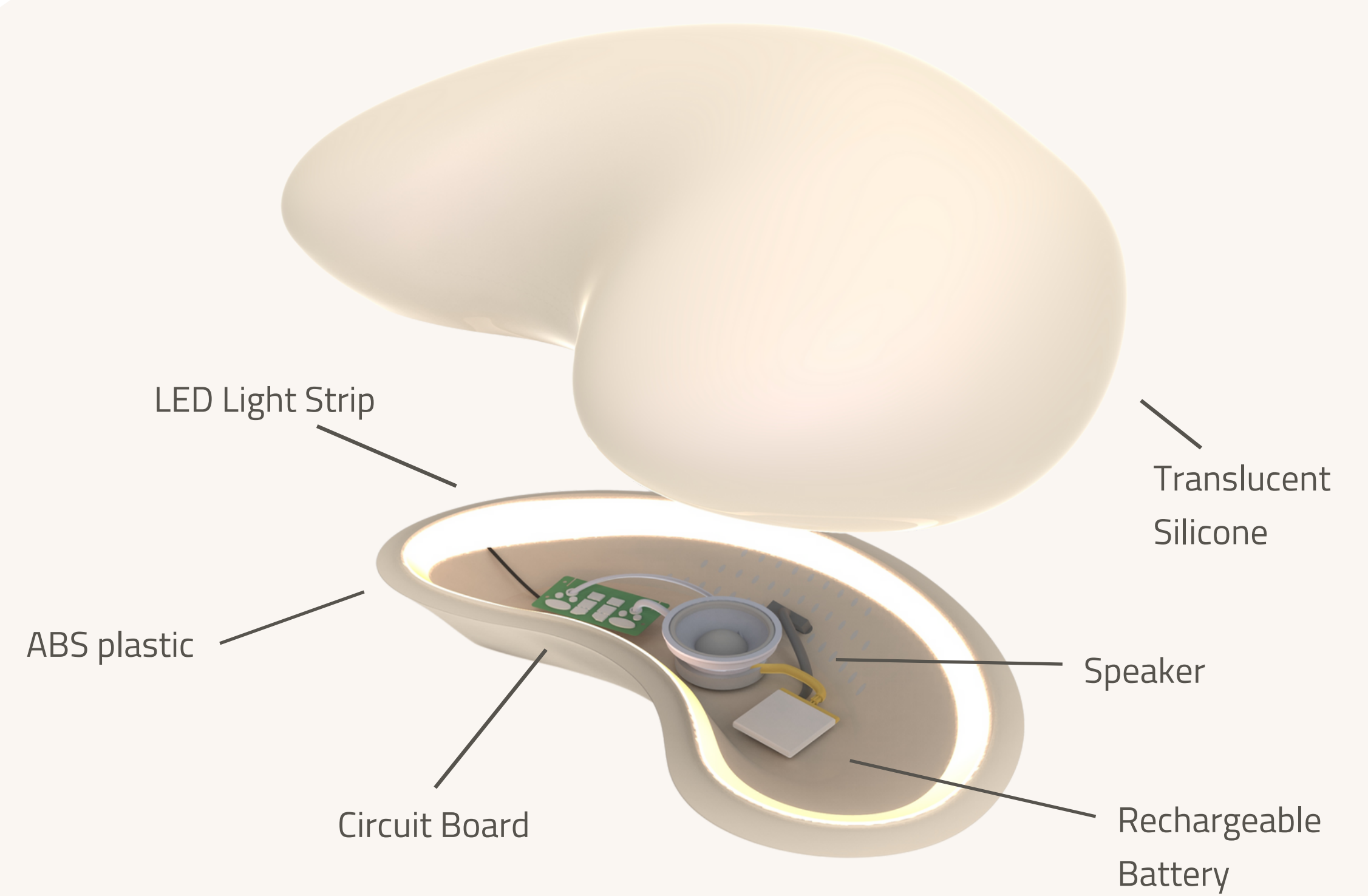
Having a newborn can be incredibly challenging for a variety of reasons. In this time of high stress, there are many changes occurring biologically and environmentally. Issues with sleep was one of the most cited problems that mother's complained of with a newborn. These stressors and lack of sleep can put a strain on the bond between the mother and her baby.



