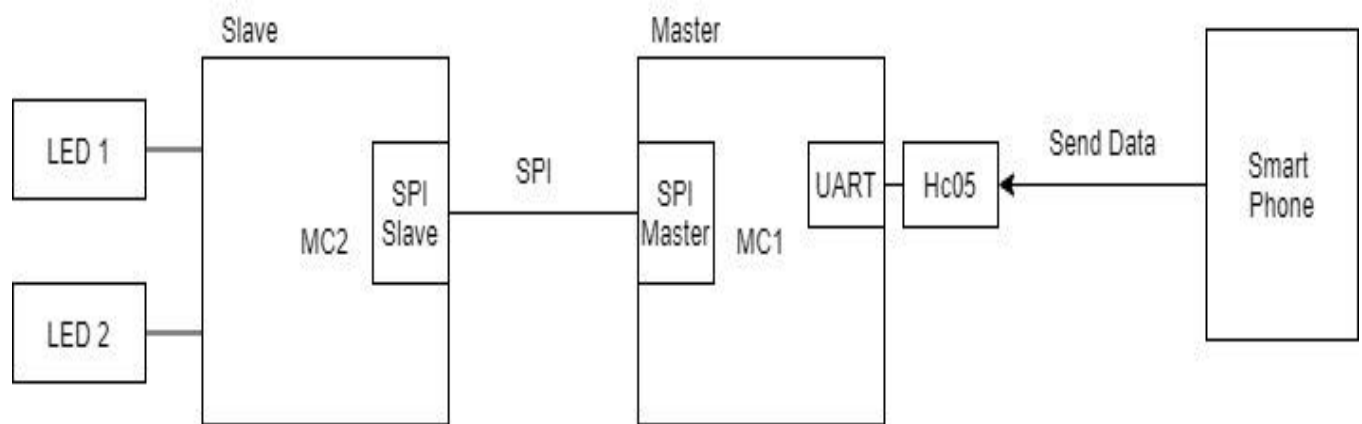
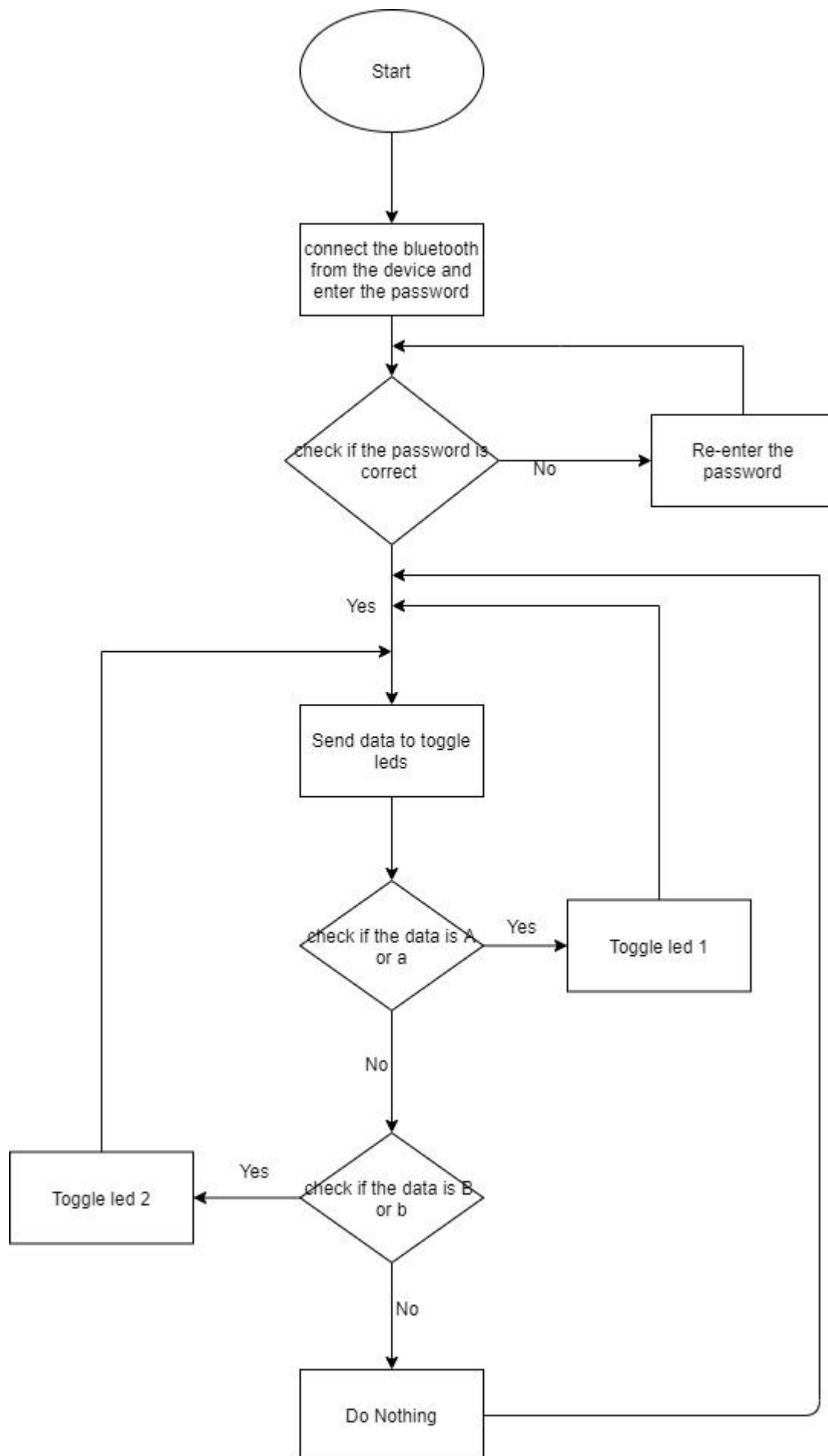


