**Some reminders about developing your prototypes**

* Watch for the shipping charges & delivery time – they are not always as what they claimed to be on the web site, especially those on Amazon market place.
  + Sparkfun, mouser, Digikey, …
* Cheaper parts are not always the best choice – we bought enough parts to see why they are so cheap, some of the PCB were so thin that they could not stand just about the minimal pressure without breaking it.
  + We have ample supply of generic items that you can use.
  + Blank prototype boards of different sizes, wires, pin heads
* A number of soldering kits are available for check out to use.
* The proposal is a plan of actions, but not necessarily a committed determination. Be flexible and responsive to the developing situations – you can change the plan as you see necessary, but do it timely is much better than waiting for the last minute to panic.
* Breadboard is only for your lab exercises, your final prototype needs to be on one or more prototype board(s).
* If you use the lab kit Rasberry Pi for your prototype (it is allowed), unless with my explicit permission, you are not allowed to solder the Pi board, nor the PIO breakout board.
  + Why? These expensive parts will need to be reused for future classes.
  + You can use wire wrapping to interconnect wires to the prototypes.
  + Lab kit AC adaptors cannot be cut to fit to your prototype.
* Battery packs are actually relatively expensive, and they produce electronic waste shortly after your experiments (for most cases.) Whenever possible, try to use AC adaptors.