**MTRX2700 Lab 2 Meeting Minutes**
**Date: Thursday 22 April 2021**

**Procedural note:** At the end of each meeting, a separate PDF version of the meeting notes will be created and uploaded to the repository.

**Present:** Jack, Reihanna, Vincent

**Apologies:** None

**Welcome:**

**Meeting Purpose:**
- Identify issues that the group is facing and troubleshoot those issues.
- Work out a presentation plan for the final presentation.
- Delegate the completion of the README, minutes and the finalisation of the code.

**Previous Actions:** None

**Regular Items**
- **Question 2 (Reihanna)**
  - **Interrupts have been set up** such that when you type into the terminal, the characters typed will be saved into an array.
  - However, facing issues with backspace - the **backspace character** will save in an array but it won't show up properly on the terminal.
  - Still need to finish up on structs and create a plan for that.
  - **Issues with transmitting**
- **Question 1 (Vincent)**
  - Tried various strategies for timing that resulted in inconsistent timing calculations.
  - Created a new method for timing that resulted in more stable calculations.
  - Solved overflow issue with the code.
  - Need to work on formatting - thinking of using sprintf and string formatting e.g. %9d - need to think of a way to modularise this aspect.
- **Question 3 (Jack)**
  - The microcontroller can now play a tune successfully.
  - Still need to work out the extension parts for the question.

- **Question 2 Brainstorm**
- **Question 3 Brainstorm**
  - Refer to Chapter 8 Huang pg. 413 - Star Spangled Banner

**AOB**

**TO DO**
- **Vincent:** Complete the serial communication for Q1, formatting and modularisation.
- **Reihanna:** Complete the modularisation and struct extension and solve the issue with serial transmission.
- **Jack:** Complete the extension problem for Q3.

**Next Meetings (Potential Schedule)**
- **Wednesday (28/04/2021):** Final test of all of the code and finalising the README.