Multitasker

Can only do 1 thing at a time

Have to do dinner dates at separate times

80 mghz

Million lines a second

Wants to do code as a multitasking way instead of in a sequence

“ad hoc” multitasking

* Bunch of functions that were called one after another
* Round robin multitasking

Cotasks

* Task functions that are scheduled
* Scheduler runs the highest priority task that needs to be run at any certain time
  + Ran when supposed to
* Shares qs and task stuff

No Blocking Code!

* Not okay for us

Threading

Using multiple processors

* Interrupt based system

Old operating systems did cooperative multitasking

State machines

SANITY

* Don’t do this stuff
* Don’t edit files in brackets
  + Can fail
* Wait for the green light
* Edit on PC and then send it to the board, keep latest file on the PC

TERM PROJECT

* All the labs build towards term project
* Next should be quicker
* Next lab involves the IMU
  + Test how much tilt
  + I squared C and talk to it
  + Then we use the cameras for the term project
  + Can use the imu for orientation off of center
* Week 9 is open season for working on the term project
  + People should hopefully have gears and bearings and parts for next week
  + Hardware check
  + Should have the physical hardware built by week 9

Yield

Just have to print

Maybe set it up as a state machine with a done task?