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20240045

Support and maintenance

## **1. Scenario Analysis: Audio Editing Scenario**

An audio editing scenario can be seen in the production of a podcast episode. The podcaster records voice audio using a microphone in a quiet room to reduce background noise. After recording, the raw audio is imported into audio editing software. The editor listens through the recording to remove mistakes, long pauses, and unwanted sounds such as breathing or background noise. Sound effects and background music may be added to enhance the listening experience. Volume levels are adjusted to ensure consistent loudness throughout the episode, and equalization is applied to make the voice clearer. Once editing is complete, the final audio file is exported in a compressed format suitable for online streaming platforms. This scenario shows how audio editing combines technical skills and creativity to produce clear, professional, and engaging audio content.

## **2. Concept Research: Sound Design Principles**

Sound design principles focus on how audio is created, shaped, and arranged to enhance an experience. Key principles include clarity, balance, timing, and consistency. Clarity ensures sounds are clean and easy to understand, especially speech. Balance involves adjusting volume levels so no sound overpowers another. Timing helps sounds feel natural and synchronized with content. Consistency maintains a uniform audio style throughout a project. These principles are important in podcasts, films, and games because they improve listener engagement, emotional impact, and overall audio quality. Good sound design supports storytelling and professionalism.

## **3. Tool Practice: Audacity Sound Effect Reflection**

To create a sound effect in Audacity, I recorded a short sound using a microphone and imported it into the software. I then applied effects such as echo, reverb, and pitch change to transform the original sound. I trimmed unwanted sections and adjusted the volume to make the effect clear and balanced. This activity helped me understand how digital effects modify sound waves and how layering effects can create unique audio results. Audacity proved to be an effective and easy-to-use tool for creating and editing sound effects for multimedia projects.

## **4. Diagram Design: Audio Editing Flowchart Explanation**

The audio editing flowchart created in Draw.io represents the steps involved in producing edited audio. It begins with recording audio, followed by importing the file into editing software. The next steps include noise removal, cutting errors, and adjusting volume levels. Effects such as equalization and compression are then applied. After editing, the audio is reviewed for quality, exported in the required format, and published. The flowchart uses standard symbols like ovals for start and end, rectangles for processes, and arrows to show flow. This diagram helps visualize the audio editing workflow clearly and logically.