

HearRite: An Economical Alternative to Hearing Aids

Why Hearing Aids?

17% of American adults report some degree of **hearing loss** which can be **frustrating** and **inconveniences** in everyday life

Unfortunately, the high cost of a hearing aid makes them an impractical solution to many

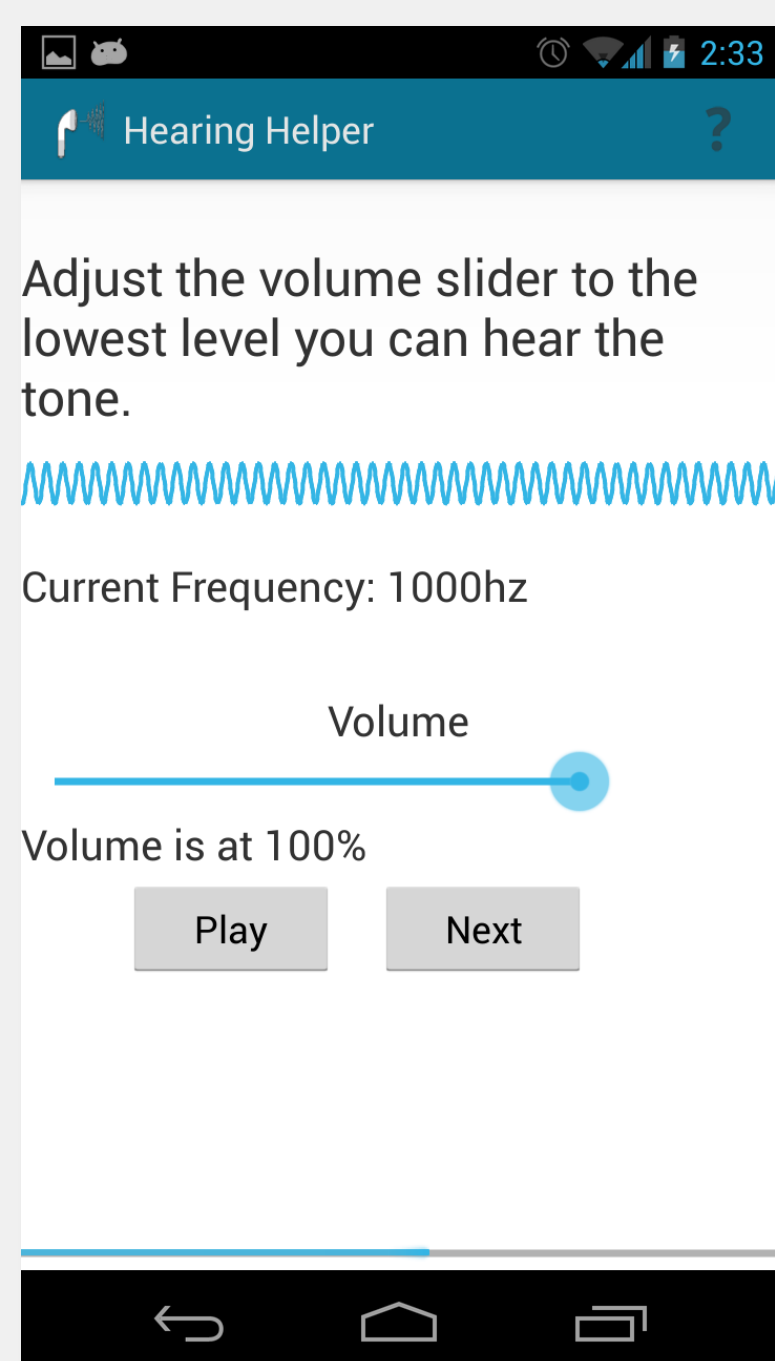
\$4,000,000
(Average cost of a hearing aid)

