**REQURIMENTS FOR INTERFACE**

### ****1. User Interface (UI)****

**1.1 Content Display Area**:

A section to display sentences to be recorded.

Ability to scroll through or paginate sentences.

Highlight sentences as the user records them (indicating which sentence is being spoken).

**1.2 Record Button**:

A prominent **record** button to start recording audio.

The button could change to "Stop" once recording begins.

**1.3 Audio Playback Controls**:

Play/Pause button to listen to the recorded audio.

Volume control to adjust audio playback.

Speed control for playback speed.

**1.4 Delete/Remove Recordings**:

Option to **delete** a recording after it’s been made.

A small “trash can” icon or delete button beside each recording for easy removal

**1.6 Re-record**:

Option to **re-record** if unsatisfied with a recording.

### ****2. Backend Features****

**2.1 Audio Storage**:

Ability to upload and store audio files for each sentence or chunk of recording.

Store files securely in the cloud or a dedicated server (consider file size limits, naming conventions).

Organize audio files in relation to users and sessions for easy access.

### ****3. Recording Functionality****

**3.1 Audio Recording**:

Implement browser-based audio recording using JavaScript APIs (e.g., Web Audio API or MediaRecorder).

Provide functionality to pause and resume recording.

**3.2 Audio Quality Check**:

Ensure the recorded audio is of a suitable quality (optionally implement some basic noise filtering before playback).

**3.3 Playback/Upload**:

Allow users to listen to their recordings before saving.

Optionally allow audio files to be uploaded to a backend for processing or analysis.

### ****4. Features for Progress Monitoring****

**4.1 Visual Indicators**:

Display a clear and interactive progress tracker (e.g., percentage, checklist).

Include visual highlights for each sentence as it’s being recorded.

**4.2 Statistics**:

Display total time spent recording, average time per sentence, etc.

**4.3 Completion Notification**:

Once all sentences are recorded, provide a **completion message** or allow the user to download their completed recordings.

### ****5. Security & Privacy****

**5.1 Authentication/Authorization**:

Users should log in to access their personalized session, with data stored securely.

Allow users to create accounts, login, and manage their recordings.