



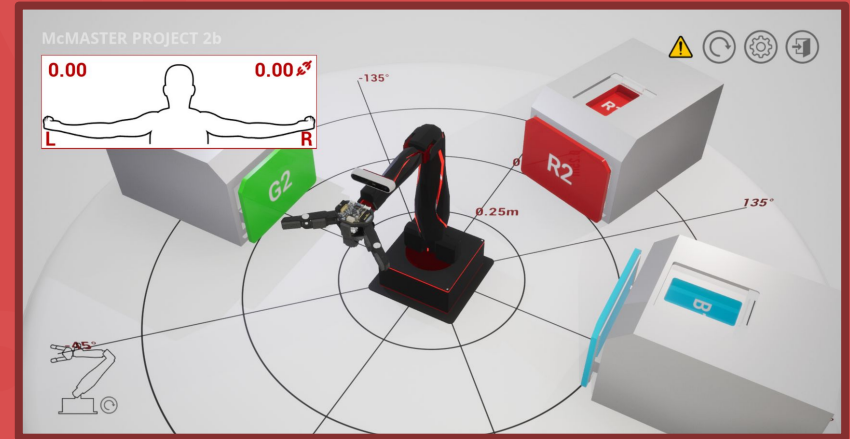
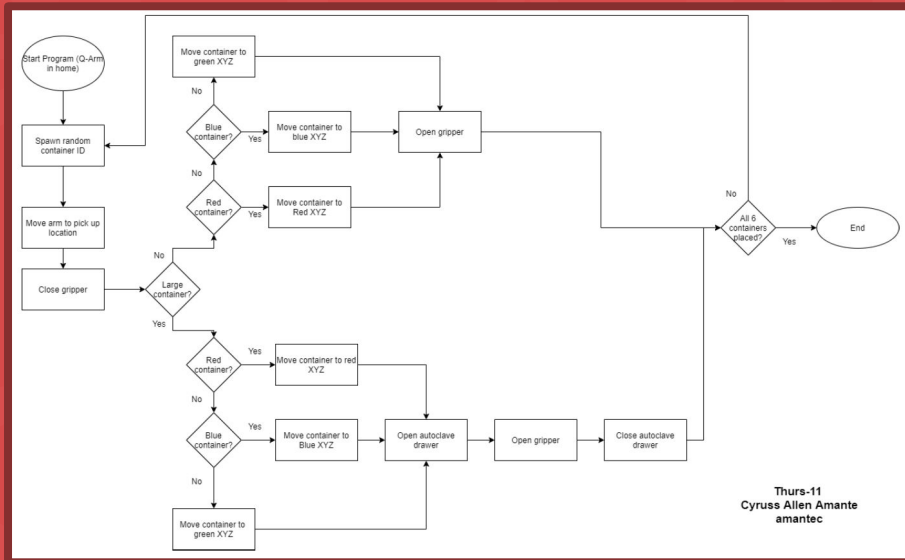
**GET A GRIP**

# GET A GRIP!

Design a System for Sterilizing Surgical Tools using Remote Sensing and Actuation

- Created a computer program within a digital environment that securely transferred a sterilization container to an autoclave location based on the container's size and colour.
- The programming language *Python* and application *Quanser Interactive Labs* was used for the simulation.
- Code utilized muscle sensor emulators as inputs, assigning different combination thresholds to instruct the robot to do specific tasks.

A flowchart was used to determine the workflow of the program and next actions it would take given a particular circumstance.



The system was successfully simulated through Quanser Interactive Labs using a Raspberry Pi and the Python program.