Solution

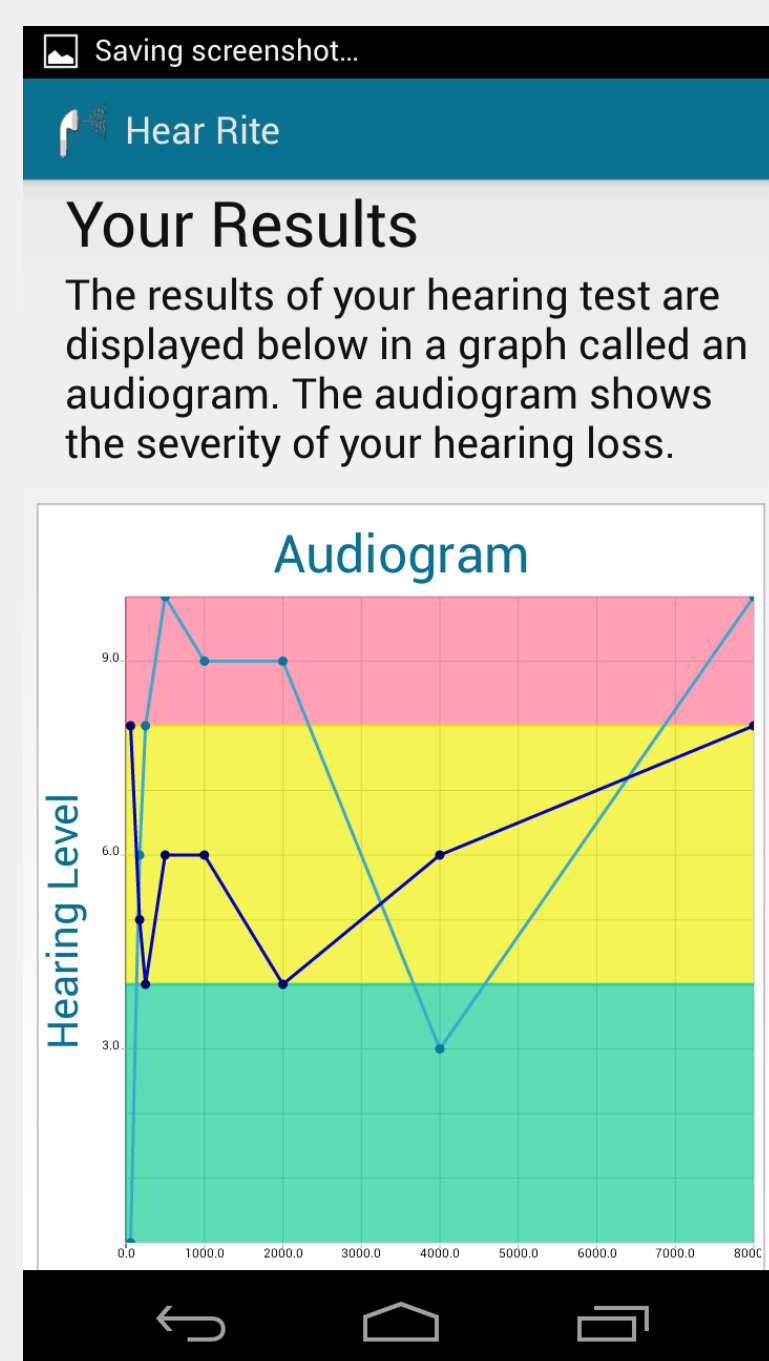
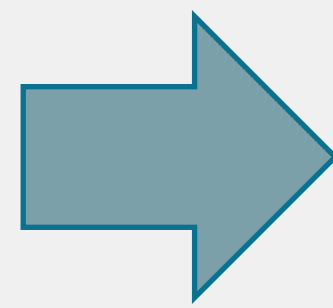


We developed **HearRite** a **free** Android mobile application that **diagnoses** hearing impairments and provides a **convenient, economical** alternative to hearing aids

Step 1: Hearing Test



Take the hearing test for each ear

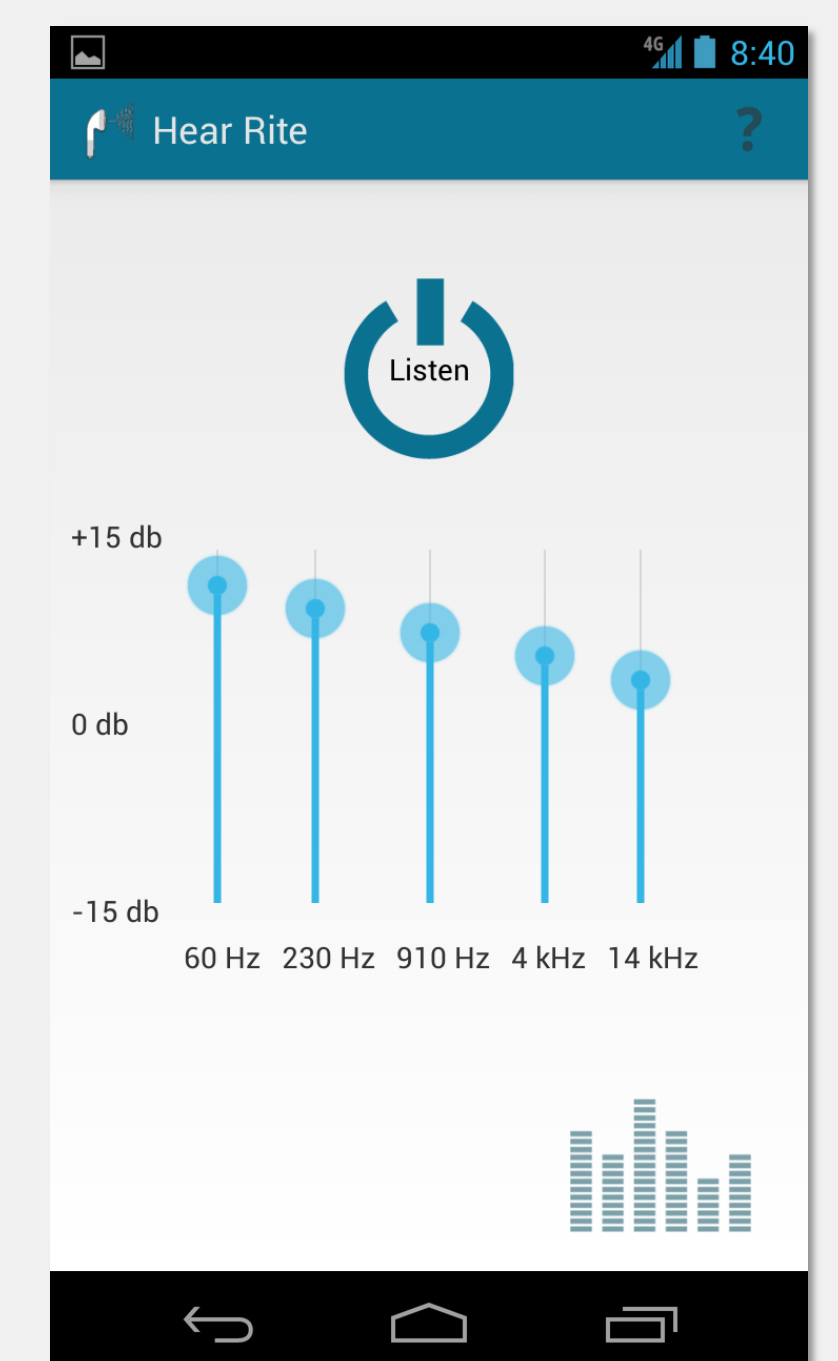
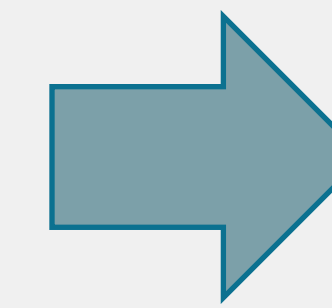


