**Project overview**

Language, which is the most effective and convenient communication tool, is the most important social behavior for human beings. For the hearing-impaired, difficulties in producing the different speech sounds become a social handicap to develop their interpersonal relationships. With that being the case, we aim to help these children by building a website with a database system for professionals to determine the accuracy of Cantonese pronunciation of them.

**Objective**

- Provide a platform for the professionals
- Collect the data for further studies
- Build a voice sample reviewing system
- Build a safe and complete user system

**Methodology**

- Collect voice samples from Apps or manually
- Samples will be sent to the database
- Samples will be transferred to the website and commented by professionals and volunteers through login system
- The result will be then sent back to the database
- Collected Data will be analyzed and considered that they are correct or not

**Result**

Our website is created for Guests and Professionals to give their comments. Guests can listen to the audio voice samples directly, while speech and language therapists are suggested to create an account before giving their comments. Each time, they need to finish one set including five audio voice samples. After that, they can look at the result on the set that they have finished so far.

All the data collected from the website are stored in the database for future enhancement on the existing apps.