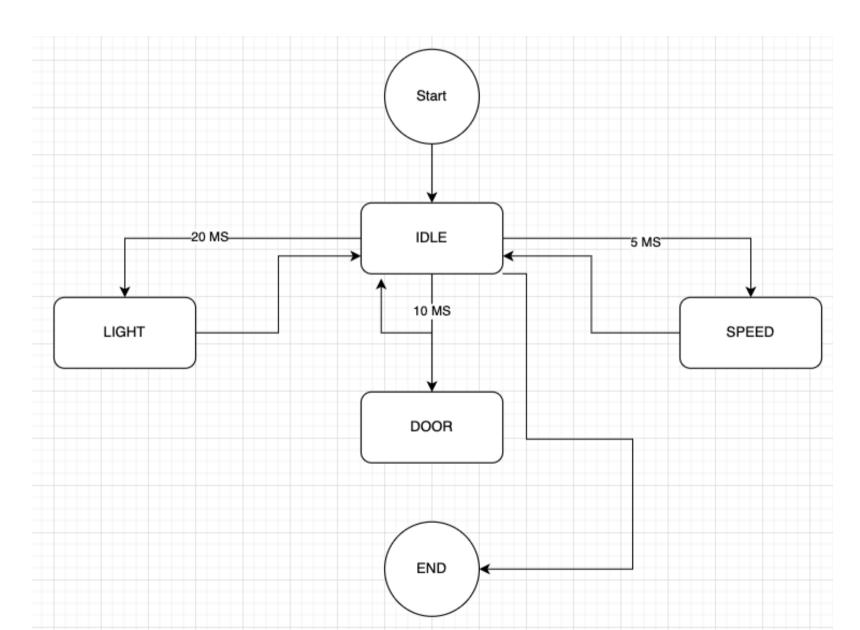
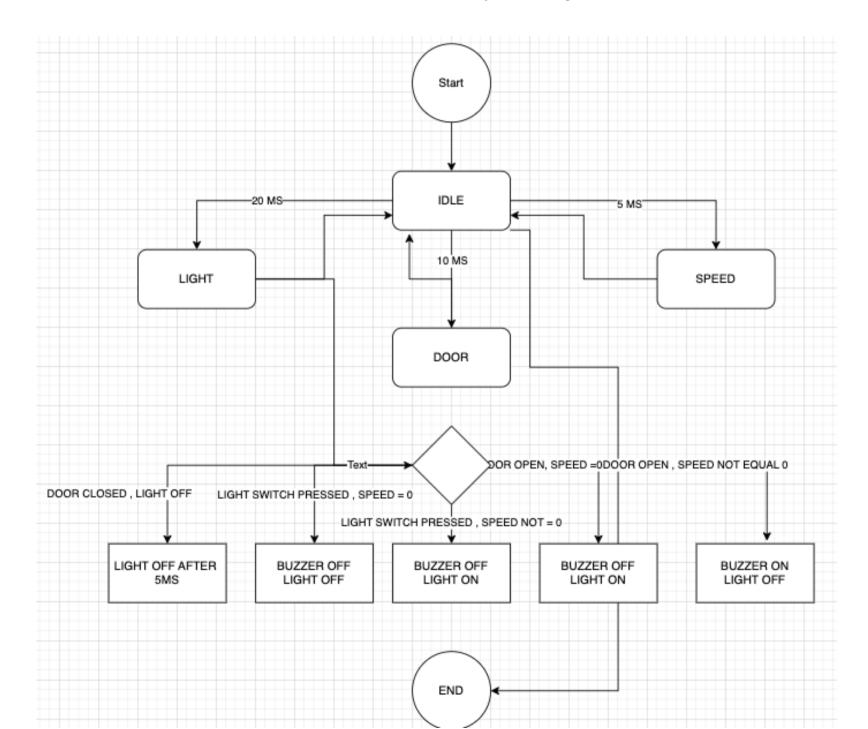
## Automotive Door Control System Design

