**Libraries:**

HX711

LCD\_i2c

Wire

Servo

Button

Rotary

**Vars:**

**Rotary Pins: int**

**LCD Address: String**

**Toggle Button Pins: int**

**Enter Button Pins: int**

**Servo:**

Pin: int

Open Position: int

Close Position: int

Runnning: Boolean

**Scale:**

Calibration Factor: float

Value: float

Value To: float

Tolerance: foat

**Primary Run Scenarios**

Power On: scale zeros, set tare

User Rotates Value Selector: Stop value is (clockwise)increased or (counter)decreased

User Selects Run: Servo Run is set to true until read value and stop value are equal, then servo run is set to false

User Selects Toggle: Servo Run is inverted

**Error Scenario**

No scale change after servo run: Servo Run Time counts down, if the Read Value isn’t within 2% of value in 5 seconds, error interrupt and message to user.

Error interrupt: Run vibro 5 sec.