

Arti Phonie



The Artiphonie project consists in developing a mobile application for children with language impairment. The idea was created by Estelle GILLET-PERRET, a speech therapist from Grenoble university Hospital. The aim of the application is to allow children to do daily practice at home on their pronunciation in addition to regular sessions with their speech therapist. Artiphonie is a free and collaborative application.



Children can use the application to learn and train using mini-games on every sound of the French language and on

specific words chosen by the specialist. The activities help them, using the Borel-Maisonny method.

Speech therapist can choose a list of words specific for each child depending on their weaknesses. They can also get statistics on each child to help them improve. This statistics may be used in the future for research to better understand impairment.



The **application** was created during an INFO5 project in 2020. It is almost complete but there are still problems which make it impossible to test the application directly on users.

The **objectives** for this year are:

- to correct bugs
- to enhance the application
- to add a database for storing data on children's progression



The main goal was to be able to propose a viable version at the end of the project.



This project has offered us a **startup** point of view. We have had to work on technical aspects: the front-end and back-end of the application.

But we have also worked on transversal aspects. Such as the RGPD linked to medical data and the graphic design of the app.