# Action Items

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| --- | --- | --- |
| To Do | In Progress | Finished |
| * Debounce timer for button * Move code into headers and libraries * Ultrasonic sensors * IR sensor and beacon * Finalize navigation system * Pigmentation sensor * Servo sorting arm * Rotating container arm * Servo deposit |  | * Create GitHub * Start initial (cleanish) code to get bot moving forward * Test ultrasonic sensor * Test pigmentation sensor |

# Progress Tracking

## March 1th, 2024

* Activity
* Problems/Next Goals

## March 13th, 2024

* Activity
* Problems/Next Goals

## March 12th, 2024

* Activity
  + Talked to Prof. Naish about code
    - Okay to use delay for ultrasonic as long as you don’t ping it all the time
    - Interrupt code take from slides + use same structure as encoder
* Problems/Next Goals
  + Integrate everything together

## March 11th, 2024

* Activity
  + Started sample code for ultrasonic sensor
  + Incorporated code to detect when something is 5cm away and stopping motors
    - UNTESTED
  + Started sample code for TCS34725
    - Have smart LED shining color that TCS reads
    - Green = R: 22, G: 30, B: 16, C 70
    - Light blue = R: 34, G: 40, B: 35, C 112
* Problems/Next Goals
  + Sometimes reads 0cm when not using delay
  + Finish navigation system

## March 10th, 2024

* Activity
  + Updated README.md
  + Created this document
* Problems/Next Goals
  + Get started with ultrasonic sensors

## March 9th, 2024

* Activity
  + Created GitHub
  + Started initial clean code
    - Some of it is moved from labs, some variable changes and structural edits
* Problems/Next Goals
  + Invite everyone to GitHub
  + Start sweeping code