Exercise ˅ - Investigate Project Board

Course	**Making Embedded Systems**
Cohort	**4**
Activity ID	`mes4gt_l2_ex_investigate-project-board`
Grading	self-based ˅

Instructions

Investigate two boards. Go to Digikey.com and search for Cortex-M Evaluation Board. Randomly choose two numbers between 1 and the number of results. (If you are doing a final project, use that board for one of them.)

For each board, look at the datasheet and getting started information for the board. Draw the hardware block diagram for the board. For peripherals, note the communication paths (SPI, I2C, etc).

Look through the datasheet for the processor and other documents. Answer these questions:
● What kind of processor is it?
● How much Flash and RAM does it have? Any other memory types?
● Does it have any special peripherals? (List 3-5 that you find interesting.)
● If it has an ADC, what are the features?
● How much does the board cost vs what the processor costs? Is the processor in stock anywhere? (Try Digikey, Mouser, Octopart, Google, and so on.)

Look at one application note for each board.

The goal is to make sure you can identify the important components of a board and processor. Create a document or spreadsheet to compare the two processors.