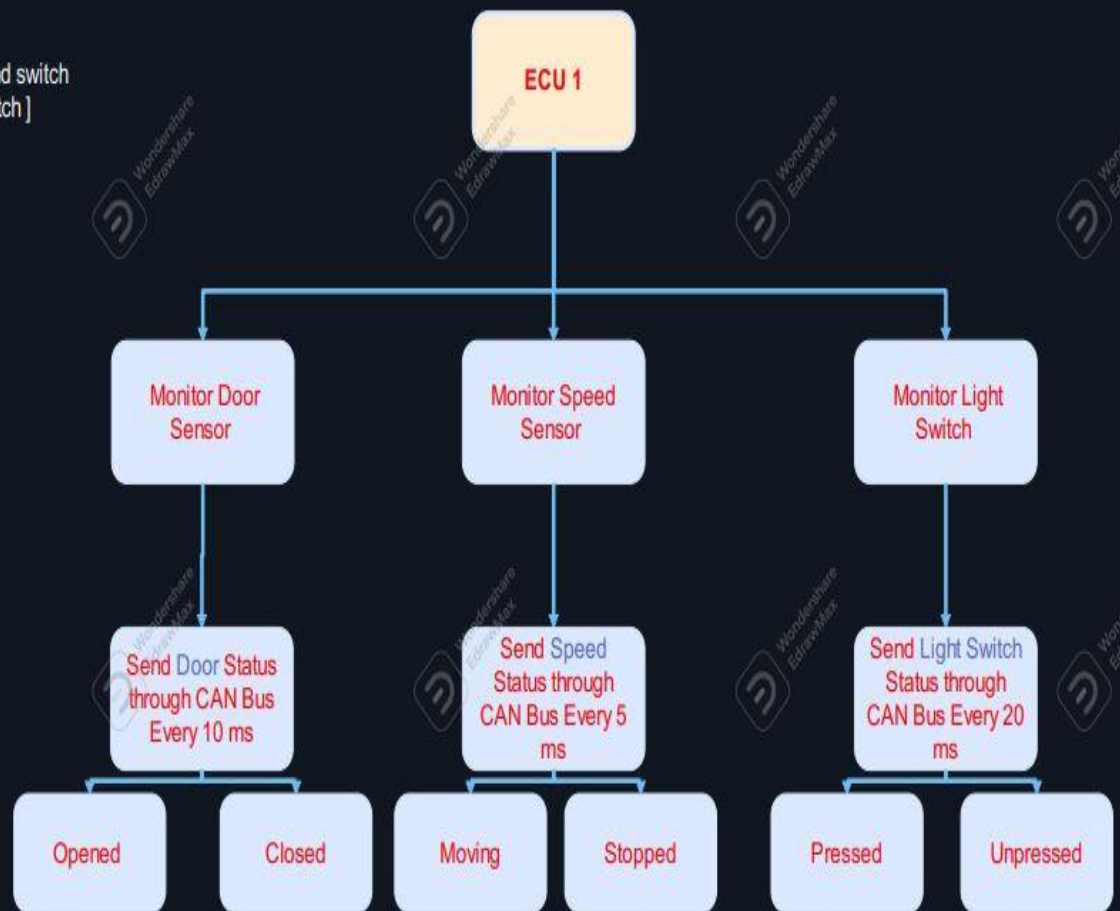


Responsible for getting inputs from sensors and switch
[Door Sensor , Speed Sensor , Light Switch]

Tasks it does

Possible status
for sensors and
switch



Responsible for sending output actions to output HW
[Buzzer , Left and Right lights]

ECU 2

Tasks it does

Read status messages arriving in CAN Bus
and take decision according to status

Different Combinations of [Door
Sensor , Speed Sensor , Light
Switch Sensor

Door is Opened
And
Car is Moving

Door is Opened
And
Car is Stopped

Car is Moving
And
Light Switch is
pressed

Door is Closed
And
Lights were ON

Car is Stopped
And
Light Switch is
pressed

Actions Taken

Buzzer ON
And
Lights OFF

Buzzer OFF
And
Lights ON

Buzzer OFF
And
Lights ON

Wait for 3 sec
And
Lights OFF

Buzzer ON
And
Lights ON