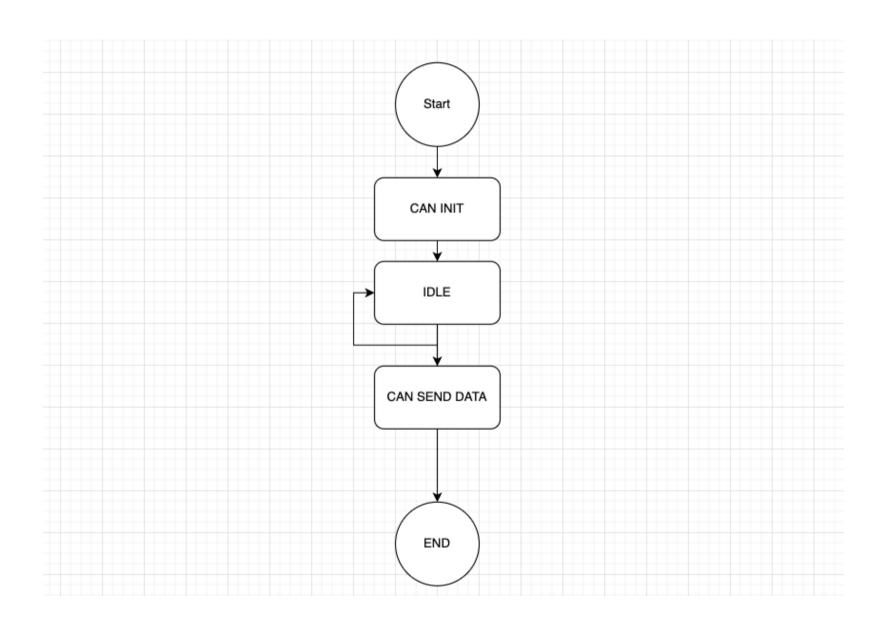
Ziad Ayman Emara ziad\_ayman1999@icloud.com

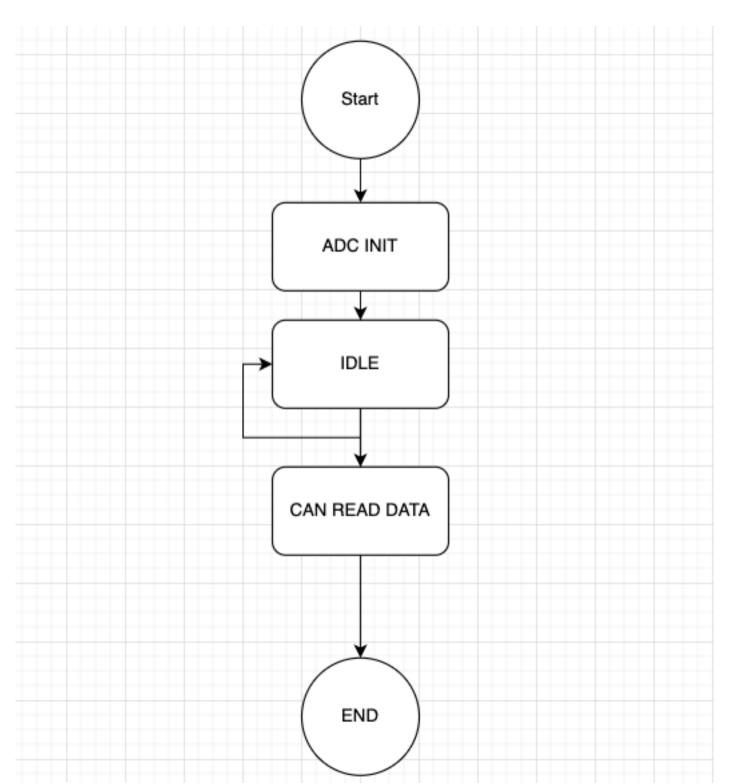
## DYNAMIC DESIGN

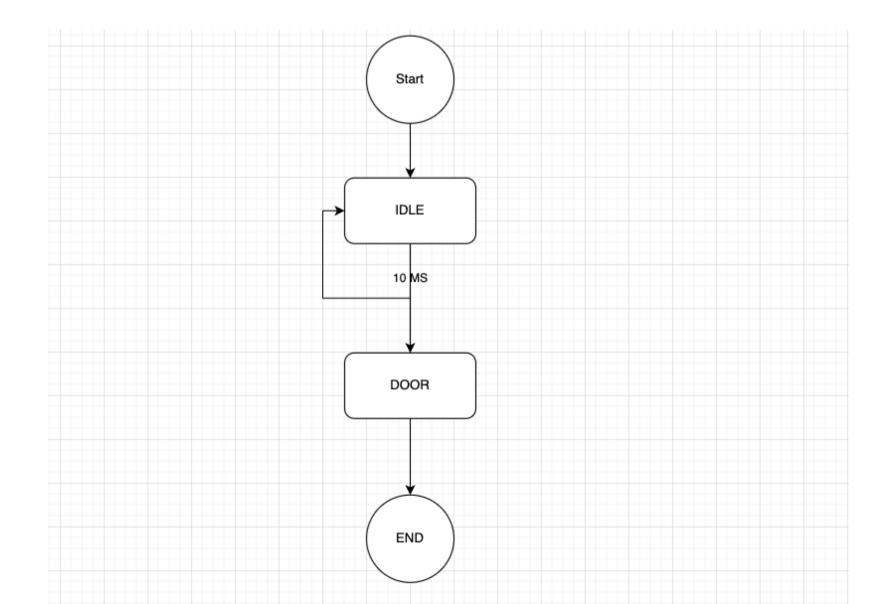
# ECU1:

