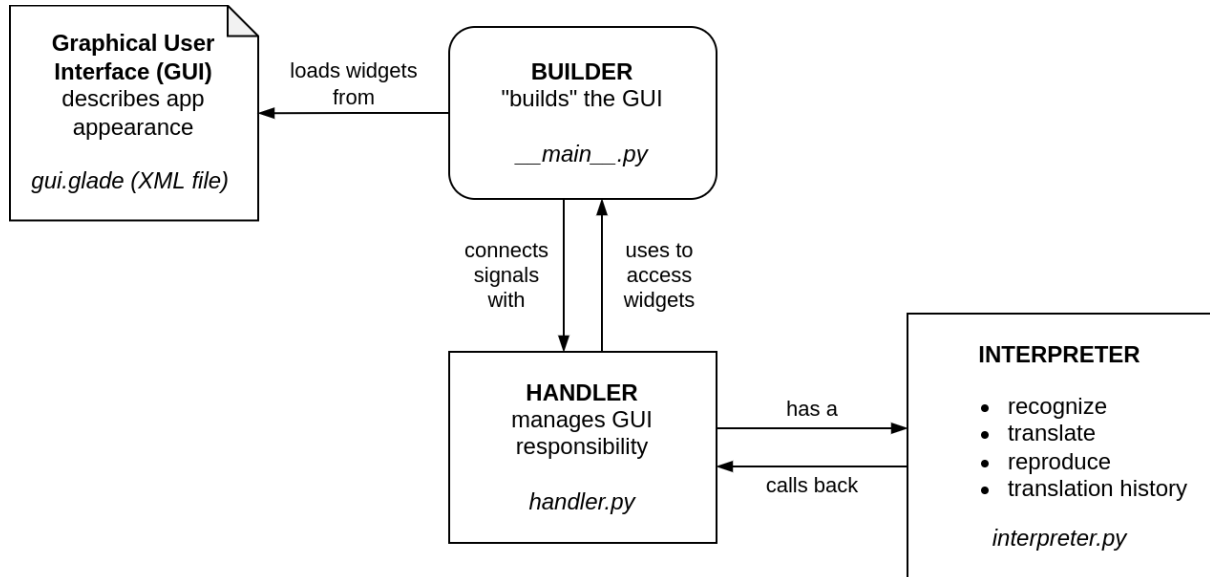


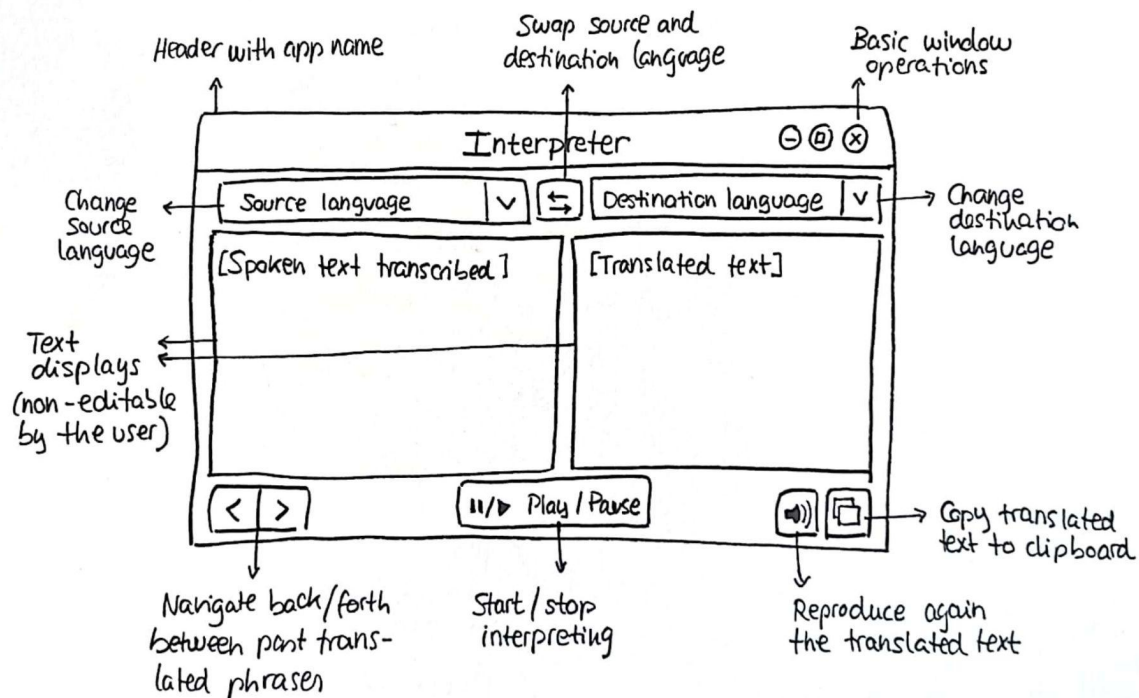
## Criterion B: Design

### Design