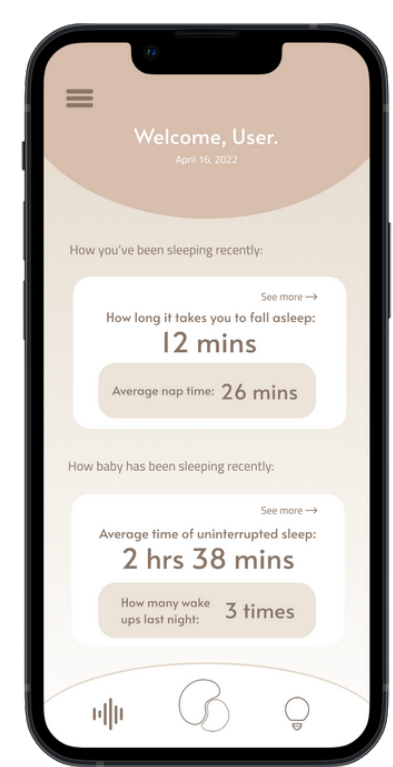
Resolution:

Creating an optimal sleep environment for both the mother and the newborn to help soothe both individuals, as well as strengthening their bond by being able to maintain similar schedules. Through the benefits of white noise, light simulation therapy, as well as AI powered smart sleep support, both the mother and the infant can achieve optimal rest while strengthening their relationship.

Tabletop Lamps & App System



Landing Page



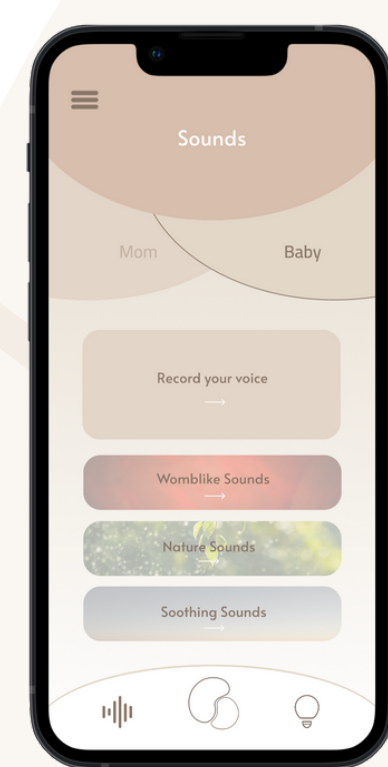
Home Page



Lighting Page

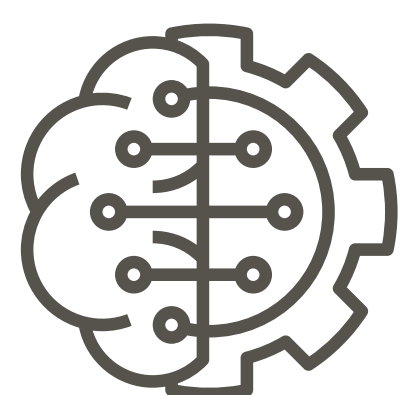


Mom Sounds Page



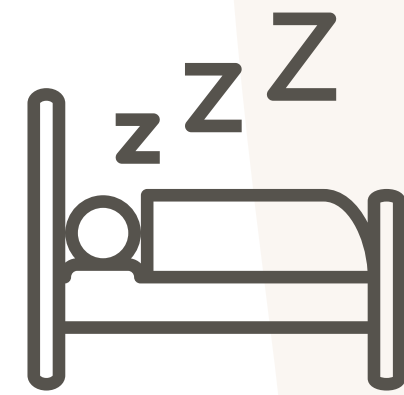
Baby Sounds Page

Key Features:



AI Powered

- Microphones and an accelerometer monitors the sleep and wake patterns of both mother and infant
- The AI system adjusts the white noise and lighting systems according to how long each individual takes to fall asleep and wake up
- The AI system also allows insight into both individuals sleeping patterns



Nap Times

- Newborns sleep for 2-3 hours at a time, during this period the mother is encouraged to also rest or nap for optimal alertness through the rest of the day and limit irritability
- The app encourages and gives alerts for the mother to take a nap for no longer than 20 minutes a day in order to not interfere with sleeping at night



Schedule

- The system gently encourages the users into having a set sleep and wake schedule
- For wake up times, gentle wake up noises will increase in volume along with the light intensifying for the user to awaken
- The AI system monitors and maintains their sleep schedules to align with each other that allows for the bond between both users to strengthen



Environment

- Through the use of white noise and light simulation therapy, a soothing sleep environment is created
- The light settings along with the white noise options can be controlled through the app
- The lights adjust with the surrounding environment and have different settings for sunrise light, daylight, sunset light, and nighttime lighting