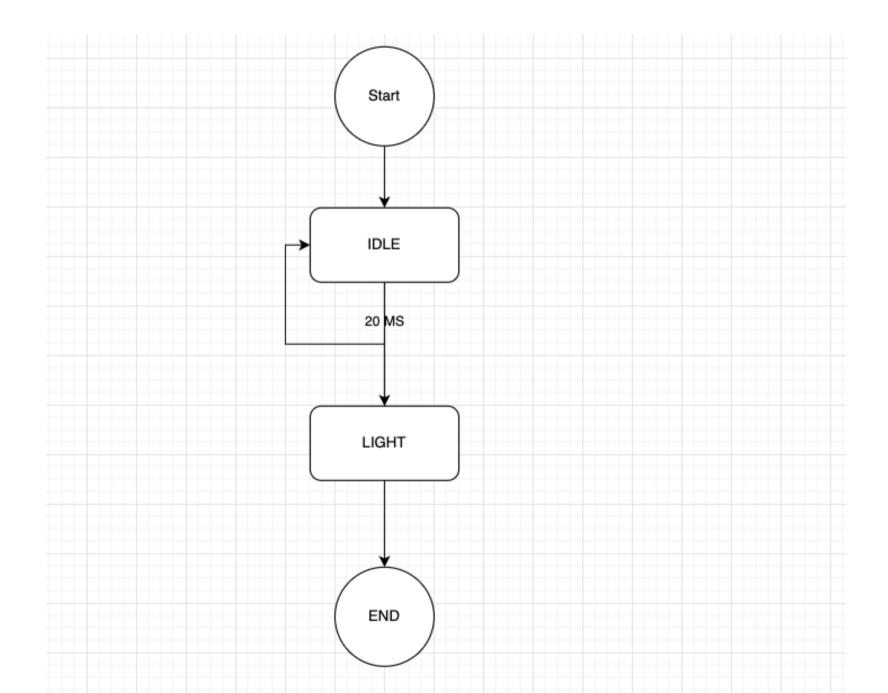


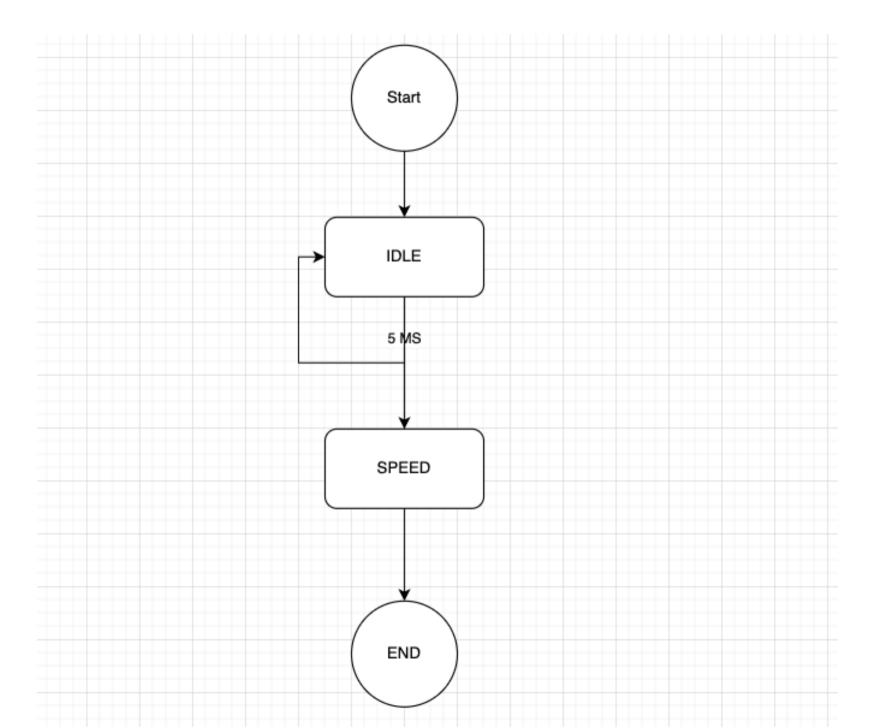




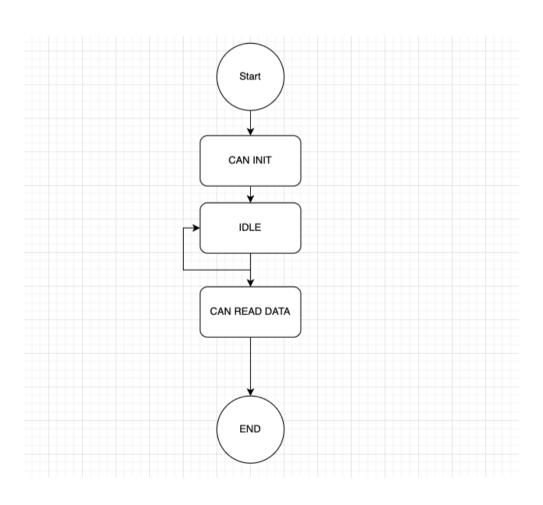


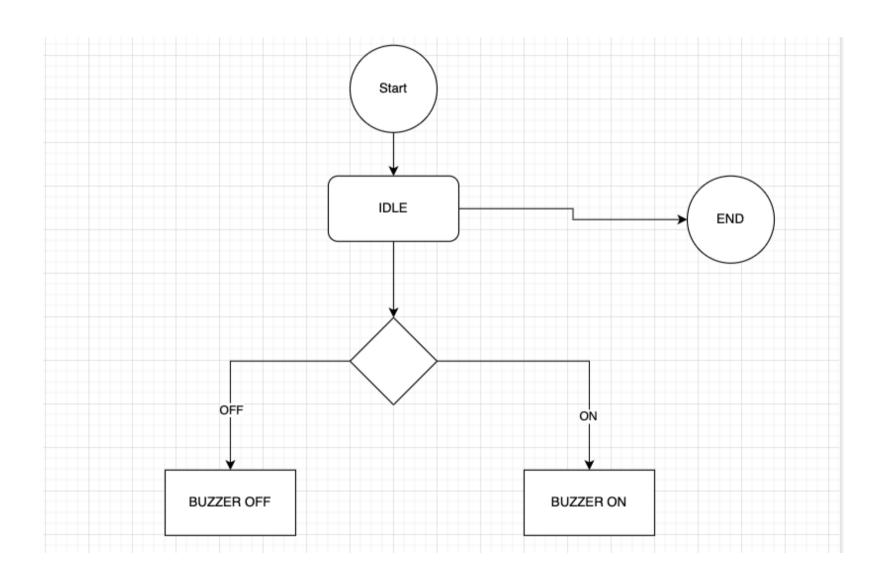


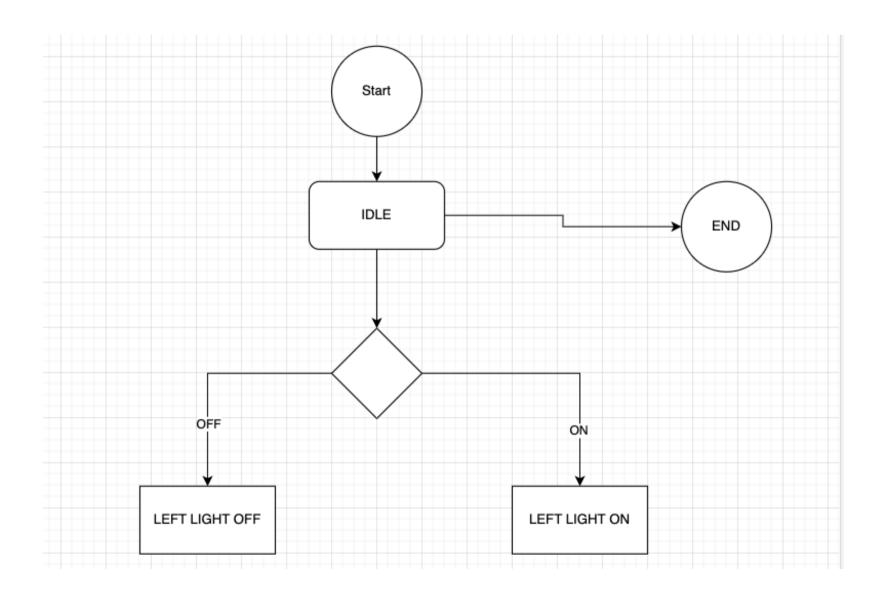


