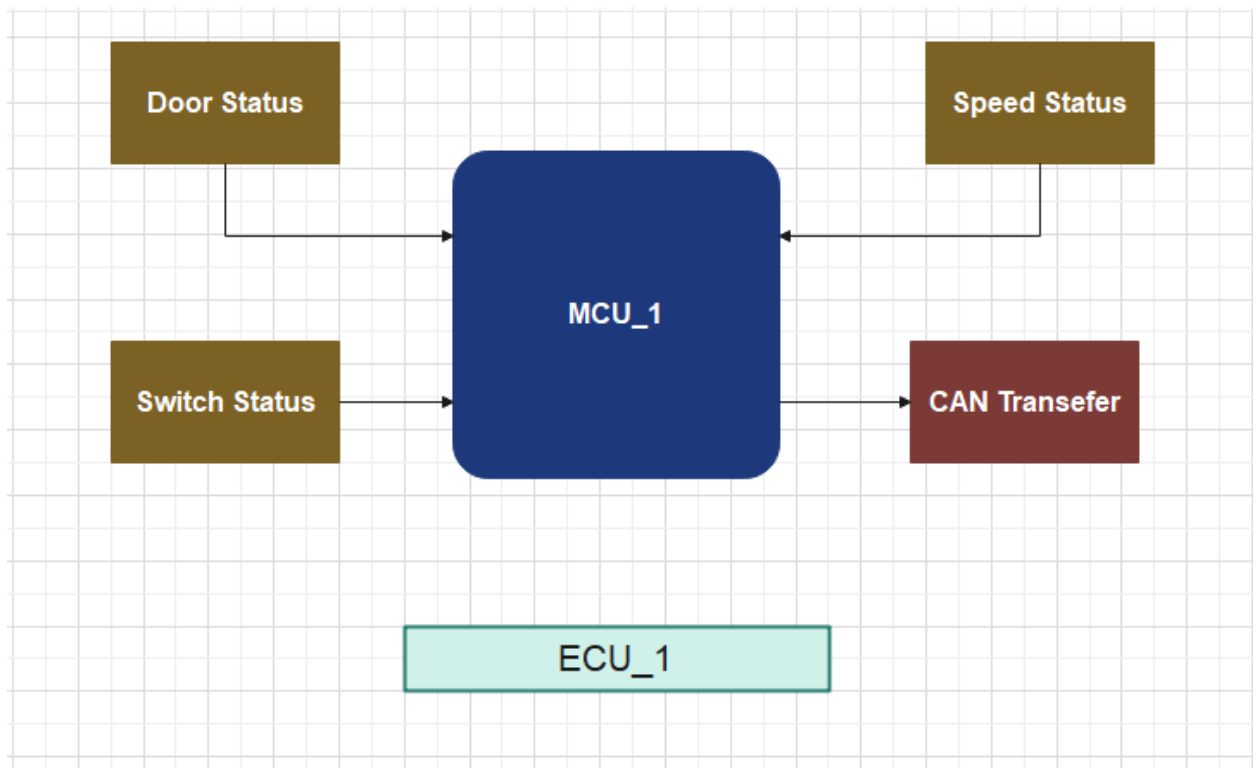
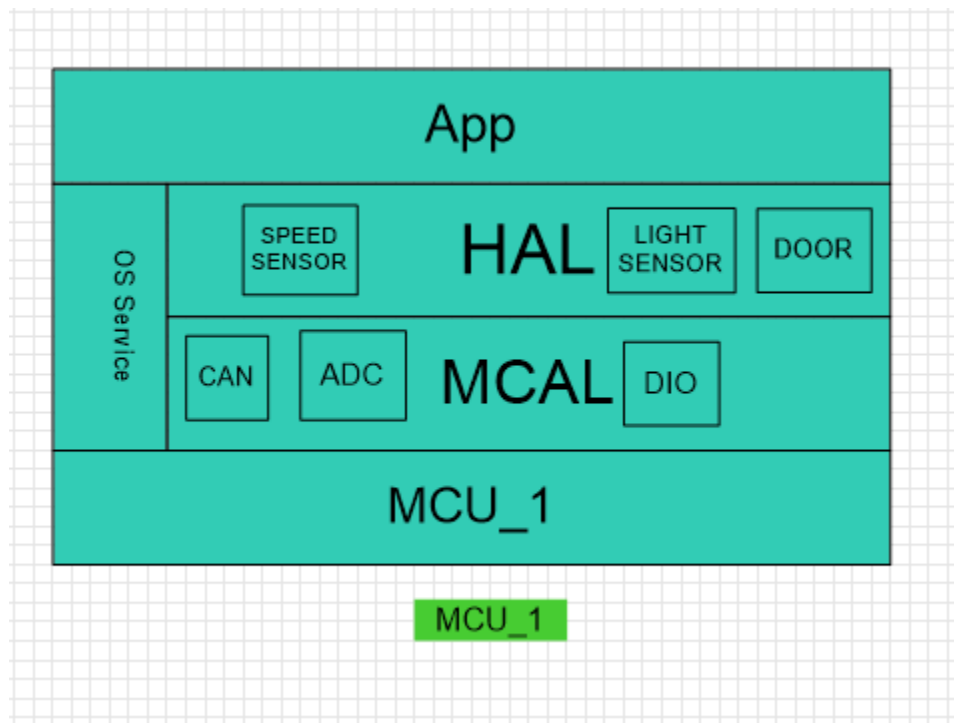


