**IMPORTANT: DO NOT DELETE ANYTHING!!**

This is the engineering workbook that accounts for 11% of our grade.  Dr. Schindler doesn’t want it to look pretty so scattered ideas and mistakes are encouraged.  If you have an idea take note of it.  A good way to make this thing huge and full of nonsense is to keep a record of debugging.  So when you’re ready to test your code write in here what you change each time you re-compile and run your code and take note of errors and bugs.  Also let’s use the following format whenever any of us add to this:

Name (date):

So we know who is doing what and when.  This should keep everyone accountable for each other and encourage people to work if they see others working.  Another idea is to write questions and if someone reads it and has an idea they can comment.

* **Matt (2/4):** 
  + Made ideas document and began this notebook.
  + How do we know whose name to announce next? (rfid, fingerprint, ub card, nfc, qr code)
  + Contingency for when we can’t identify student by method above? (name, id #, ubit name)
  + Hardware choices, arm board, arduino, no board at all? I think an arm board for the number of IO pins and the fact that when we send tag info to the computer it would be nice to have a confirmation signal sent back.
  + Probably will need a real time OS.
  + Going to start playing with an arm board to see how hard an rtos will be to use.
  + wifi or bluetooth for scanners to communicate with computer?
* **Seth (2/9):**
  + Created LucidChart of Ideas
  + Included basic ideas