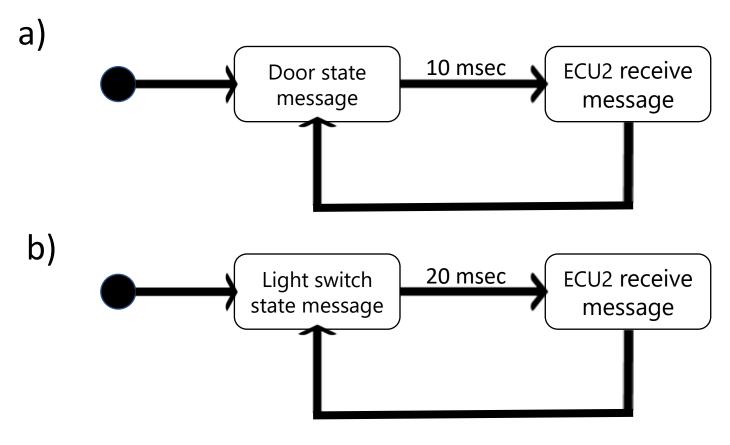
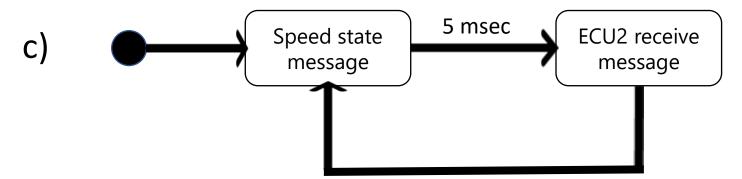
Dynamic Design

For ECU 1:

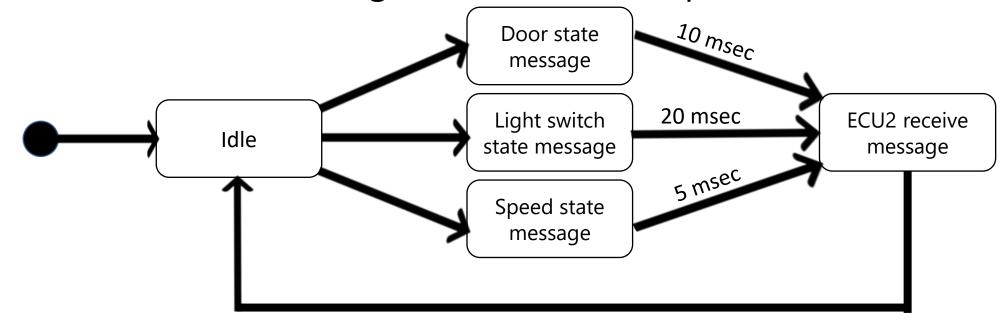
1-Draw a state machine diagram for each ECU component



For ECU 1:

