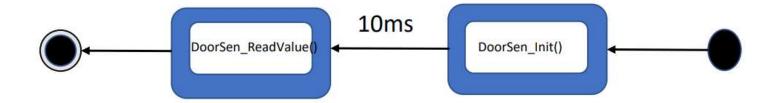
Dynamic Design

ECU 1

1- State Machine Diagram for the component of ECU1

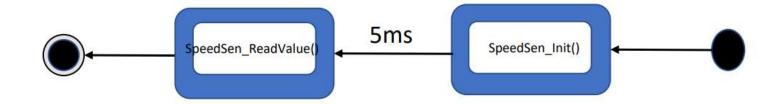
Door Sensor



Light Switch

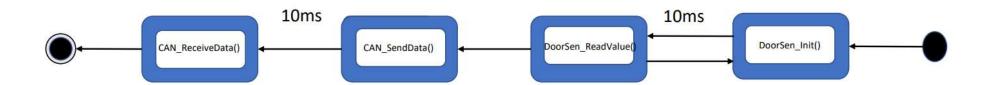


Speed Sensor

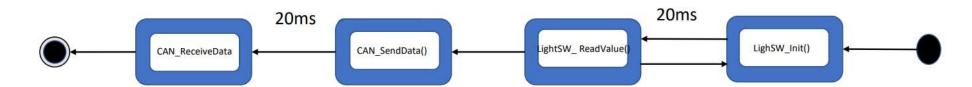


2- State Machine Diagram for ECU1 Operation

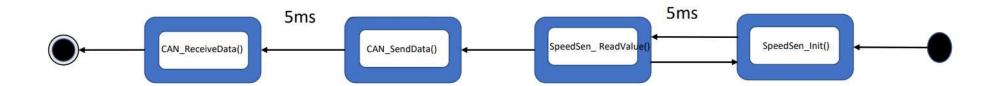
Door Sensor



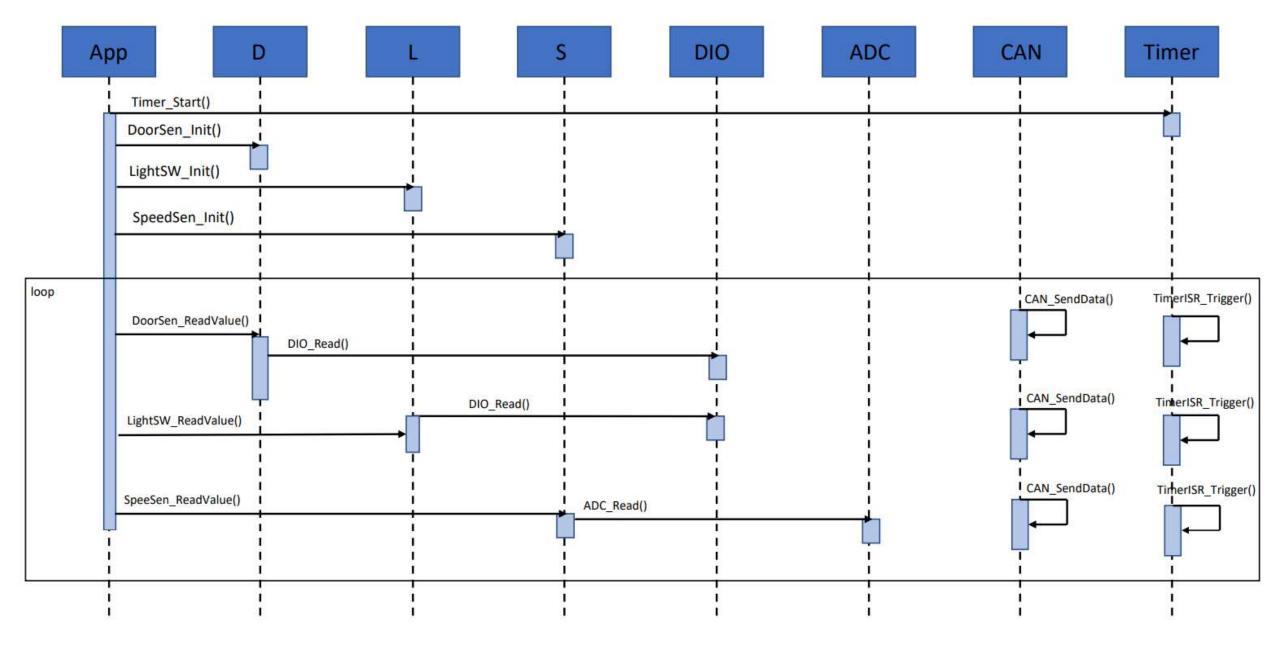