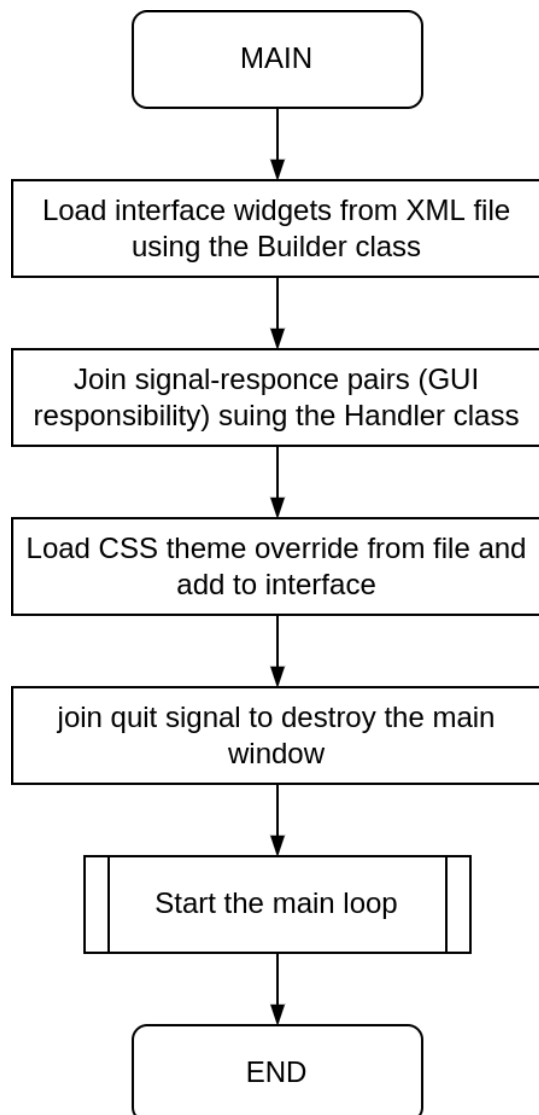
#### Interaction:



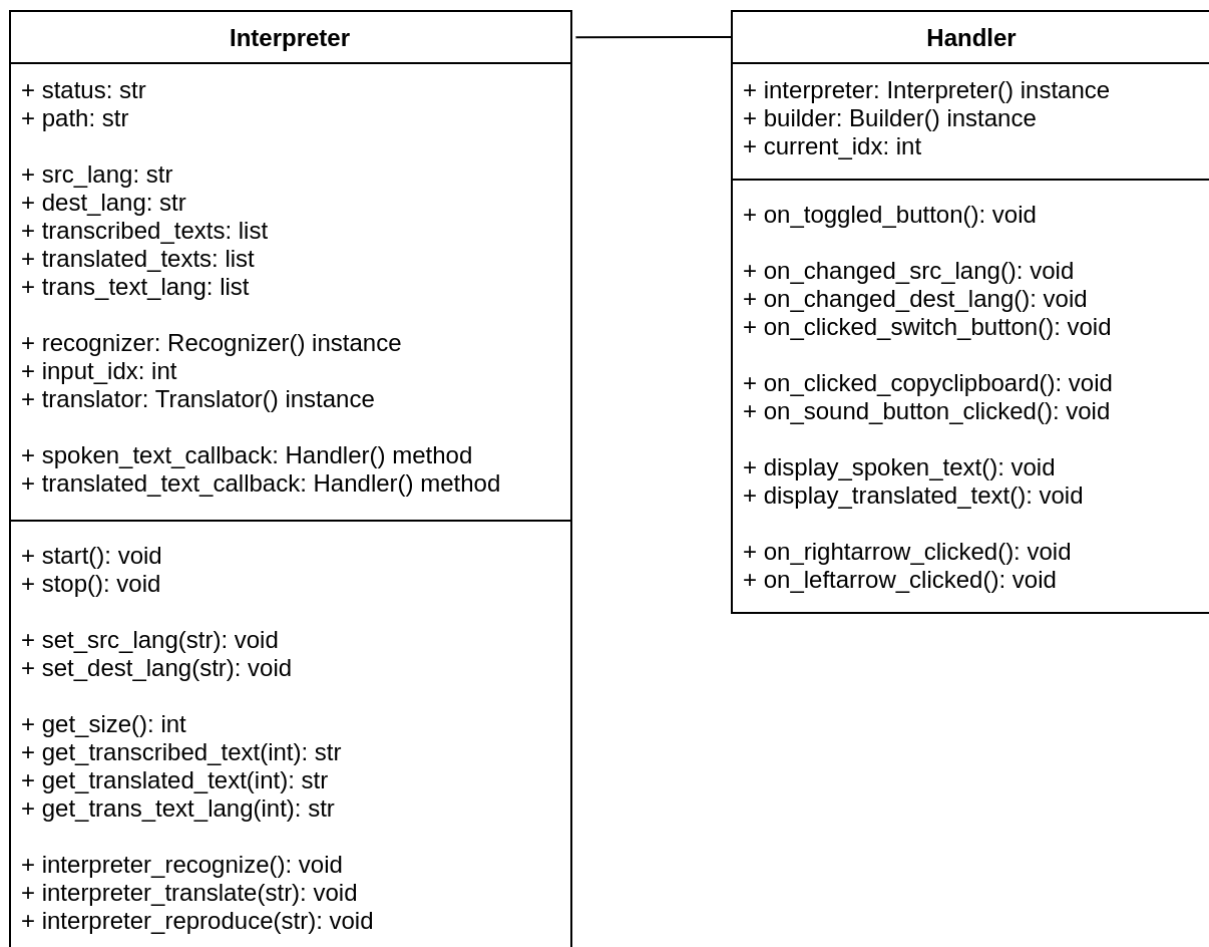
#### User interface:



