



Transcriptor

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Abstract: TRANSCRIPTOR software can translate foreign languages into native languages; however, translation, language and punctuation errors may result in partial translations. To get an accurate translation, native speakers need to adjust the translation to capture the exact meaning using the verb and word of the sentence. Speech-to-speech translation is a tool designed to bridge the differences between people and foreigners when traveling in our country. This need stems from the inability of dictionary and human translation to meet our need for better communication. Our software does the same with video.

Keywords: Language Translation, Transcriptor, Speech to text, Subtitles.

I. INTRODUCTION

Our project Transcriptor work on the basis of voice recognition and language detection and speech recognition technology. Speaker recognition determining who is speaking. Speech recognition determining what is being said. Language detection determining which language is it. "Who is speaking?" used to answer the question. The term speech recognition refers to the speaker's knowledge or experience of speech. Speaker identification (also known as speaker recognition) is the opposite of recognition, which differs from focus (indicating when the same speaker is speaking).

Speaker recognition can simplify the task of interpreting speech on custom speech-learned machines, or it can be used by the security system to identify or identify the speaker's actions. As of 2019, the recognition of the speaker dates back to about forty years, and it has been determined that the characteristics of the speech he uses vary from person to person. These acoustic models have anatomical implications and study behavioral patterns. Speech Recognition is an integrated field of computer science and computer language that develops methods and techniques that enable computers to recognize speech and translate it into text; The best is research. It is also called Automatic Speech Recognition (ASR), Computer Speech Recognition, or Speech-to-Text (STT). It combines knowledge and research from the fields of computer science, linguistics and computer engineering. The reverse process is speech synthesis.

II. RELATED WORK

The automatic speech translation machine has three technologies: speech recognition (speech recognition); technology for translating (interpreting) recognized messages; and technology (speech synthesis) to communicate with other people's words. Recent technological advances have made possible automatic translation of Japanese, English and Chinese conversations and extended translations of short sentences for efficient travelers. In short, it's said once.

This report first recognizes the importance of machine translation and provides an overview of the state of research and development to date and the history of machine translation [7]. It goes on to explain the design and current functioning of speech translation.

Research

The following are speech-to-text and speech-to-speech products.

Text-to-Speech Converter:

SP0-512 Text-to-Speech IC is a pre-programmed microcontroller that receives English text from a network, converts the text to a phone number, and produces audio. Ideal for adding robotic sounds to your designs.

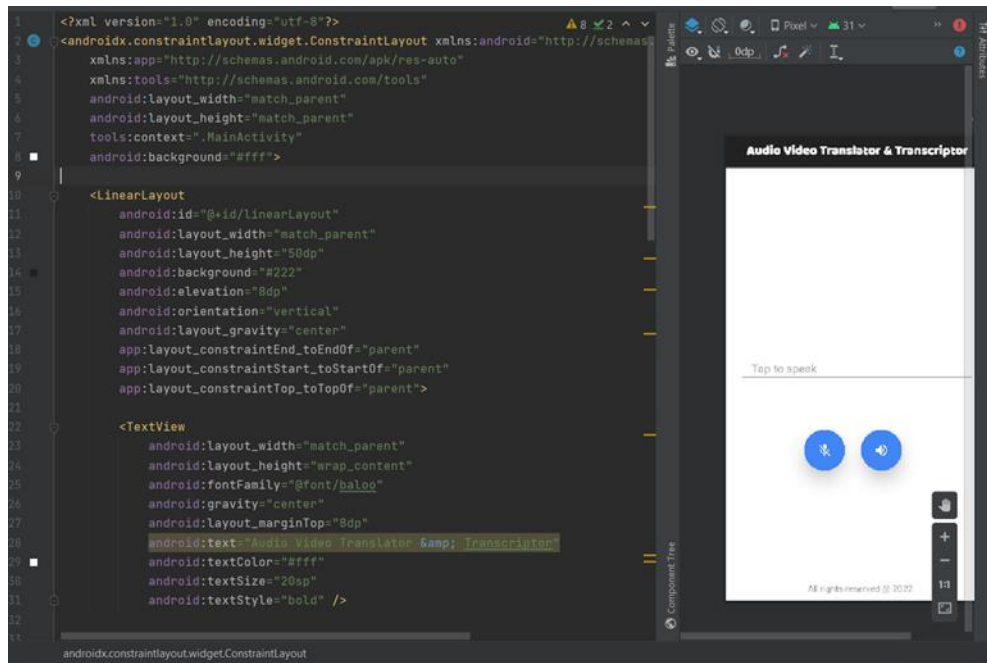
Voice Activated Phrase Search (Speech to Speech System): The

Voice Activated Phrase Search system is not a true translation. A common voice-activated sentence detection system is the Phraselator system. Phraselator is a tool that recognizes predefined sentences and takes notes.



III. EXISTING SYSTEM

Layout defines the structure of the user interface in an application, for example a project. All elements in a layout are created using the hierarchy of view and viewgroup objects. Views often draw things that the user can see and interact with. And viewgroup is an invisible box that defines the layout of view and other viewgroup objects.



