

# MTRX2700 Minutes

# Week 1

**Present:** James Allen, Shigita Aje, Harrison Adkin

**Apologies:** N/A

**Purpose:** Introductory lab to familiarise with equipment and create central documents (github, minutes).

## **Previous Actions:**

- N/A

## **Updates Made:**

- Central documents created.
- Update required for exercises.
- Learn our way around the Dragon12 board.
- Begin simulating basic code.

## **Notes for Future:**

- Figure out how necessary reading the reference documents is.
  - Figure out how to navigate different reference materials.
- Learn the functions.
  - In particular re look at branching and comparing

# Week 2

**Present:** James Allen, Shigita Aje, Harrison Adkin

**Apologies:** n/a

**Purpose:** Generate strings, loop through characters to compare cases and non characters. Begin assessment exercises.

## **Previous Actions:**

- Nothing to complete.

## **Updates Made:**

- Learnt how to differentiate with cases.
- Begun assessment exercise 1.
- Implemented branch breaks.
- Ran through some algorithm formation.
- Isolated different cases (lowercase, uppercase, non-letter).

## **Notes for Future:**

- Begin implementing letter change, (use bitmask to change 32 bit).
- Possibly append space onto beginning of input string for capitalisation at beginning of each word. Then register space as read and capitalise next character.
- Similarly for sentence case, implement capitals after a full stop then space is read. (append full stop + space to beginning for first character capitalisation).

# Week 3

**Present:** James Allen, Shigita Aje, Harrison Adkin

**Apologies:** n/a

**Purpose:** Complete exercise 1 of assignment

## **Previous Actions:**

- Throughout week, looked at bitmasking operations
- Created binary operations required to complete task

## **Updates Made:**

- Exercise one completed

## **Notes for Future:**

- Falling behind. Will meet up on Friday to continue working through exercise 2.
- Hope to have all three individual components completed before week 4 lab.

## **Meeting Notes:**

- Still lots of work to be done.

# Week 4

**Present:** James Allen, Shigita Aje, Harrison Adkin

**Apologies:** n/a

**Purpose:** Begin Serial interfacing, learn correct registers for reading / writing.

## **Previous Actions:**

- Harrison has completed most of task 2 and polished up task 1.
- 'Scroll' is still TBC

## **Updates Made:**

- Learnt how to write to serial
- Learnt how to include bitmasks from derivatives.inc

## **Notes for Future:**

- Begin to update serial input.
- Must complete 3 ASAP

## **Meeting:**

- Harrison completed task 3, 4 and numscroll.
- Commenting necessary.
- Must update group on how functions behave.