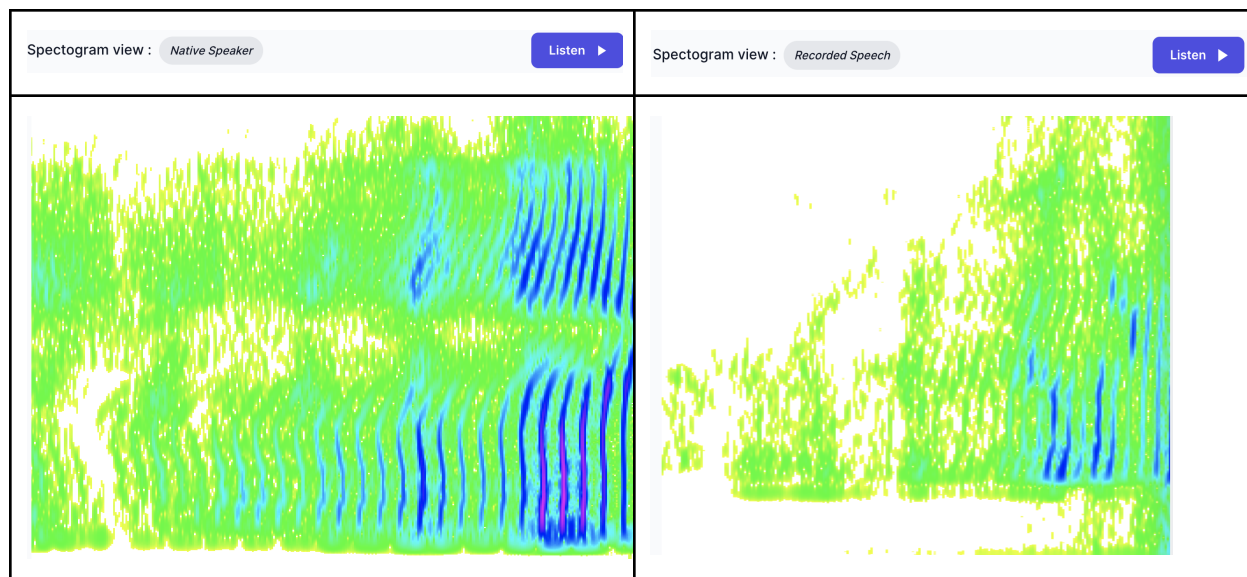## Overview

Seeing is believing is a web-based application used by teachers to help students improve word pronunciation when learning a foreign language. The application generates a spectrogram, a visual representation of an audio-recorded word which a student can understand and interpret to assess how close their pronunciation is to a native speaker's.

What's new in 2.0?

SiB 2.0 is a new release of SiB with additional features, enhancements and bug fixes. The new features include:

- ❖ Adding an instructions page with a video explaining how to read spectrograms.
- ❖ Ability of teachers to record their audio pronunciation when reviewing words in the word library.
- ❖ Creating an administrator role in addition to the already existing student and teacher roles.
- ❖ Editing and deleting of homeworks after creation.
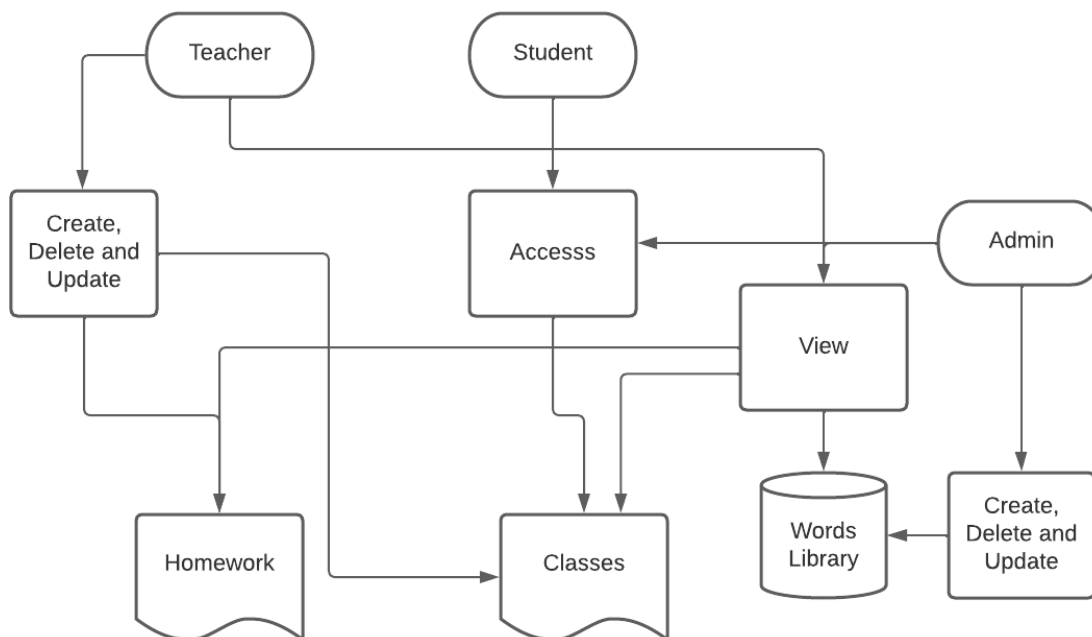- ❖ Removal of bugs from the application.

Our Clients

Our specific client is Dr. Christina Garcia of the Spanish department, Saint Louis University. The broader group that could benefit from our software are language departments of other universities and language learners. A stable version of this application has been previously used by our client and is currently in use by the language department at the University of South Carolina.

Our Developers

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Seeing is Believing(SiB) 2.0

Our Design

Updated Access Privileges

Student	Teacher	Admin
❖ Practice pronunciation of words in the words Library ❖ Complete homeworks ❖ Assess grades	❖ View words library ❖ Create and manage classes ❖ Assign and grade homework ❖ Create or Delete homeworks	❖ Manage the words library ❖ Insert new Languages or Dialects ❖ View Grades and Classes

Our Source Code

The source code for the SIB project is available on GitHub at

https://github.com/oss-slu/Seeing-is-Believing

Upcoming Features

❖ Integration with the Canvas Learning Management System.
❖ Better spectrogram generation
❖ Creation of a SIB mobile application for teachers and students