Block Diagram



Static Layer



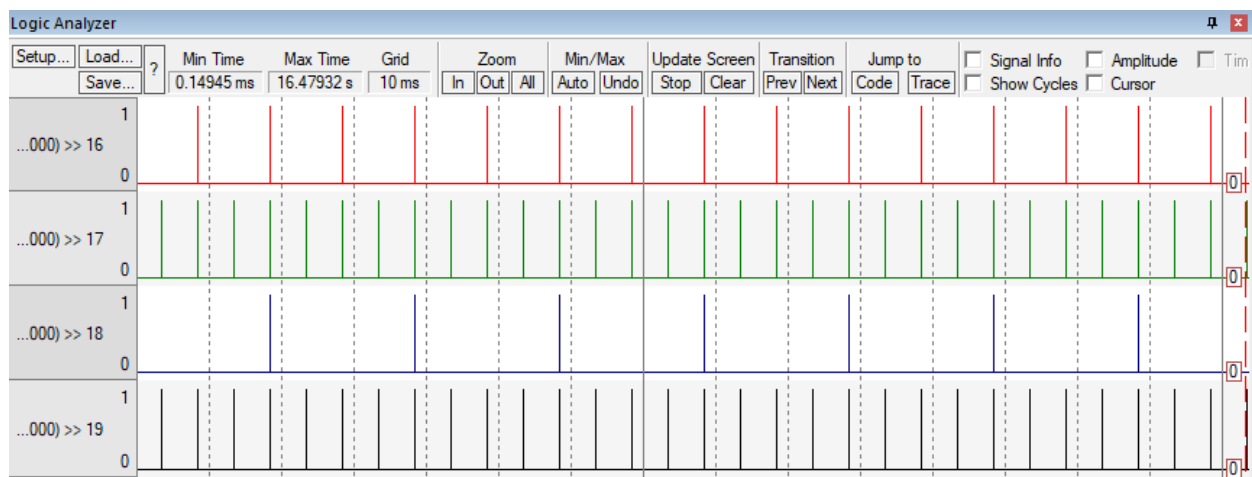
TASKS:

DOOR_task(); to read the status of Door every 10 ms

SPEED_task(); to read the Speed of Car every 5 ms

LIGHT_task(); to read the status of Switch every 20 ms

CAN_task(); to send the status of Sensors every 5 ms



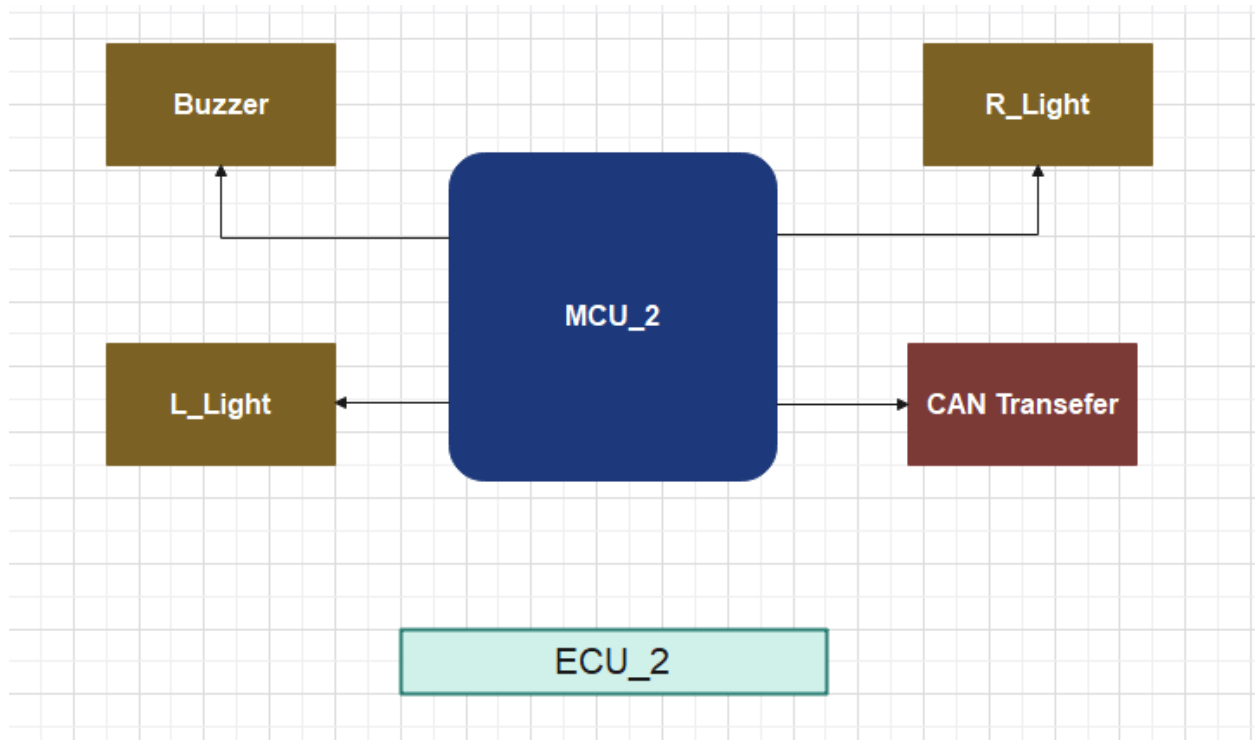
API:

