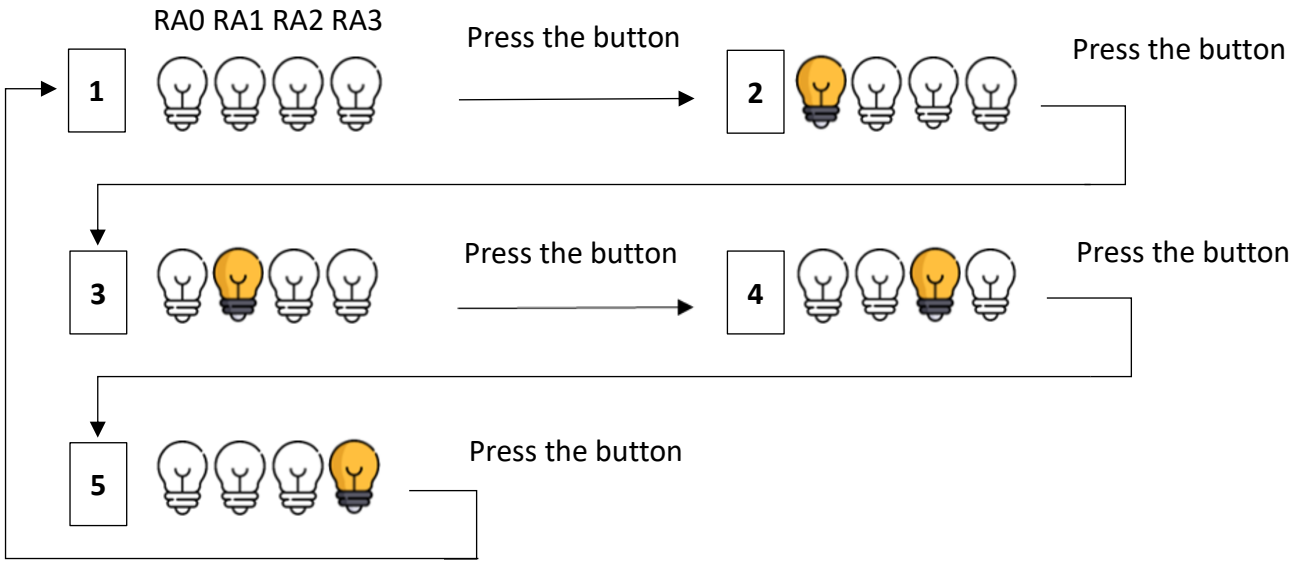
Lab 06: Requirement Description

- Video link: https://youtu.be/2BMvxj1Q86M
- Slide: https://docs.google.com/presentation/d/1tOU2tBHwGaO6WCVd-yvhulDA1rDPtsMRnDZCRrgJe68/edit?usp=sharing
- Sample code link: https://hackmd.io/@9BKcN7jQT5u5cFtydpnqxg/H11H6bSWa
- Basic(70%):
  - Description: Connect a push-button at RB0 port with pull-up or pull-down resistor. Connect four LEDs at RA0 ~ RA3 port. Press the button to change the blinking pattern of LEDs, as in the figure below.

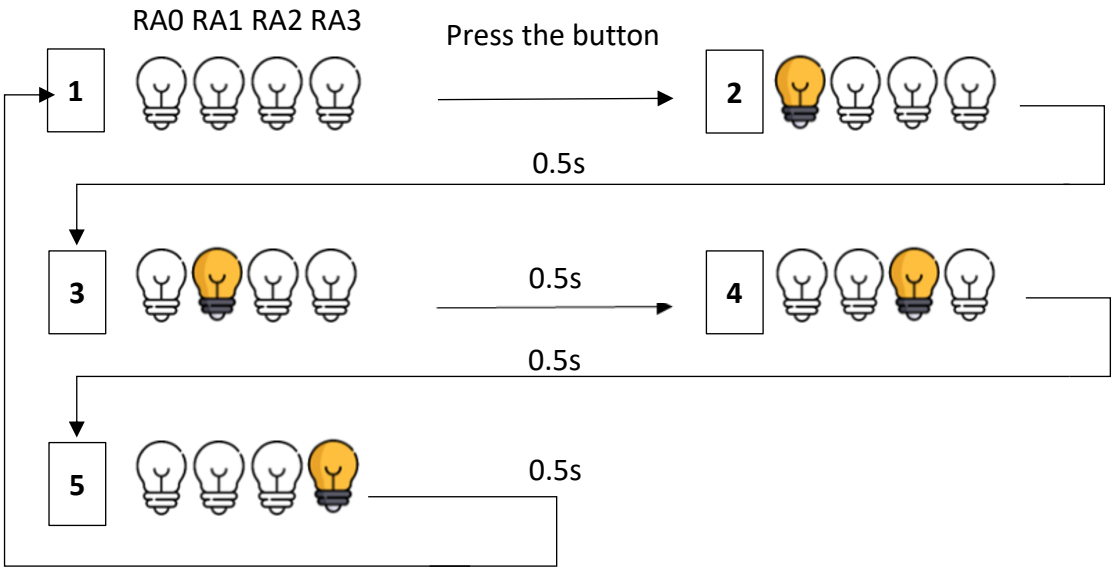


  - Standard of Grading:

