

This week, the following was accomplished:

#### Action Items and Updates from Last Week:

- WebUI (Flask and Bootstrap): Originally meant for debugging, may turn into an admin toolkit.

Navbar					
Empty Empty Empty Empty	Empty Empty Empty Empty	Empty (Row, Col) = (1, 2) role_id: 21 Empty Empty	Empty Empty Empty Empty	Empty Empty Empty Empty	Empty Empty Empty (Row, Col) = (3, 5) role_id: 15

- This is responsible for loading the google sheet and displaying the currently registered grid.
  - HTML is dynamically generated to produce this row / column / each individual raspberry pi (with their own role\_id). This is done using Flask, and a lot of the CSS from Bootstrap is leveraged.
- Interface with BLE: Each raspberry pi is already programmed with their own role\_id. So all we do is send over a BLE announcement: role\_id: you're at (row, col).
  - Each (row, col) will display something to make a larger image. The overall image, however, has to be preprogrammed on each individual rbpi.
  - TODO: Determine how my BLE code will interface with each individual rbpi, and make sure whatever command structure we make is *consistent*. Will be done on Friday during lab.

#### Action Items for Next Week:

- Create a set of images to display, and make sure how we're going to scale it (eg, if image size doesn't divide evenly).
- Create some way to program these images (or patch with our code in a consistent way) dynamically depending on role\_id.