**Clown Bongos**

**Abstract:**

Are you a clown!? Are you in the market for an instrument that represents you!? Well look no further as we have the instrument for you, Clown Bongos! With your Clown Bongos, you can play the music of your people to annoy even larger crowds of spectators using our two-trill system. (Patent pending) Clown Bongos even comes with an “on” button to ensure that there is no premature clowning. Buy yours today!

Our project is a musical instrument which takes input from the user. It does this by using force sensing resistors as input devices, which will produce an output of sound from the speaker. The system is made to look like a set of bongo drums. The user interacts with the system by hitting the top of the “drum” as they would with an analog bongo drum. The system has a “on” button. When the user presses it, the system will greet them by saying “hello” and will start to take input from the drums. Underneath the top of each “drum” is a force sensing resistor and the system will make a different noise depending on which of the force sensing resistor is hit. If the left “drum” is hit, a violin playing a “EF Trill” will sound, and if the right “drum” is hit, a violin playing a “FG trill” will sound. If both drums are hit simultaneously, the system will turn off and say “good bye” to the user. At this point the system will no longer take input until the “on” button is hit again.

References:

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