**Parts List**

| Name | Qty | Example Photo |
| --- | --- | --- |
| Breadboard | 2 |  |
| LM386 amplifier | 1 |  |
| 1.2K ohm, ¼ watt resistor | 1 |  |
| 10μF ceramic capacitor | 1 |  |
| 10K ohm potentiometer | 2 |  |
| 8 ohm speaker | 1 |  |
| 0.05μF ceramic capacitor[[1]](#footnote-2) | 1 |  |
| Breadboard-Friendly 3.5mm Stereo Headphone Jack | 1 |  |
| 250μF electrolytic capacitor | 1 |  |
| Adafruit Microphone MAX9814 with Auto Gain Control | 1 |  |
| Adafruit "Music Maker" MP3 Shield for Arduino w/3W Stereo Amp | 1 |  |
| Male-to-male jumper wires | 20 |  |
| 10K ohm resistor | 1 |  |
| Breadboard push buttons | 5 |  |
| LED | 1 |  |
| 1.5K ohm resistor | 5 |  |
| 1K ohm resistor | 1 |  |
| Male-to-female jumper wires | 12 |  |
| Arduino Uno | 1 |  |
| Micro SD card | 1 |  |
| 3.5 mm audio cable | 1 |  |

1. Two 0.1μF ceramic capacitors can be used in series instead. [↑](#footnote-ref-2)