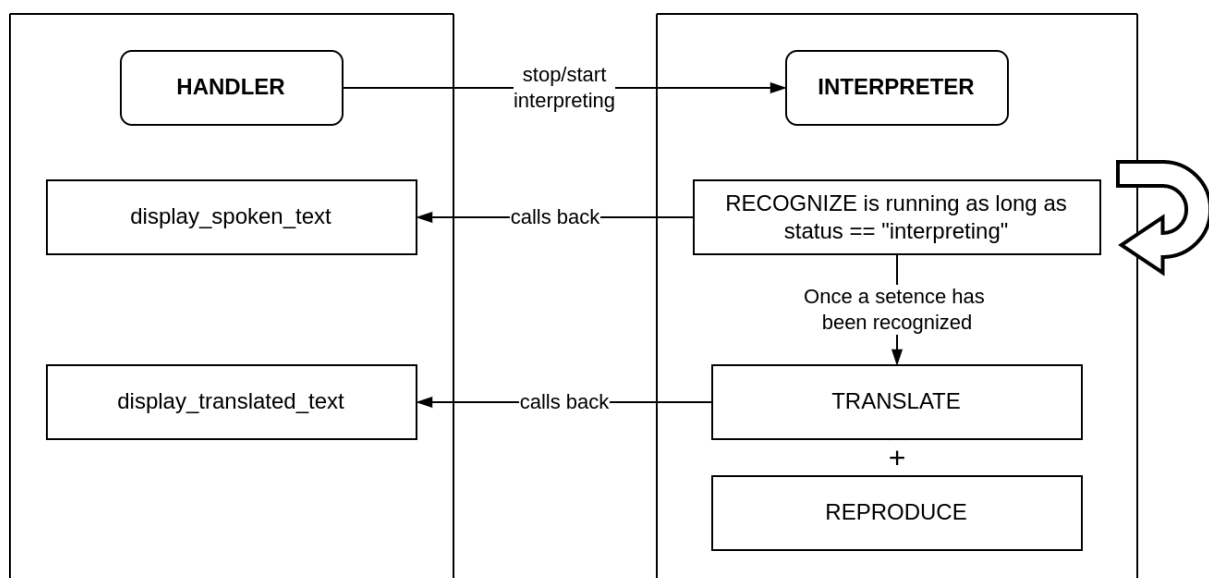
Main file:



