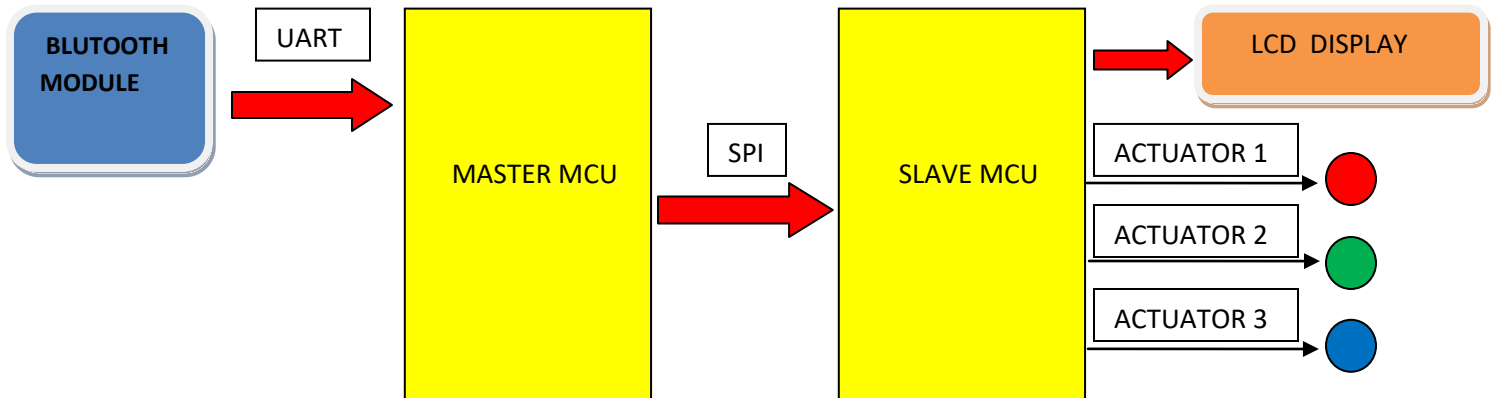


SMART HOME PROJECT

ENG /ESLAM MOHAMED HASHEM FAYAD

PROJECT STRUCTURE:

HARDWARE STRUCTURE



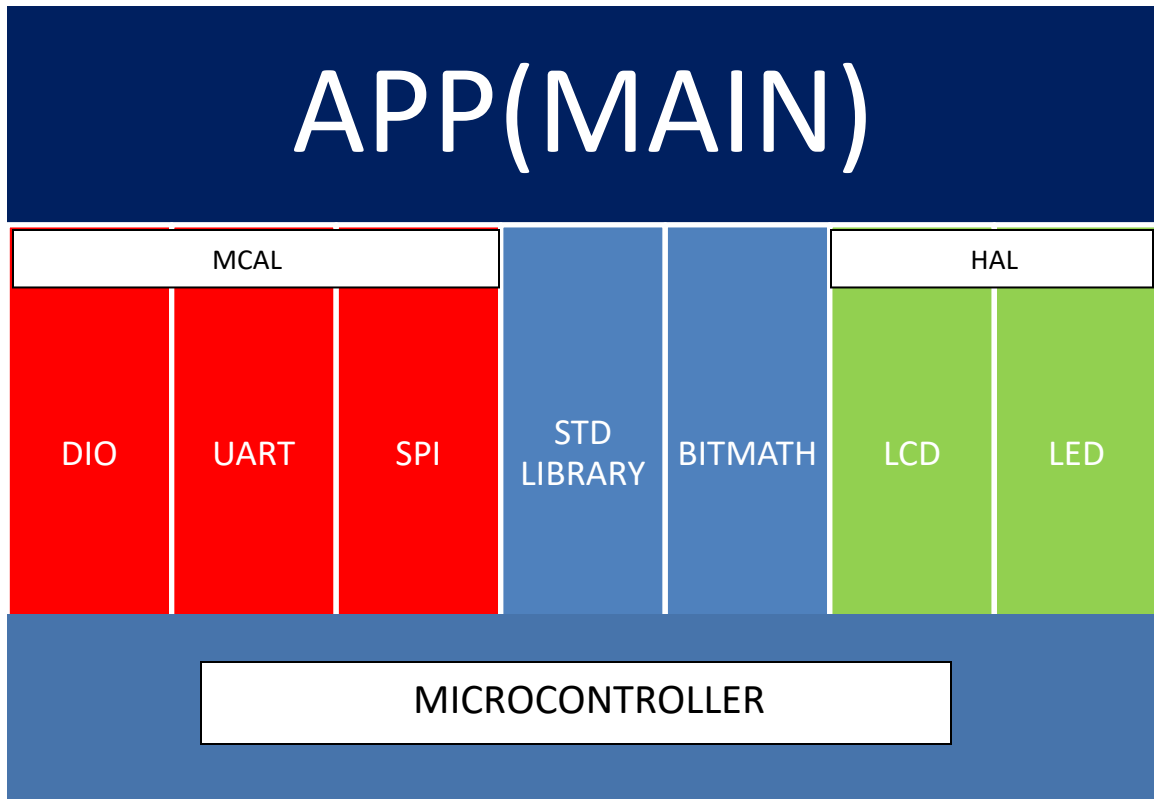
SYSTEM COMPOSITION:

