**Speech Converter Documentation**

**Introduction**

The Speech Converter is a Python application built using the Tkinter library, designed to facilitate text-to-speech and speech-to-text conversions. This documentation provides an overview of the application's features, functionalities, and usage.

**Features**

Text Entry: Users can manually enter text into an entry field or utilize the microphone for speech input.

Language Selection: Users can select the language for text-to-speech and speech-to-text conversions from a list of available options.

Text to Speech Conversion: Converts entered text into speech and plays it back through the system's speakers.

Speech to Text Conversion: Listens to user speech input through the microphone, recognizes it, and converts it into text.

Error Handling: Provides informative messages for errors such as unrecognized audio or issues with the speech recognition service.

GUI Styling: Buttons in the GUI are styled to enhance visual appeal and user experience.

**Dependencies**

* Python 3.x
* Tkinter
* Speech recognition
* pyttsx3

**Usage**

User Interface:

Enter Text: Manually enter text into the provided entry field.

Language Selection: Choose the desired language from the dropdown menu.

Text to Speech Button: Click to convert entered text into speech.

Speech to Text Button: Click to listen to speech input and convert it into text.

Text to Speech Conversion:

Enter text into the provided entry field.

Select the desired language.

Click the "Text to Speech" button.

The entered text will be converted into speech and played back.

Speech to Text Conversion:

Click the "Speech to Text" button.

Speak into the microphone.

The speech will be recognized and converted into text, displayed in the result label.

Error Handling:

If an error occurs during speech recognition, an appropriate error message will be displayed in the result label.

**Author**

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