Transcription Assistance for Renaldi

Description:

Renaldi, who faces challenges with hearing, requires assistance in transcribing the contents of an audio file named "sample.wav". He seeks to understand the speech within the audio. Let's assist Renaldi by transcribing the speech from the audio file to text.

Key Features:

o   First, the application will **show** the **main menu**.

1.   **Audio Augmentation**
2.   **Predict Text**
3.   **Exit**

o   After that, the application will ask the user to **input** the **menu numbers**.

o   If the user chooses **menu 1** (**Audio Augmentation**), the application will **show** the **audio augmentation menu**.

1.   **Increase or decrease volume**
2.   **Increase or decrease pitch**
3.   **Insert fade in effect**
4.   **Insert fade out effect**
5.   **Back to main menu**

o   If the user chooses **sub-menu 1** (**Increase or decrease volume**), the application will:

- Ask the user to input **volume dB** to increase or decrease the volume. Validate that the input must **between -10000 and 100**.
- Ask the user to input **new file name**. Validate that the input must **ends with ".wav"**.
- **Export manipulated audio** as new audio file.

o   If the user chooses **sub-menu 2** (**Increase or decrease pitch**), the application will:

- Ask the user to input **pitch rate** to increase or decrease the pitch. Validate that the input must **between -10 and 10.**
- Ask the user to input **new file name**. Validate that the input must **ends with ".wav"**.
- **Export manipulated audio** as new audio file.

o   If the user chooses **sub-menu 3** (**Insert fade in effect**), the application will:

- Ask the user to input **duration effect** to set fade in effect. Validate that the input must **more than 0**.
- Ask the user to input **new file name**. Validate that the input must **ends with ".wav"**.

- **Export manipulated audio** as new audio file.
- If the user chooses **sub-menu 4** (**Insert fade out effect**), the application will:
  - Ask the user to input **duration effect** to set fade out effect. Validate that the input must **more than 0**.
  - Ask the user to input **new file name**. Validate that the input must **ends with ".wav"**.
  - **Export manipulated audio** as new audio file.
- If the user chooses **sub-menu 0** (**Back to main menu**), the application will **redirect** to **main menu**.
- If the user chooses **menu 2** (**Predict text**), the application will **predict** and **print** the sound delivered in the form of text with **wav2vec2 model** and **change '|'** (**vertical bar**) **to ' '** (**whitespace**).