Main Screen with code

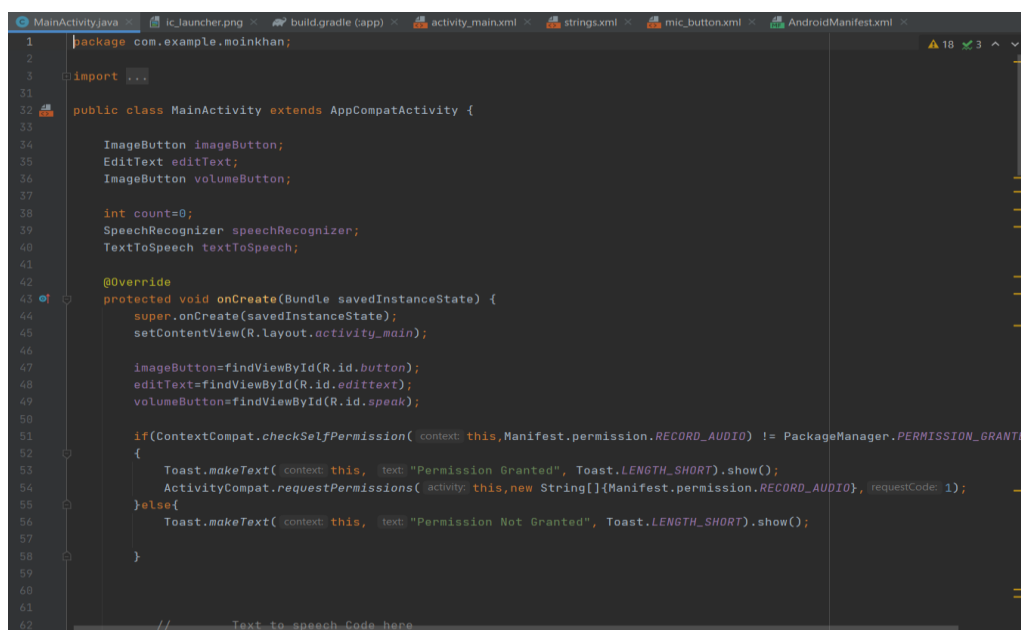


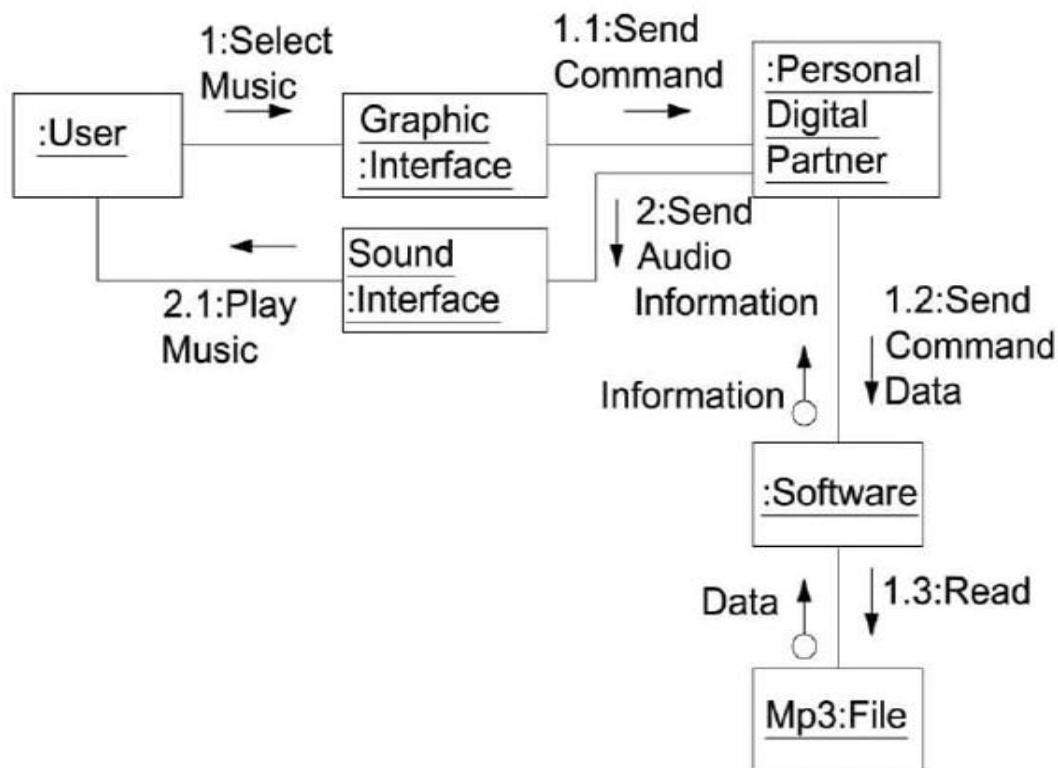
Image Button :

By default the ImageButton looks like a regular button with a standard button background that changes color in different states. The image of the button face is defined by the android:src attribute or ImageView in the XML element.



IV. PROPOSED SYSTEM

Speech recognition is an interdisciplinary field of computer science and computer language, developing methods and techniques that help computer recognition and translation of speech into text with the main advantage of search. Automatic Speech Recognition is also called Computer Speech Recognition or Speech-to-Text. It combines knowledge and research from the fields of computer science, linguistics and computer engineering. The reverse process is speech synthesis.



V. CONCLUSION

Nowadays the subtitles are in English but our app will be in Hindi because Hindi is the national language of India and it is known by everyone but a few people in our country so this is a great success because the video will not be translated into Hindi by many people. Understand English, this is our way of helping the country and people.

Applications:

1. Translating from one language to another will eliminate communication problems.
2. Translation will be useful even during online calls or video chats. An English speaker can translate into the language on the other end of the call via the voice translator.
3. With the help of an interpreter, a person speaking or speaking in a language can be understood by different people at the same time.

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