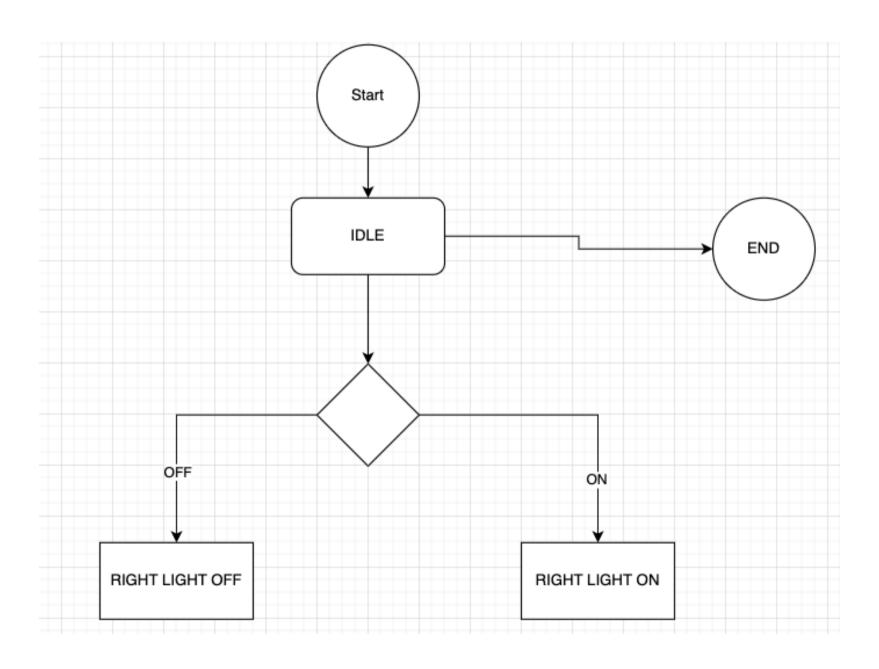


## ECU2:



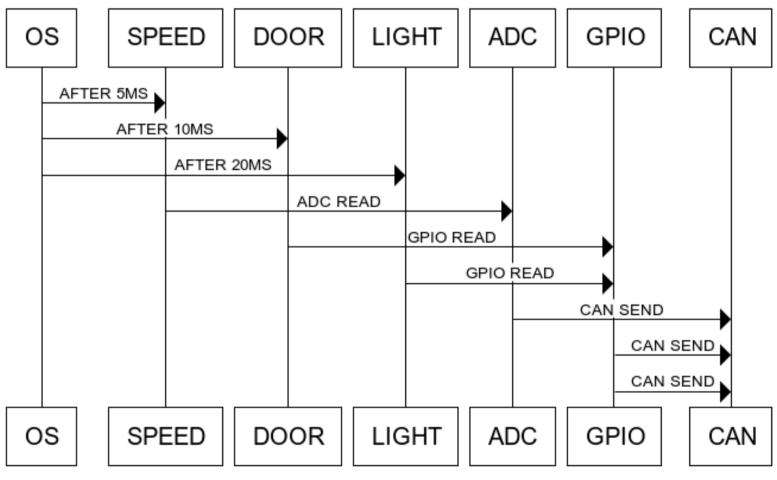






## ECU1:

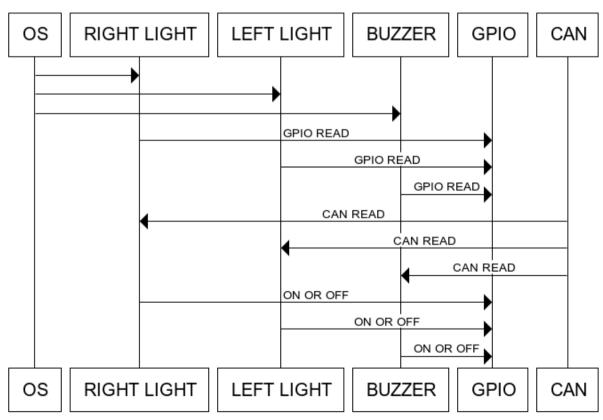
#### **MAIN LOOP**



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## ECU2:

#### **MAIN LOOP**



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#### CPU:

LIGHT: 20MS

SPEED: 5MS

**DOOR** :10MS

TOTAL: 35MS

CPU = 100 - IDLE = 100 - 65 = 35%