The system is constructed from these component:

- 1- Master mcu .
- 2- Slave mcu.
- 3- Bluetooth module hc-05.
- 4- 3 actuators (LEDs).
- 5- 2x16 Lcd display

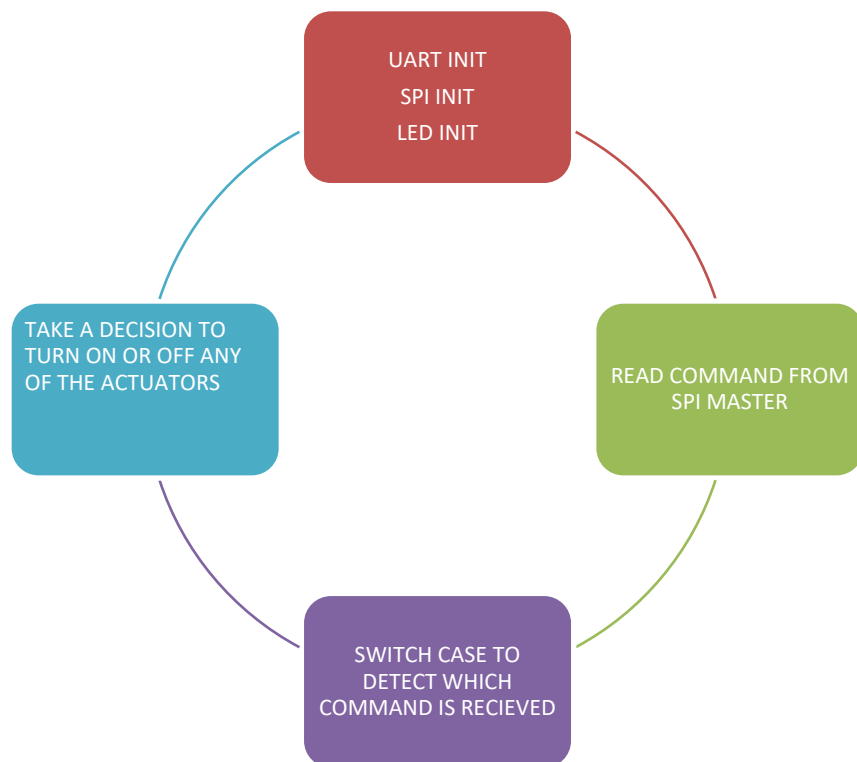
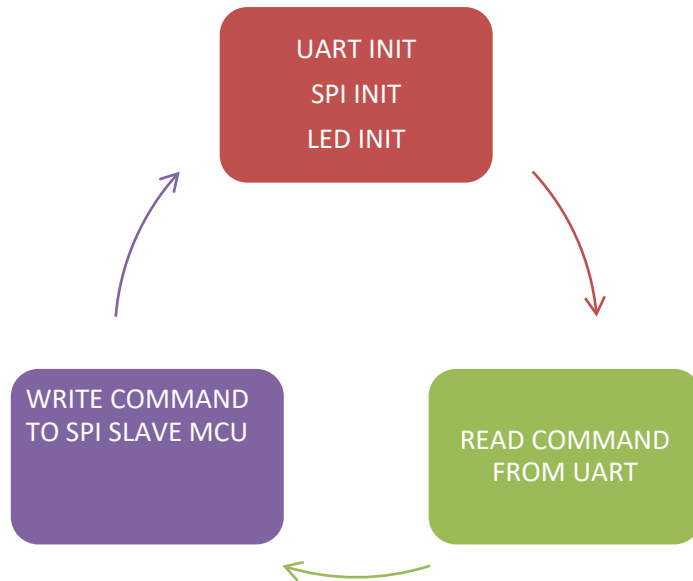
SOFTWARE STRUCTURE

The software is based on layered architecture.



CODE CYCLE

MASTER MCU



COMMANDS:

COMMAND IN ASCII	ACTION
1	Turn ON ACTUATOR1
2	Turn OFF ACTUATOR1
3	Turn ON ACTUATOR2
4	Turn OFF ACTUATOR2
5	Turn ON ACTUATOR3
6	Turn OFF ACTUATOR3