Starbucks Accessibility feature:

**Pre-requisites for Accurate Detection:**

1. For optimal sound classification, place the microphone close to the oven. This ensures that the microphone can pick up the target sounds more clearly, reducing interference from background noise.
2. Use a high-quality microphone that can capture the necessary sound frequencies with precision. A good microphone will provide clear and consistent input, leading to more accurate classification by the sound detection script.

Step-by-Step Guide:

1. Extract the compressed folder:

Ensure your project directory is structured with all these files as follows:

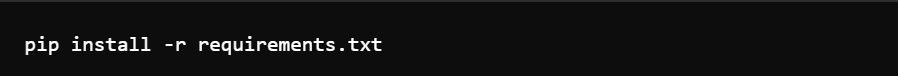
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Description automatically generated

2. Install the list of dependencies

Install the required dependencies using the package manager pip or as specified in your project’s requirements.txt file. Run the following command:



This will automatically install all the dependencies needed for the sound classification script to run.

3. Run the classification python script

Once the dependencies are installed, execute the classification script that listens for sounds in real-time. Run the following command in the terminal:



The script will continuously listen to real-world sounds and print out if an eikon (the specific target sound) is detected.