The audiometry project is a software application designed to address the assessment of hearing ability, particularly for clinical and diagnostic purposes. Its primary purpose is to perform audiometric testing, which involves measuring an individual's hearing thresholds across various frequencies. This project aims to solve several key problems and fulfill the following goals:

Purpose:

- Hearing Assessment: The project's main purpose is to provide a platform for conducting hearing assessments and audiometric tests, allowing healthcare professionals to determine the hearing ability of patients.

Key Features:

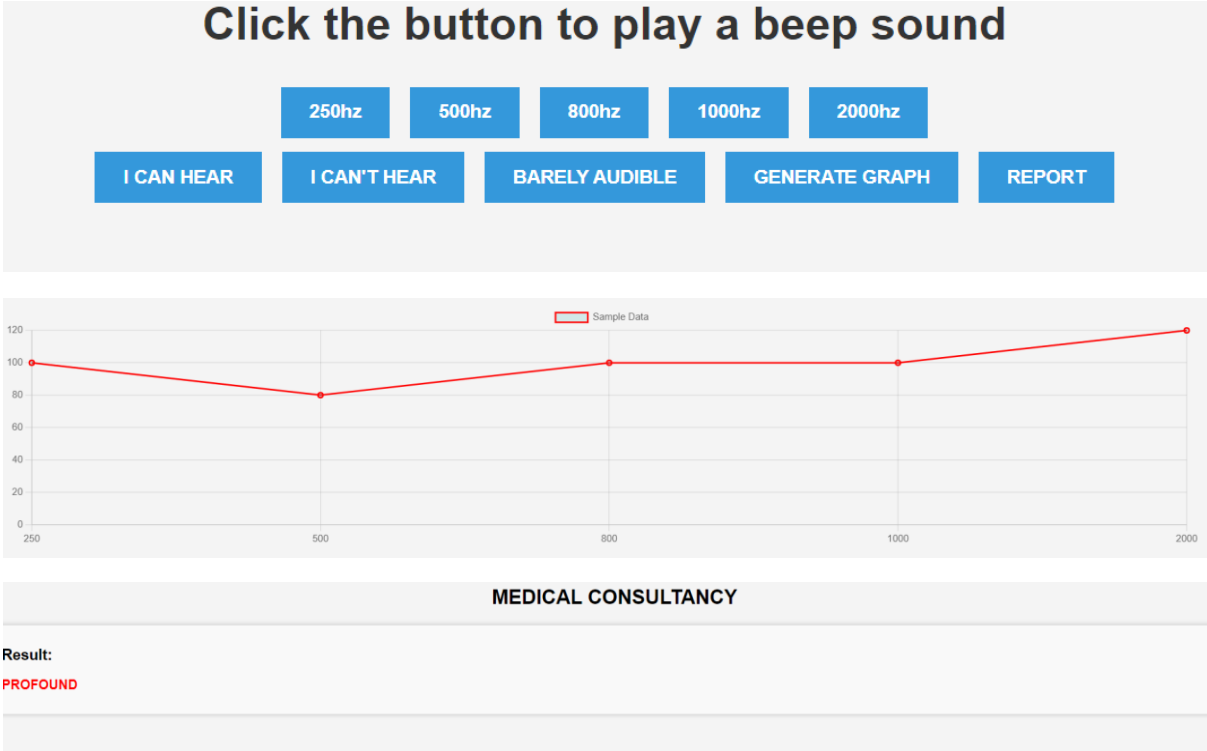
- Frequency Threshold Testing: The application allows users to measure hearing thresholds at different frequencies, typically ranging from 125 Hz to 8,000 Hz. This feature is essential for diagnosing specific hearing impairments.
- Audiogram Generation: The project can generate visual representations of audiograms, which display the results of hearing tests. Audiograms are crucial for diagnosing hearing disorders.
- Patient Records: The application facilitates the storage and retrieval of patient records, ensuring easy access to historical hearing test data.
- Data Analysis: It offers tools for analyzing and interpreting audiometric data, aiding in the diagnosis and treatment planning.
- Accessibility: The software may include accessibility features to accommodate individuals with hearing disabilities during the testing process.

Goals:

- Accurate Diagnosis: The project aims to provide a reliable platform for hearing assessments to ensure accurate diagnosis of hearing impairments and disorders.
- User-Friendly Interface: The application strives to have an intuitive and user-friendly interface, making it accessible to both healthcare professionals and patients.
- Efficiency: To streamline the audiometric testing process, saving time for both healthcare professionals and patients.
- Data Security: Ensure the privacy and security of patient data, adhering to healthcare data protection regulations.

In summary, the audiometry project is a software application with a primary focus on hearing assessment, offering a range of features to aid healthcare professionals in diagnosing hearing impairments and providing patients with a reliable and accessible

platform for audiometric testing. Its goals include accuracy, efficiency, data security, and support for research in the field of audiology.



This app can evaluate your hearing capabilities. The term dB HL describes your hearing loss in decibels.

Degree of hearing loss	Hearing loss range (dB HL)
Normal	–10 to 15
Slight	16 to 25
Mild	26 to 40
Moderate	41 to 55
Moderately severe	56 to 70
Severe	71 to 90
Profound	91+