SPEED_readChannel(); to read value of speed

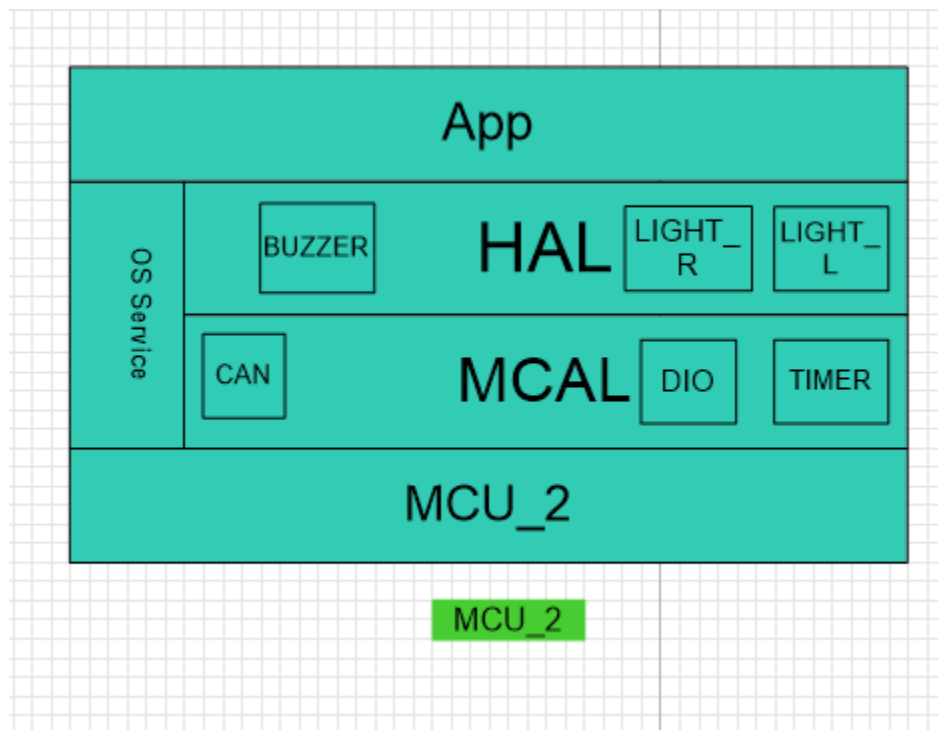
SWITCH_read(); to read switch and door status

CAN_transmit(Data_fram);to send data to ECU_2

Block Diagram



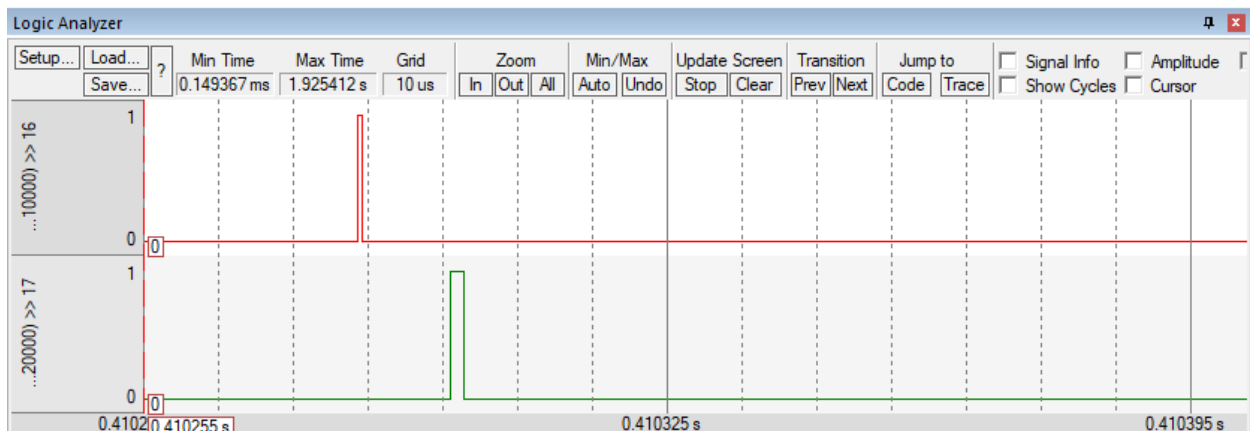
Static Layer



TASKS:

CAN_task(); to receive the data from ECU_1 5 ms

MAIN_task(); to tack action according to data 5 ms



API:

BUZZER_ON();

BUZZER_OFF();

RLIGHT_ON();

RLIGHT_OFF();

LLIGHT_ON();

LLIGHT_ON();

CAN_receive();