

Group 62 – List of Tasks

Start Up Procedures

- ☐ Configure All Sensors (Ultrasonic, Gyro, Motor Encoders)
- ☐ Prompt for number of group members
- ☐ Input number of group members with buttons
- ☐ Prompt number of 30-minute increments
- ☐ Input number of 30-minute increments with buttons
- ☐ Wait for Enter button to be pressed

Main Procedures

- ☐ Reset Timer 1 to zero
- ☐ After 10 seconds, display string "Time to sanitize!"
- ☐ Roll forwards 40 cm and stop (the robot will stop moving forward if an object is placed within 20 cm of its path)
- ☐ Use medium motor to dispense sanitizer when someone approaches their hand
- ☐ Play chime after all group members have sanitized
- ☐ Rotate 180 degrees and return to original position
- ☐ Erase display
- ☐ Repeat the Main Procedures for the number of 30-minute increments entered

Shutdown Procedures

- ☐ Press Enter at any time during the Main Procedures to end program (kill switch)
- ☐ Program ends when the main program's loops are completed