    1. Connect all the LEDs and button to the proper ports.

    2. The LEDs should change the state after pressing the button.

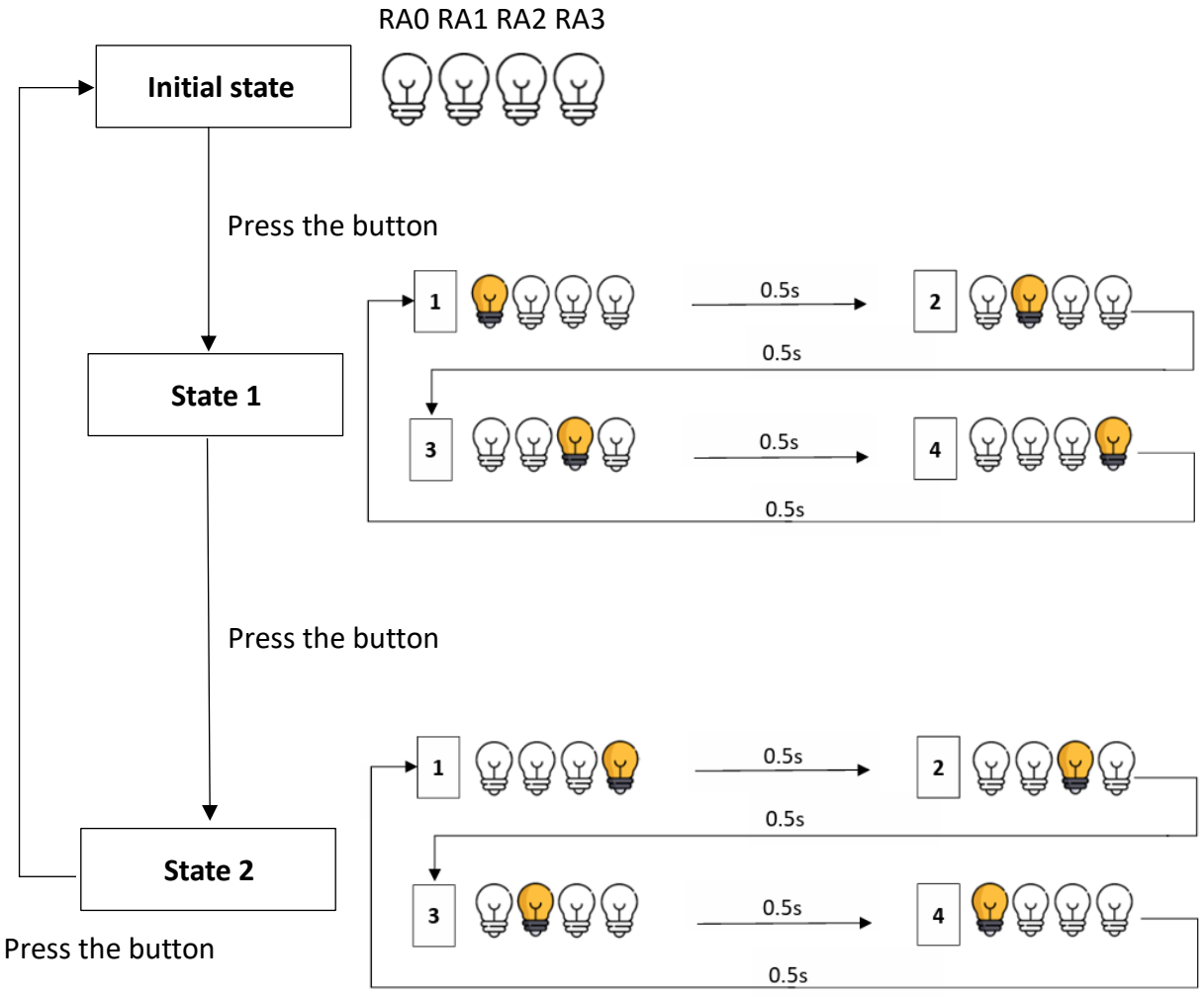
- Advanced(30%):
  - Description: Connect a push-button at RB0 port with pull-up or pull-down resistor. Connect four LEDs at RA0 ~ RA3 port. Press the button to change the blinking pattern of LEDs, as in the figure below.



  - Standard of Grading:

    1. Connect all the LEDs and button to the proper ports.
    2. Write a macro named “delay” for blinking for 0.5s.
    3. The LEDs must work, as the figure shows above.

- Bonus(20%):
  - Description: Connect a push-button at RB0 port with pull-up or pull-down resistor. Connect four LEDs at RA0 ~ RA3 port. Press the button to change the blinking pattern of LEDs, as in the figure below.



  - Standard of Grading:

    1. Connect all the LEDs and button to the proper ports.
    2. Write a macro named “delay” for blinking for 0.5s.
    3. The LEDs must work, as the figure shows above.