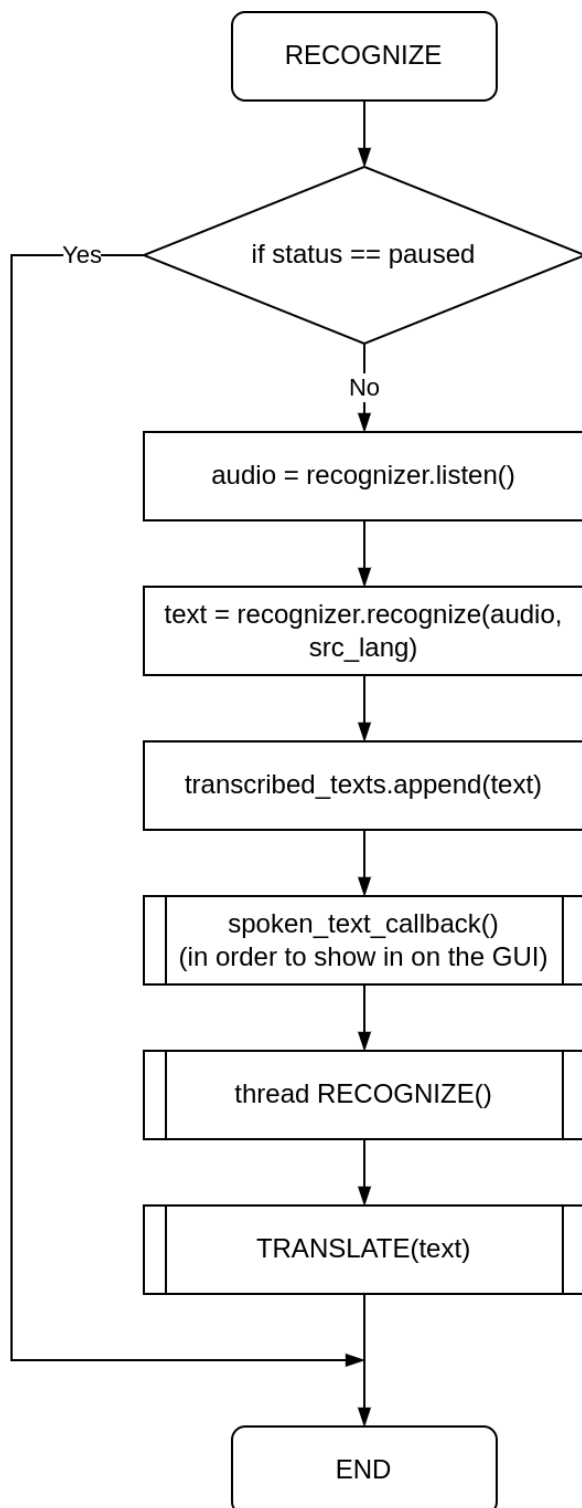
### Interpreter and Handler classes:



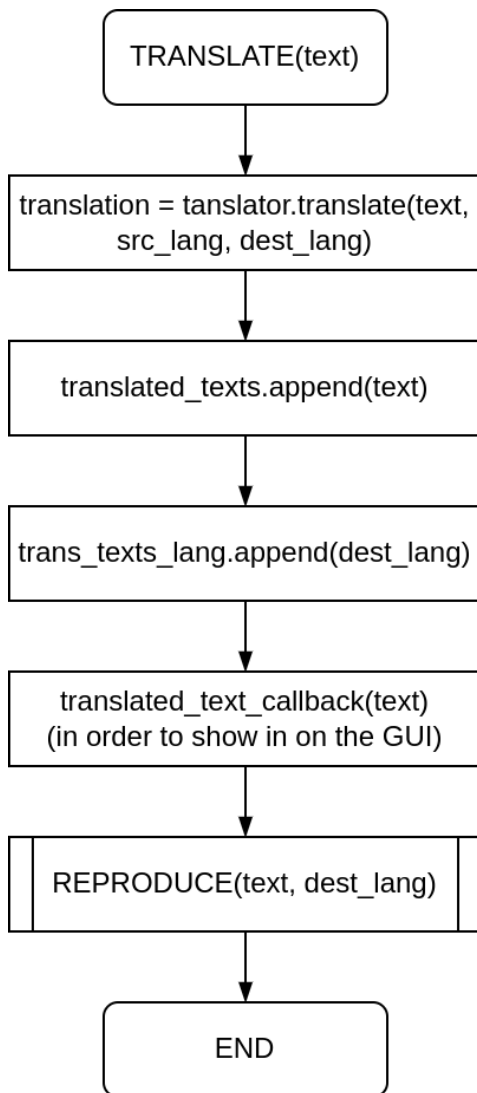
### Interpreting process:



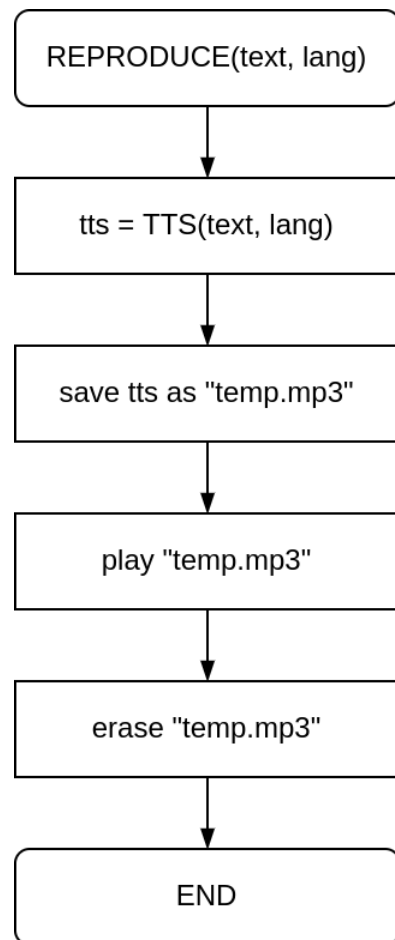
RECOGNIZE method:



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.                               |