egyptfwd initiative

Project Block Diagram

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Documentation target	Delivering the system schematic (Block Diagram) according to the SW and HW requirements

Project Block Diagram:

Door Sensor → ECU1
Light Switch → ECU1
Speed Sensor → ECU1

ECU1 —CAN→ ECU2

Car is stopped and the light switch is pressed
- Yes → Buzzer ON, Lights ON
- No → Do Nothing

Door is opened while the car is stopped
- Yes → Buzzer OFF, Lights ON
- No → Do Nothing

Door is opened while the car is moving
- Yes → Buzzer ON, Lights OFF
- No → Do Nothing

Car is moving and the light switch is pressed
- Yes → Buzzer OFF, Lights ON
- No → Do Nothing

Door is closed while the lights were ON
- Yes → Lights are OFF after 3 seconds
- No → Do Nothing