Open Sesame Agenda – 02/18

Door Status

* Nothing changed, still need write-up
* Can we demo during meeting next week? (None actually necessary)

Camera

* Currently trying to get all coding done; know what they need to send to camera, based on the spec sheet for the camera
* Not getting anything back from the camera right now (haven’t seen anything on USBee output line)
* Be careful you’re not getting buffer over-run (error, UART shuts down because you’re missing data)
* Using get back function they are not getting anything; double-check camera is still functioning?
* Make sure you’re not missing a pre-amble character and that baud rates are correct
* See if it echoes?

App

* Looking to see what capabilities of imp cloud are; challenge is to get the status, trying to get the tag of the status
* You can add extra tag to end of the webpage that is created (plus string of text, on webpage)
* Get info from the imp with a smartphone
* Still more to make it user-friendly

Wall control

* One of the samples ordered; shipped as of this weekend
* Research into universal remote, but found a plan for the hardwire
* Plan to finish that, and then maybe we’ll research more into the RF
* Using a relay: have to have mosfet to drive it, and some resistors (solid-state relays)
* Once that, then fix the garage motor circuit, and start writing the program for open/close to microcontroller (see Jane for help on code with microcontroller)
* Should be able to just close the switch (by this hardwire plan); light on/off will still work from wall switch, otherwise we’ll have to put more in our project
* If it never rises then it’s shorted; there’s a chance we might need to turn the light on/off (include square wave rise time to control light, be able to include this, at some point, not necessarily for demo)

Demo Meeting: As long as it’s before break; Prof. Schafer will confirm later.