Days 6/9, 7/9, 8/9

Computer Vision Section – Amir, Logy

Accomplishments:
Code now successfully deletes known persons from database when prompted, opens the door when prompted and saves an unknown person to directory

Problems encountered:
Not adjusting to changes in directory after person has been added/removed
Unknown person's image being captured and saved with the frame still on their face

Steps:
1. Created a function to delete a person by deleting image's path from directory
2. Assigned keys for delete, reset password, add person, open door allowing homeowner to do so anytime
3. Capture a picture of person before adding the frame for picture to be saved without it
4. Reload all images in directory after adding/removing a person to stay up to date

Micro-controllers Section: - Badr

- Finished everything.
- Optimized a bit. I was using string type data for taking input from the serial channel (the control interface), but it was taking a lot of memory, so I switched to an array of char with fixed size as the buffer.

Problems:
None

Hardware Section: - Noran. Badr

-We started working on the libraries of the components (sch and footprint), and finished most of the components (only 4 components remaining, should be finished on 9/9).

Problems:
None

Links:

[AmirKaseb/Mini-Smart-Home-System: This Repo demonstrates our journey (Team 11) for Mind Cloud Final Project (github.com)](https://github.com)

https://www.tinkercad.com/things/emIDLEaHkLq-mindcloud-megaproject-microcontroller-team-11