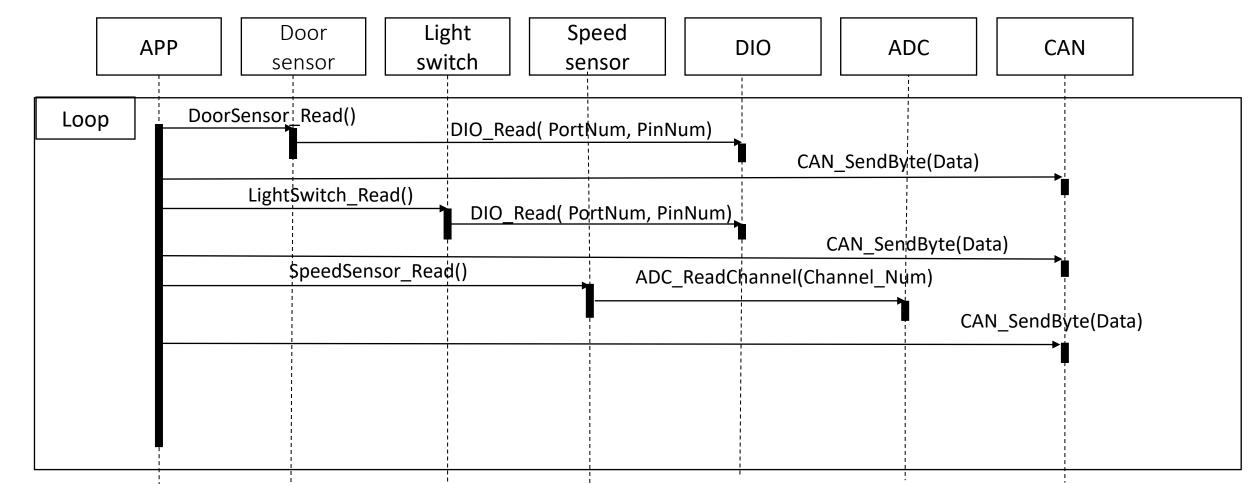


2-Draw a state machine diagram for the ECU operation

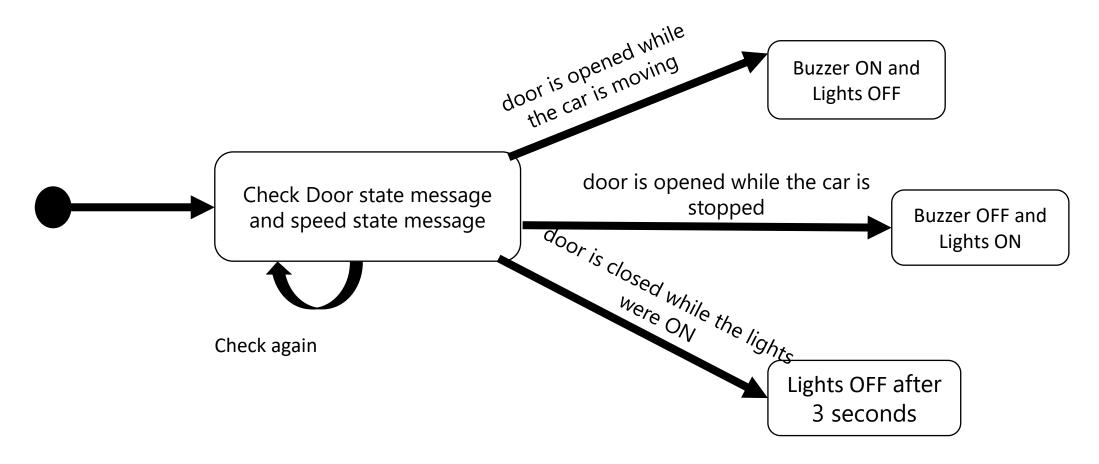


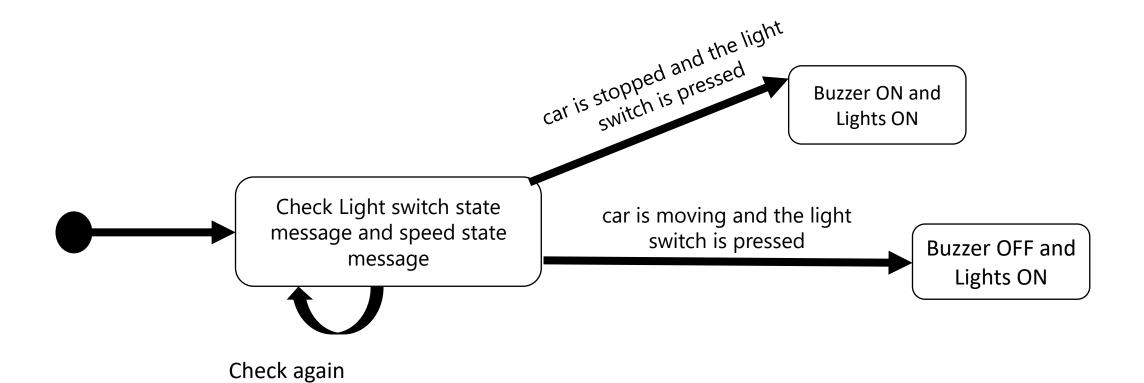
For ECU 1:

3-Draw the sequence diagram for the ECU

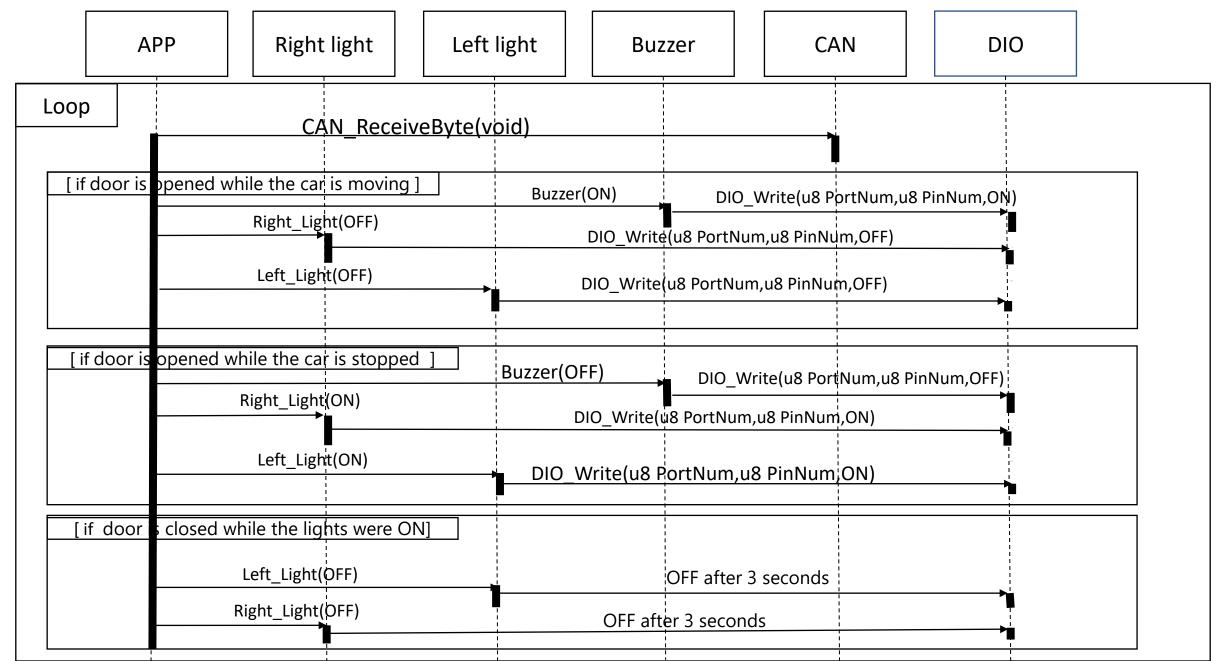


a)Draw a state machine diagram for each ECU component





2-Draw a state machine diagram for the ECU operation door is opened while the car is Buzzer ON and Lights OFF moving Check Door state message door is closed while the lights and speed state message were ON door is opened while the car-Lights OFF after 3 seconds Idle car is moving and the light Buzzer OFF and Lights ON Check Light switch state switch is pressed message and speed state car is stopped and the message light switch is pressed Buzzer ON and Lights ON



Continue:

