**Internet of things individual report**

1. **Name**: Andrew Casey

**Student Number**: s00200841

1. **Contribution to the project:**

We shared the work out evenly between the four of us so there was enough work to do. we had many tasks to do.

We all spent time finding some code that was close to what we would need. It would only take one to two coders to write the code we needed.

One doing the tones through a Buzzer and the other working on a UI for a PC screen to navigate instead of relying on the Arduino LCD screen for now.

I took the job of organizing the tasks for our group, setting up the

Git-Hub group, doing most of the typing and helping finding code that would help in getting us understanding and using the Arduino as a music device. We are not creating music but just repurposing it from a song to a tone that is useable through our device.

1. **The Problems we encountered:**

Voice Activation.

We had originally planned to have a voice recognition device to hear a request and then pick a song and play it, but we felt piling on too much devices on a starting project would be too much for us to handle.

Figuring out how use an Arduino and then Getting code to work.

The code used in an Arduino Yun is not new code to us but how you use it is. Having to figure out how to add a device and to get it functioning like you would want it to seemed tricky at first.

Finishing the idea.

We had a lot of advanced ideas and a short amount of time to plan, concept and create an idea that was firstly a fun and practical device that then could be further worked upon to be made into a better and more useful device later on.

1. **What would I do differently the next time?**

I would plan to continue working on the same device we currently are making and improve it to add more functionality. The idea is very niche as a starting point but can be expanded into something far better and practical.

Staying in the same group we could spread out the work very well and if we moved the project into using wireless, we could have one device doing many things instead of a single function device.