**CPR101 - Activity2 - Algorithms and Pseudocode**  
by: Luca Novello (gnovello)

**Step By Step Algorithm To Teach A Robot To Doing My Laundry (Using A Washing and Drying Machines)**

**Step 1: Check Washing Machine and Drying Machine Are Ready for Operation**

* Check all seals and openings on both machines to confirm they are not damaged, if any damages are spotted, have them repaired before proceeding to next steps.
* Check all filters on both machines to confirm they are function and don’t require maintenance. Replace any filters that need replacing before proceeding to the next step.

**Step 2: Gather Materials**

* Ensure that the following materials are available if applicable: washing and drying machine, laundry detergent, fabric softener, bleach, dryer sheets.
* If any of the material is missing, place an online order and wait until receiving the order before you go to the next step.

**Step 3: Gather Dirty Clothes**

* Gather all dirty clothes together into a pile or hamper so they can be sorted.
* Once enough clothes have been accumulated, proceed to the next step.

**Step 4: Sort Dirty Clothes into Separate Piles**

* Separate clothing based on type of clothing, colors, level of dirt, and/or durability of materials.
* Further separate piles into smaller piles if they exceed washing machine limit.

**Step 5: Place Piles of Clothes into Washing Machine**

* Take a pile of clothing and place it into the washing machine.

**Step 6: Apply Appropriate Cleaning Materials**

* Place laundry detergent into machine as directed by the washing machine.
* Place additional products such as bleach or fabric softener if applicable.
* Check washing machine manual for amounts if uncertain.

**Step 7: Turn on Washing Machine**

* Once all clothes and cleaning materials have been added, turn the machine on to the desired setting.

**Step 8: Remove Clothes from the Washing Machine**

* Remove clothing from washing machine.
* If clothing is still extremely wet, an additional spin cycle can be applied.

**Step 9: Place Wet, Clean Clothing into Drying Machine**

* Place clothes into dryer and apply dryer sheet if applicable.

**Step 10: Turn on Drying Machine**

* Once all clothes and materials have been added, turn the machine on to the desired setting.

**Step 11: Remove Clothes from the Drying Machine**

* Remove clothing from dryer.
* If clothing is still wet, an additional cycle can be applied.

**Step 12: Fold Clothes**

* Check clothing for any damages.
* Fold clothing into neat piles.

**Step 13: Put Clean Clothing Away**

* Place clean, folded clothing into dressers, armoire, closet or any other storage device used.
* If naked, put clothes on.