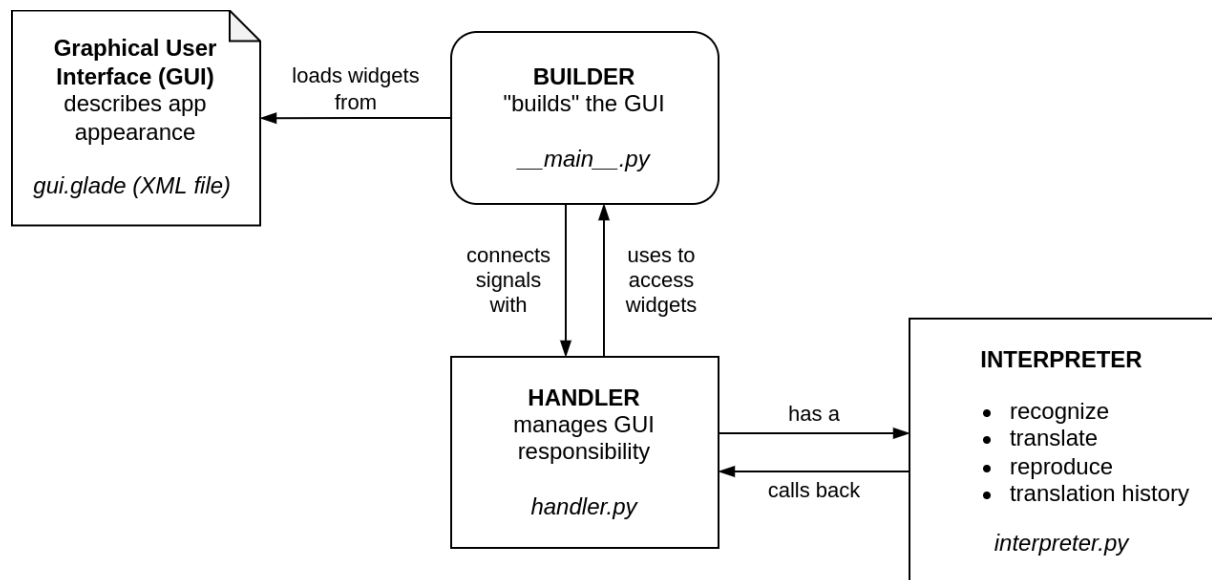


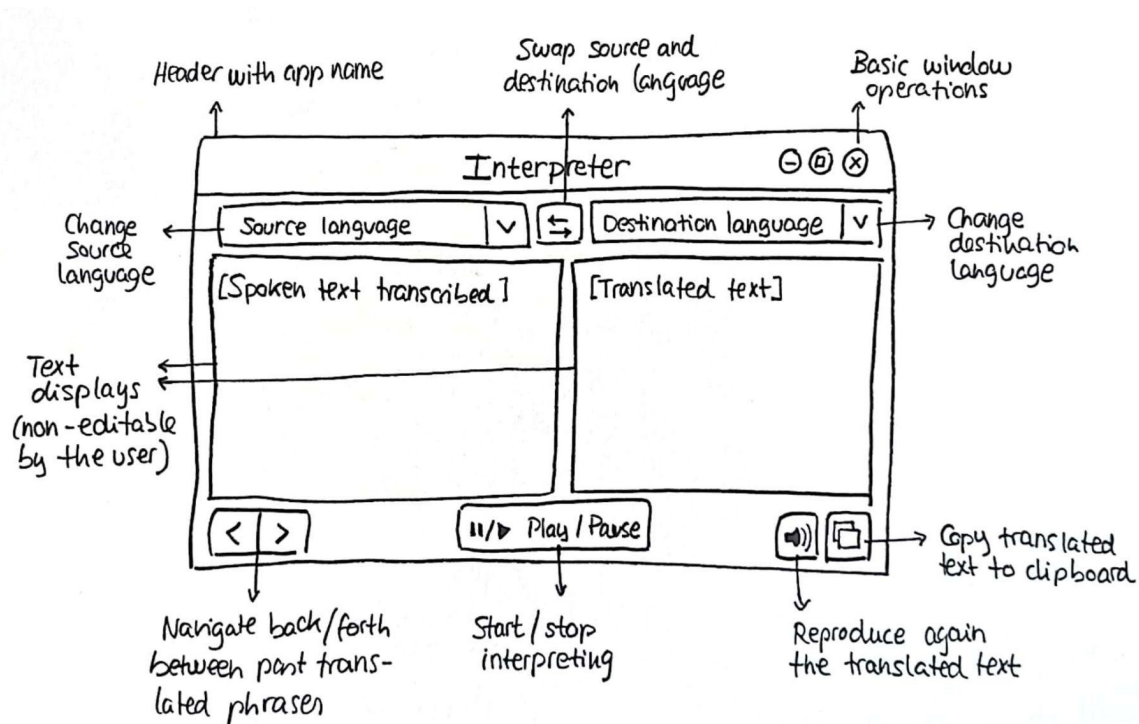
Solution overview

Design

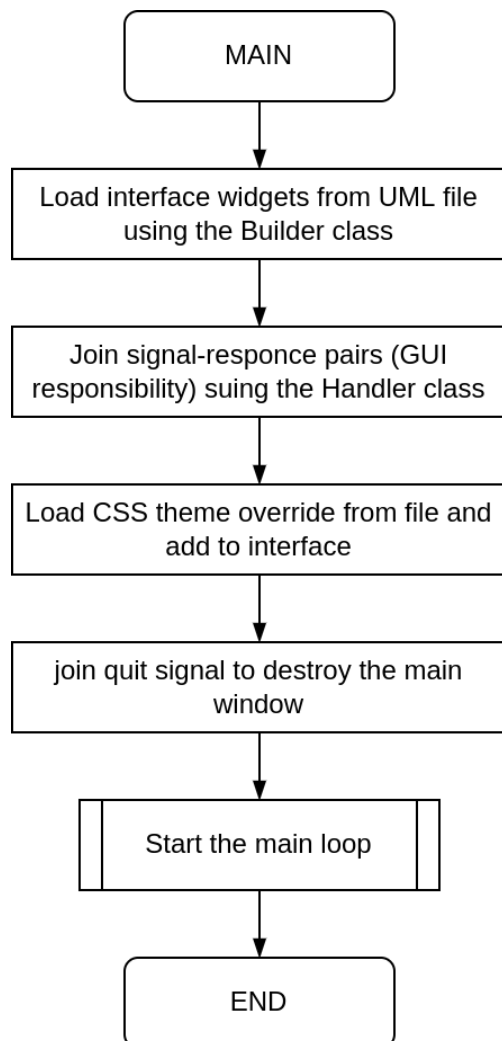
Interaction



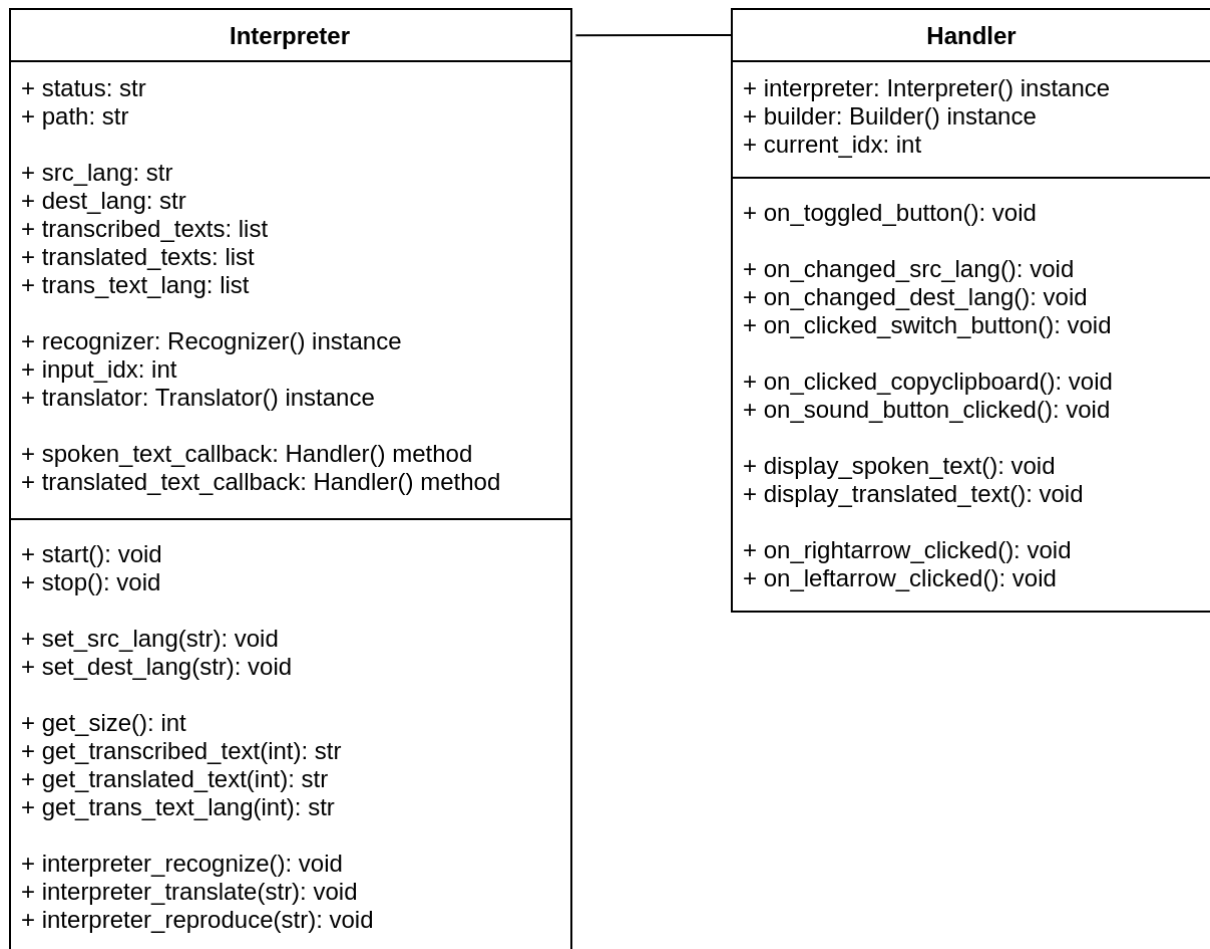
User interface



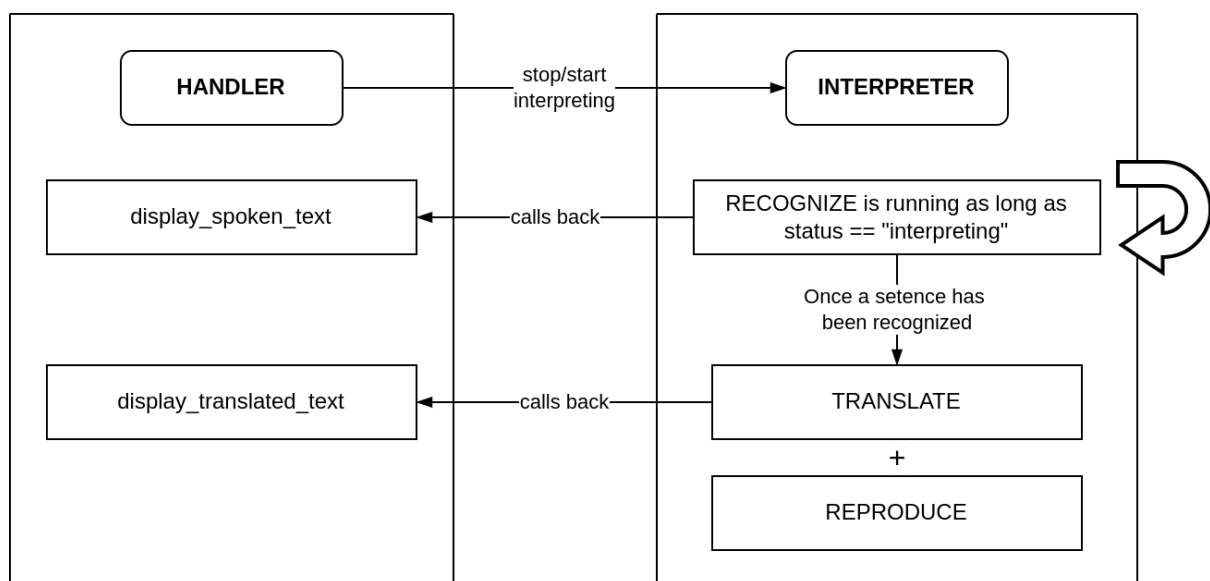
Main file



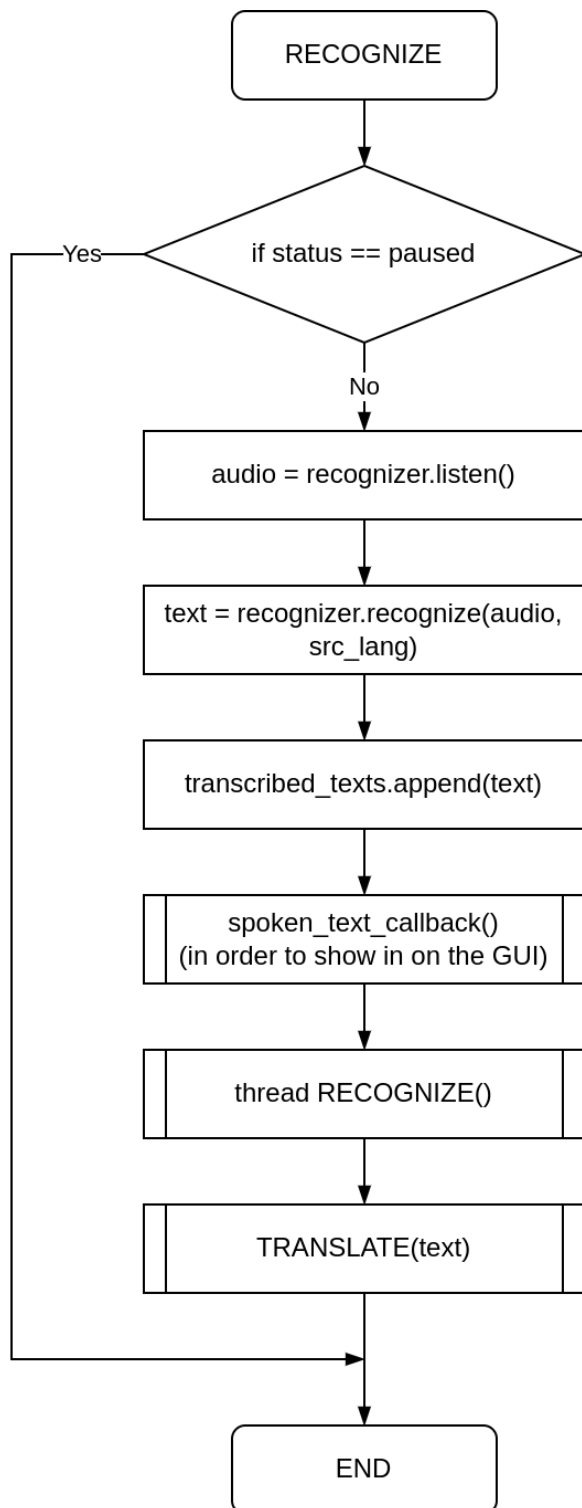
Interpreter and Handler classes



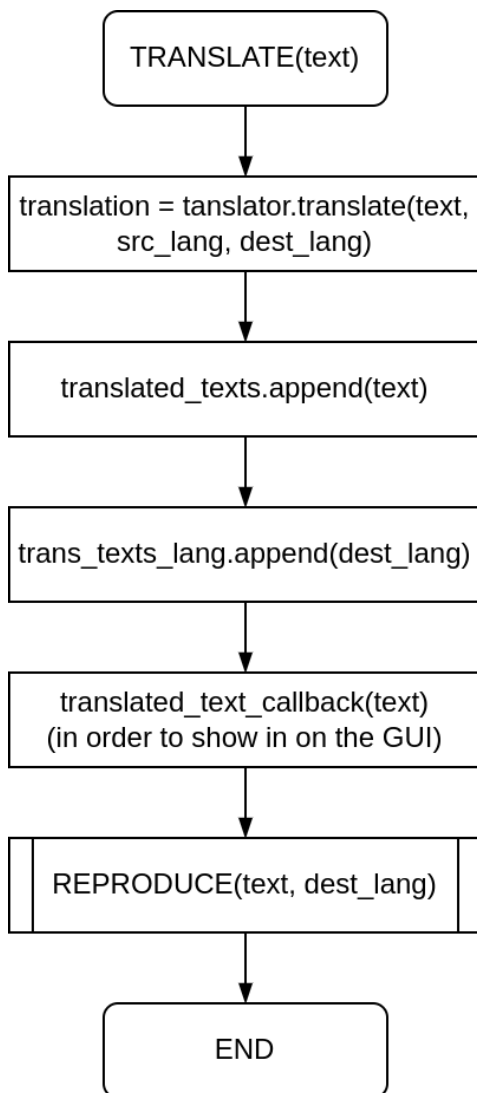
Interpreting process



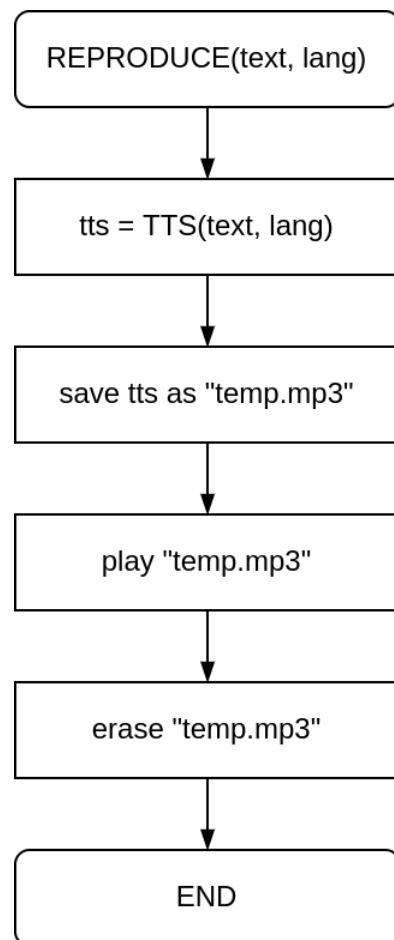
RECOGNIZE method



TRANSLATE method



REPRODUCE method