Light Switch



Speed Sensor



3- Sequence Diagram for CPU1

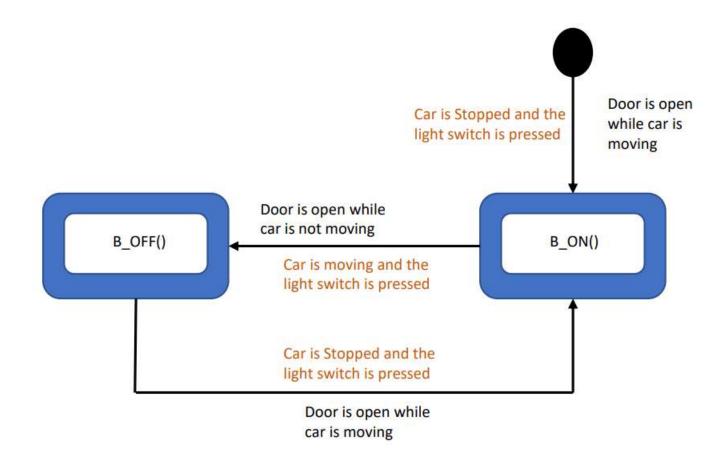


4- CPU load for CPU1

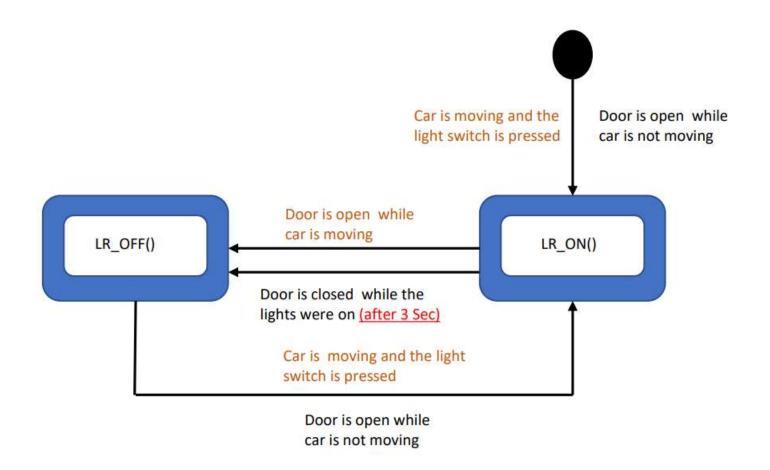
ECU 2

1- State Machine Diagram

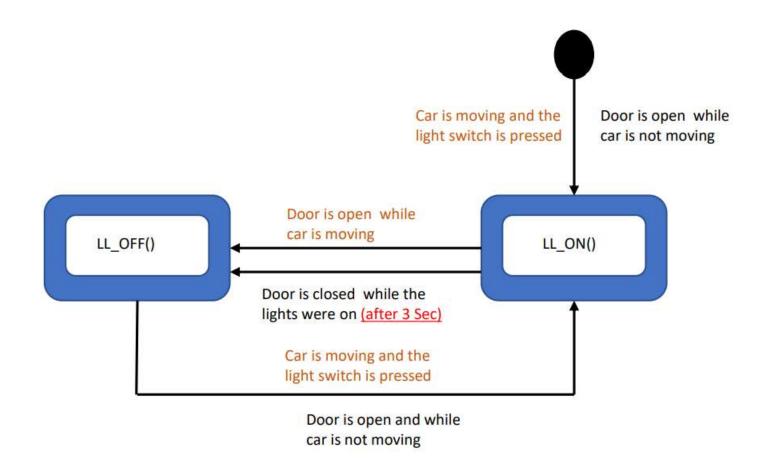
Buzzer(B)



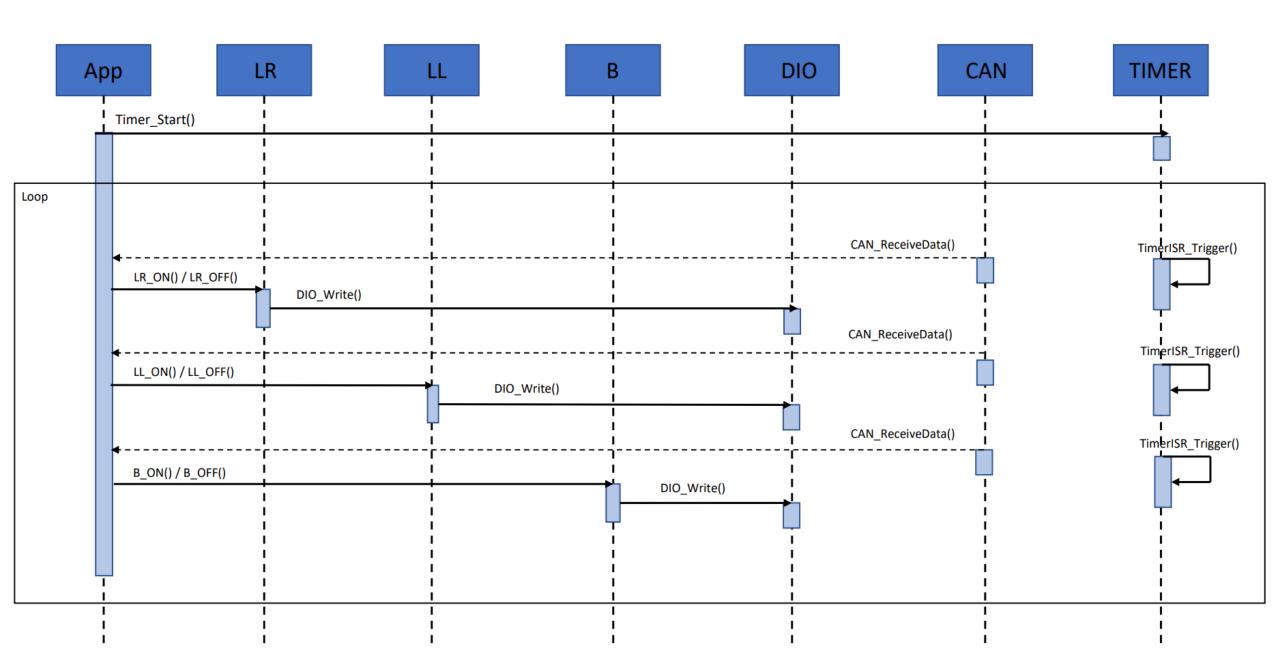
• Light Right (LR)



Light Left (LL)



2- Sequence Diagram for CPU2



3- CPU load for CPU2