Project design

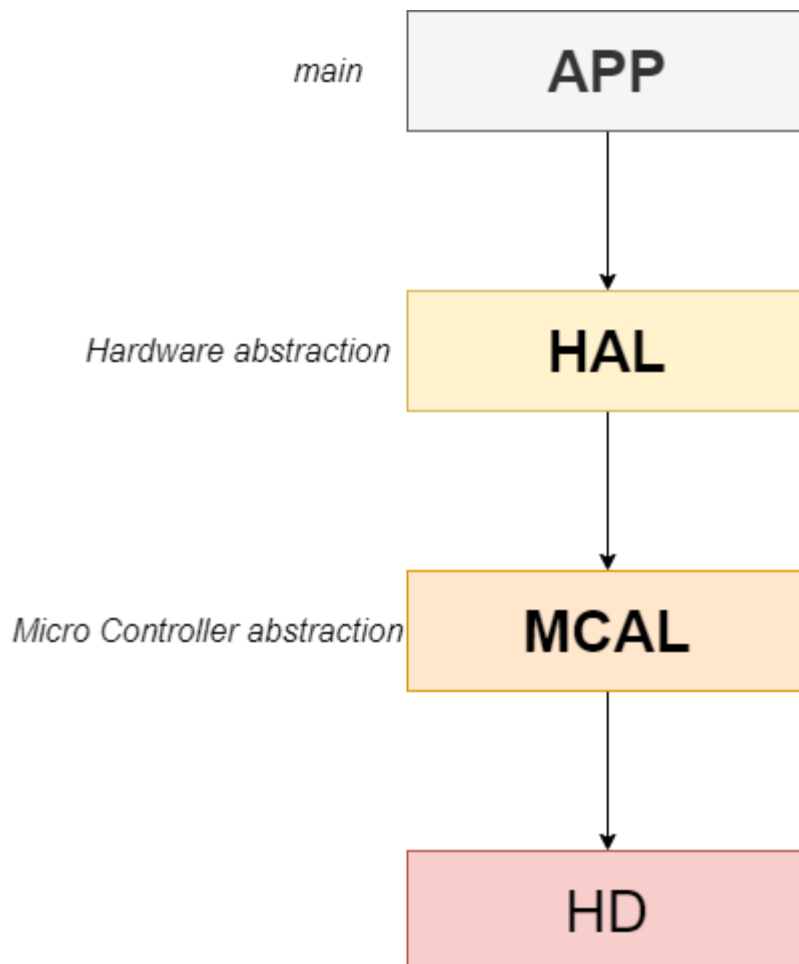


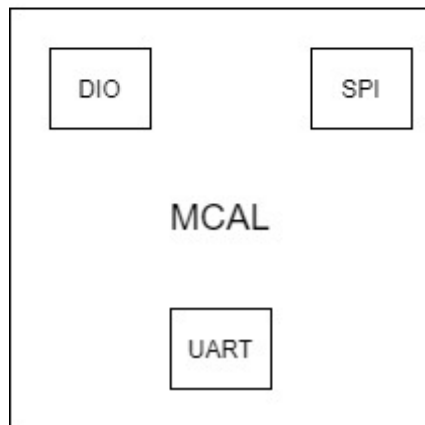
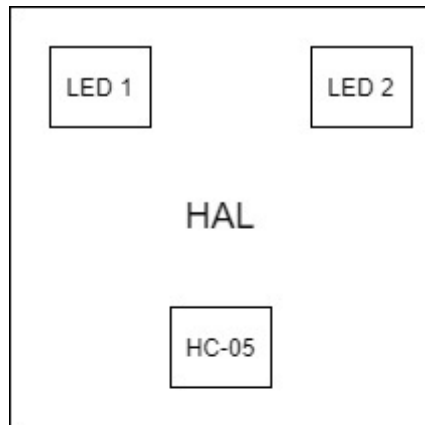
- The mobile phone sends the data to the MC1 “Master” and the master send this data to MC2 “slave” then the slave toggles the LEDs according to the received data.



- 1- Connect the mobile to Hc05 and enter the password which ("1234","0000").
- 2- If the password is not correct the program asks to reenter the password
- 3- If the password is correct the user send the data to toggle the LEDs (if the data is ('A' or 'a') the program toggle LED1, if the data is ('B' or 'b') the program toggle LED2, else the program do nothing.

The Project Architecture





-this image shows that:

- 1- the LEDs existing in HAL (hardware abstraction layer).
- 2- the DIO and SPI existing in MCAL (microcontroller abstraction layer).