

Comments

Open Sesame Minutes

1 April 2014

Meeting Leader: Jane McGuinness

Secretary: Angie Savela

1. General
 - a. Eagle board design draft submitted for approval [ground plane now fixed](#)
 - i. Use cable connector for camera
 - ii. Screw terminals for user connected wires
 - iii. Now need to order parts [*next step](#)
 - b. Action item list updated through end of project [done through the end of the project](#)
2. Subsystems
 - a. Door Status
 - i. Code
 1. Microcontroller code being integrated
 2. Imp code added to request status
 3. Feature added to display time since change
 - ii. Options for demoing functionality being considered
 1. [check for best email/text message/notification](#)
 - b. Camera
 - i. Imp-side code merged and microcontroller code being merging
 - ii. Waiting for server to send picture
 1. [mounting the camera in a 3D printed box](#)
 - c. Phone/App
 - i. Waiting to hear from Yaakov
 1. Told not to pursue both options
 2. Chose original plan – basic web server
 3. [Follow up ASAP](#)
 - ii. Continuing to update UI for app
 - iii. Planning server-app photo transfer
 - iv. Considering home Wifi connectivity feature
 1. [Talk to Pullbower \(sp?\) professor in CS, class for Android App](#)
 - d. Wall Control
 - i. i. Hardwire
 1. Switched to AQY21 relay (normally open)
 - a. [4-pins, use two instead of one 8-pin](#)
 - b. [change the resistance, use the scope to see signals](#)
 2. Attempting to control light
 - a. Outputs of relays tied in order to connect to motor
 - b. Determining capacitance for delay time
 - i. i. Tried matching wall panel capacitor value – 1 uF
 - ii. ii. Calculated time constant, tried 10 uF

- iii. 12-6 package for capacitors on PCB - more flexible
 - 3. PCB – know resistors and capacitors placement, but not values
 - a. RF option
 - i. UART, SPI, ground, VDD header pins incorporated into the board
 - ii. priority 1: server/website/app
- 3. 3. Additional questions/concerns
 - a. Other possibilities
 - i. Demo options
 - 1. door simulation
 - ii. Designing product package
 - b. Additional questions/concerns?