Testing plan

Action Test	Way of testing and result
Play/pause button works properly, the user can decide when to start or stop interpreting.	Talk a small text with pauses, toggling the button accordingly, and checking whether the interpretation works properly.
Reasonable delay between speaker and computer voiced translation.	Measure time in seconds between voice and computer voiced translation and evaluate the delay.
Full translation of sentences without omissions or them being cut.	Adapt the silence detection of pause after speaking so it does not cut sentences in unwanted places.
The user is able to select the source language and the target language.	Try multiple sentences changing both the source and target language and that the resulting translation and speech is in accordance with those.
The switch button works properly.	Switch languages and check that interpretation works OK.
The spoken and translated text are shown properly and keep up with the speaker's pace.	Try translating a long text, checking that the displayed texts correspond to the actual spoken text and its translation and that when a new sentence is said it changes accordingly.
Navigation in the translation history works properly.	Make sure that left/right arrows work to navigate between translations. Check that the left arrow is unable at the first translation, and the right arrow unable at the last. (Forbid navigation over bounds.)
No temporary files are stored after the finishing of the program (they are erased properly).	After an execution of the app, check that the temporary files folder is empty.
The copy to clipboard button works as intended.	After translating a sentence, press the copy to clipboard button and in a text editor check that it coincides with the translated one.
The button to reproduce again works properly for any sentence in the translation history.	Navigate through the translation history and reproduce the translated sentences again. Check that the speech matches the text and also the intonation is in the proper language.