

Criterion E: Evaluation

Part 1: meeting success criteria

No.	Success Criteria	Achieved (Y/N)	Reason
1	Program allows user to upload audio from computer file system	Y	When the user clicks on a "Choose File" button, the file explorer system is opened and the user is able to open an mp3 file from the computer's file system explorer.
2	Program allows user to upload audio from microphone	Y	When the user clicks on a "Start Recording" button, the user is prompted to allow access to the microphone. If they allow access, the microphone starts recording. They can then click the "Stop Recording" file to stop the microphone recording and upload the recorded audio to be edited.
3	Program allows user to upload/record and manipulate multiple audio files	Y	There are two different "Choose File", "Start Recording", and "Stop Recording" buttons. There are also two sections for each audio file. This clearly defines multiple audio files that are able to be uploaded, recorded, and manipulated.
4	Program allows user to manipulate the pitch of the audio file	Y	After uploading or recording the audio, the user can input the number of semitones up or down they want to adjust the audio. This can be done by inputting a number into the textbox in the corresponding audio control for the desired audio file.
5	Program allows user to manipulate the tempo of the audio file	N	There is not a control to manipulate the tempo of the audio file.
6	Program allows user to equalize the audio file	N	There is not a control to equalize the audio file.
7	Program allows user to adjust the volume of the audio file	Y	After uploading or recording the audio, the user can input the decibels of the audio file to the level desired. This can be done by inputting a number into the textbox in the corresponding audio

			control for the desired volume.
8	Program allows user to listen to edited audio	Y	After uploading or recording either one or both audio files, the user can click the "Process Audio" button, which will compile both audio files and play them back for the user to hear before downloading the combined audio files.
9	Program interface is easy to use and user friendly	N	After allowing the client to experiment with the website for a few minutes, there were a few complaints about the input being confusing.
10	Program allows user to download the edited audio files	Y	After uploading and editing the audio files, if the user is happy after listening to the processed audio they can download the edited audio file by clicking the "Download Audio" button and selecting the place in the file system to be downloaded.

Part 2: feedback from client

The program was mostly successful in the client's requirements. However, there were "still parts that were lacking, such as the lack of more editing features and the inability to layer more audio files" (XXX, 2025).

- Add an option to add more audio files
- Add more audio manipulation options, like EQ, tempo adjust, etc
- Make its more appealing visually, like adding colors, menus, organized pages
- Add a pause and restart button for the microphone recording
- Add a delete button to remove the audio files to have new ones inputted
- Make it more user friendly - as of now it requires understanding of what decibels and semitones are

Part 3: recommendations for future improvements

Minor Improvements:

- Add more appealing visual elements
- Add explanations for volume and pitch control

Major Improvements:

- Add an option to add more audio files
- Add in more editing options
- Add in a visual audio wave element