Ideas for Exercise 2

1. Glove Controller
   1. Used arm movement to move up and down.
   2. Wrist movement controls the pitch and roll
   3. Joystick is the yaw



1. Grid of Buttons
   1. The buttons correspond to a map



* 1. Once a button is pressed the drone will move to that part of the grid

1. One drone controls the other drones
   1. Users control one drone
   2. The second drone is controlled by the movements of the first
2. One drone follows another drone
3. Text Parsing controller to make the drone dance
4. Etchy sketch path controller for drone
   1. Create a UI that will let user draw a path
5. Dusting robot
6. Hand gesture controllers
   1. Computer application reading hand symbols from the camera
7. Robot hamster controlling run of the drone
8. Drones playing tag

**Etchy sketch path controller for drone**

* 1. **Requirements**
     1. Need to be able to calibrate the drone to start at zero zero.
     2. Be able to read the input from the sketching device.
        1. May need to use a use
     3. Must be able to translate the input into drone controls.
        1. Direction would be determined from line path.
        2. Thrust determined from colour used or pressure.
     4. Connect to the drone.
     5. Improve drone control, Make sure it is stable and can hover
        1. Need to understand how far we can move within the grid