Provide feedback on their results

Step 2: Hearing Aid



Listen to surroundings using earphones



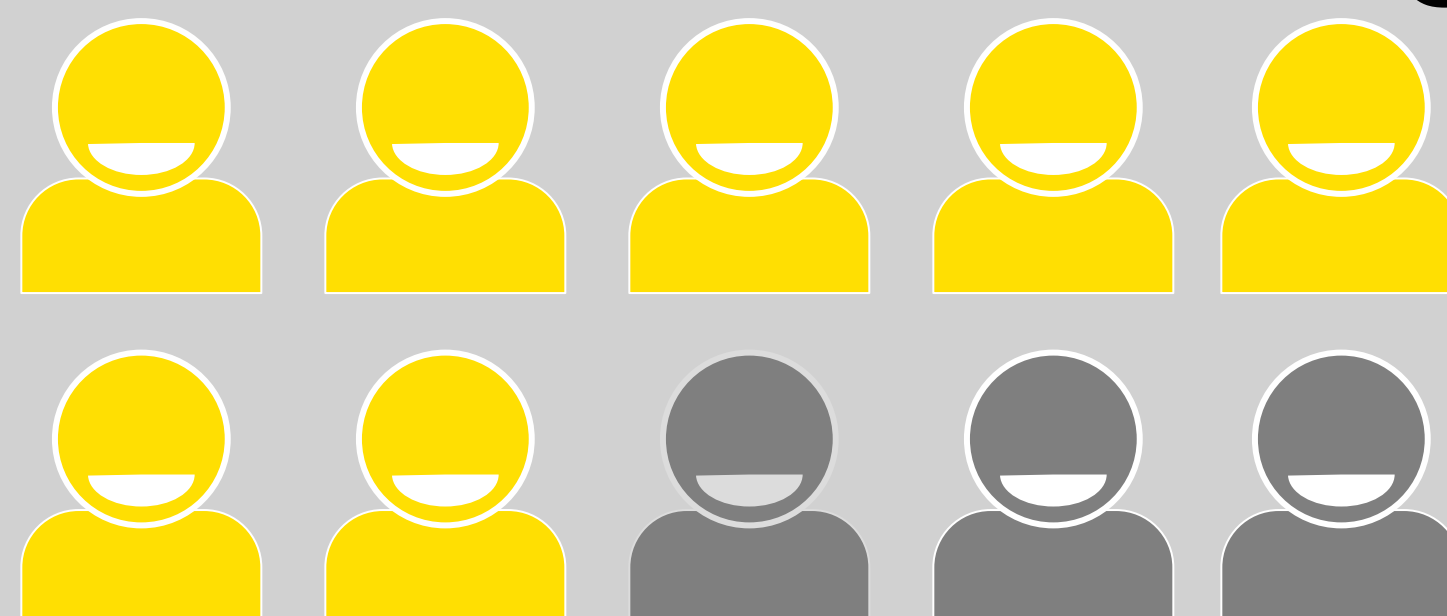
Adjust sound output using a built-in equalizer

Evaluation

"[Hear Rite] improves the loudness of desired sound"
- Participant 6



7/10 of our participants found it **useful** and **interesting**



What's Next?

- Connect hearing test results with hearing aid for more customized experience
- Minimize the sound delay