LED Sequence V1.0

Created by:

Mohab Ahmed

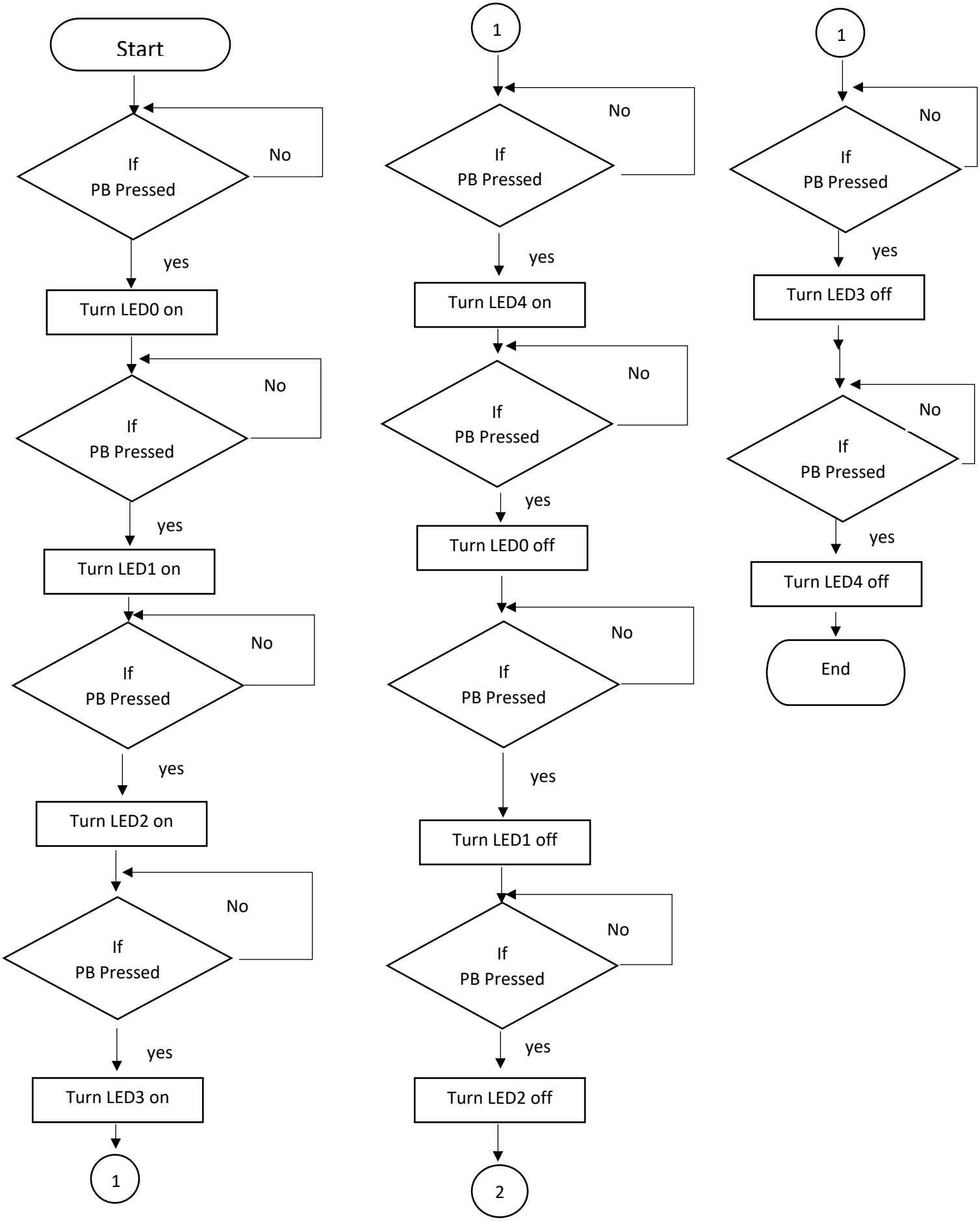
Task name:

S_ESL1_02: LED sequence V1.0

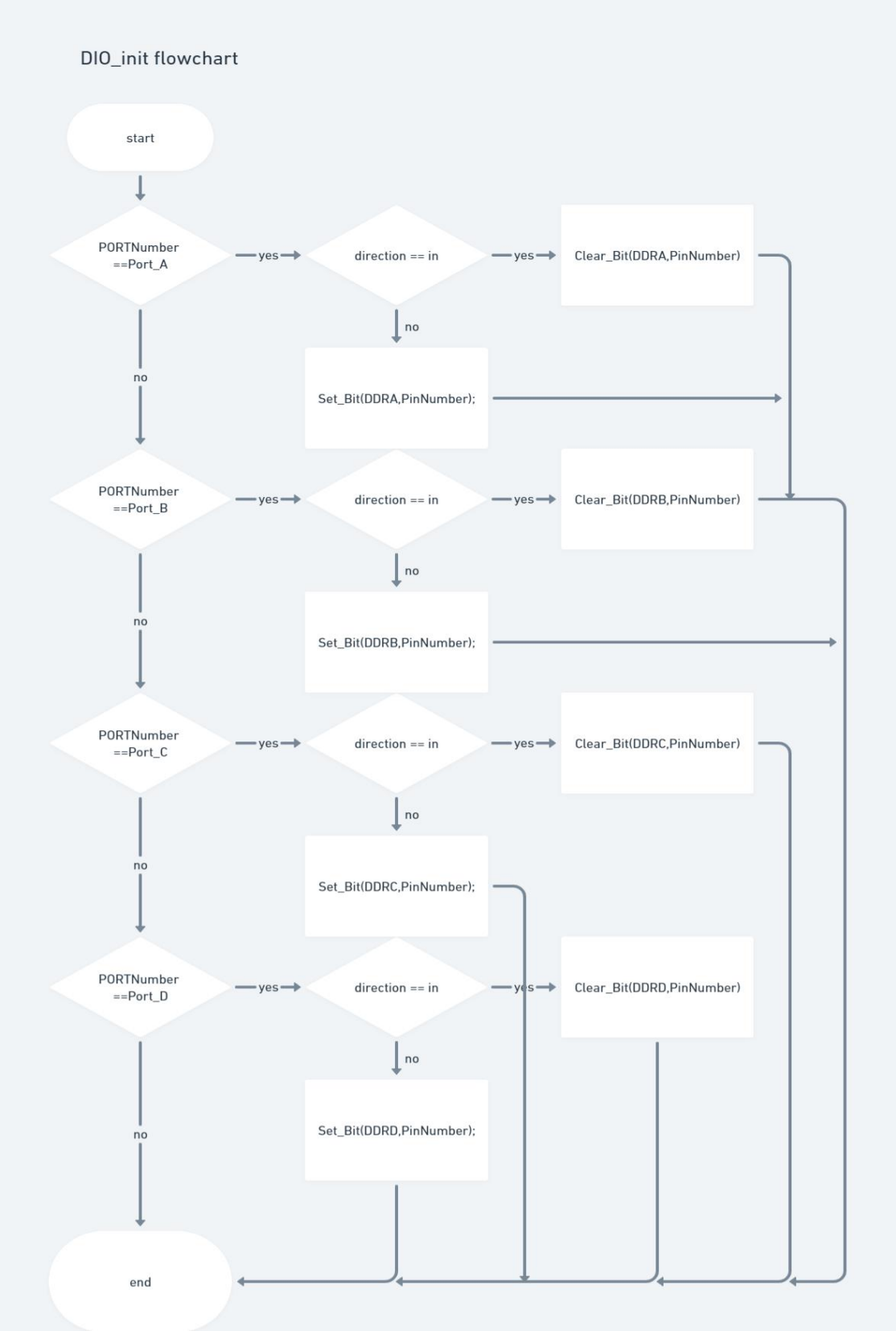
Project description:

- Initially, all LEDs are OFF
- Once BUTTON0 is pressed, LED0 will be ON
- Each press further will make another LED is ON
- At the fifth press, LED0 will be changed to be OFF
- Each press further will make only one LED is OFF
- This will be repeated forever

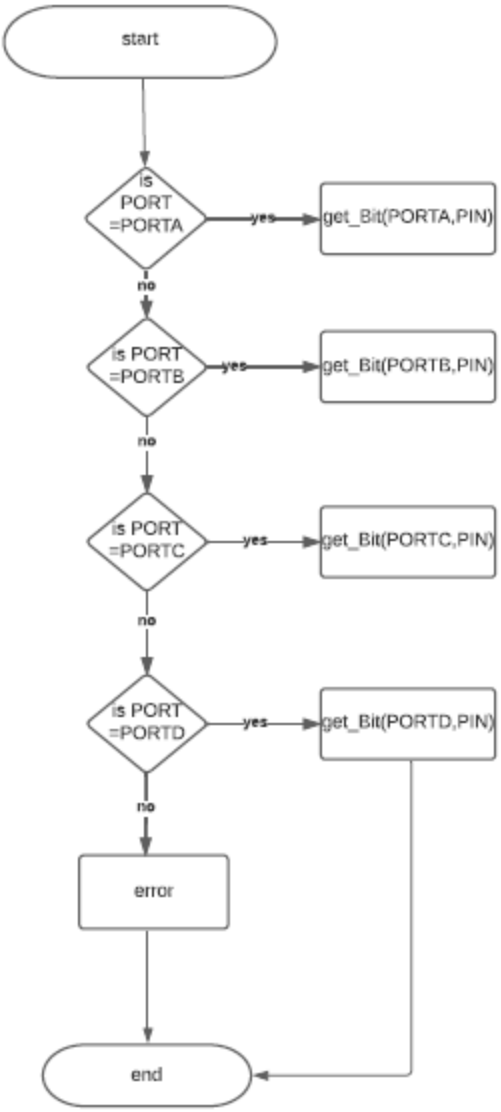
Project flowchart:



APIs flowchart



DIO_read flowchart



Layered Architecture:

APP Application
ECUAL Push Button LED
MCAL DIO