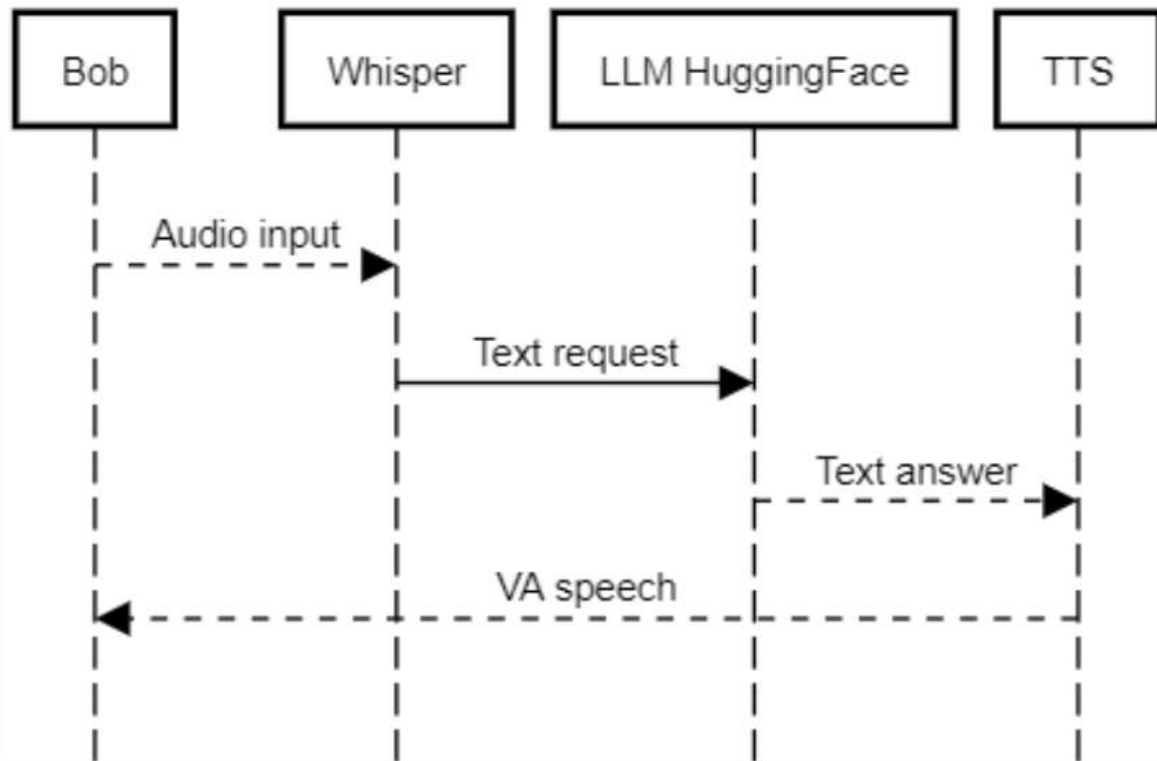


## Sequence Diagram 07062023



ELEMENT	RESPONSIBILITIES	GLOSSARY OF THE MAIN COMPONENTS AND CONCEPTS	TECHNOLOGIES
<b>Whisper</b> <<Speech recognition module>>	Is responsible for detecting speech 'whispers'.	A Python library for creating real-time chat applications.	Python.
<b>LLM Hugging Face</b> <<Question answering module>>	Providing 'conversational AI platform' by means of question answering, language translation and text classification.	HuggingFace is an opensource software library by definition and is meant to help in natural language processing (NLP). This library was developed by Hugging Face Inc., which is linked to the former FaceBook Inc. The library is very popular, because it provides a variety of open-source tools for building natural language models and chatbots. In addition, this library provides state-of-the-art ML models for various NLP tasks such as question-answering and language translation. The library is compatible with the <i>PYTorch</i> deep learning framework.	Free opensource Python API alternative to ChatGPT.
<b>TTS</b> <<Text-To-Speech module>>	Text-to-speech conversion. Provides human-like speech.	pyttsx3. A Text-To-Speech (TTS) library. Allows applications to convert written text and pre-recorded audio snippets into spoken words. Other popular TTS libraries include Google Text-To-Speech, Amazon Polly, IBM Watson Text to Speech and Microsoft Speech API.	Python.
<b>Coqui Studio</b>	Special audio effects to alternate speech styles. Enables easy to implement speech style improvements by using different speeds and free text prompts.	GUI allowing the free text prompts.	