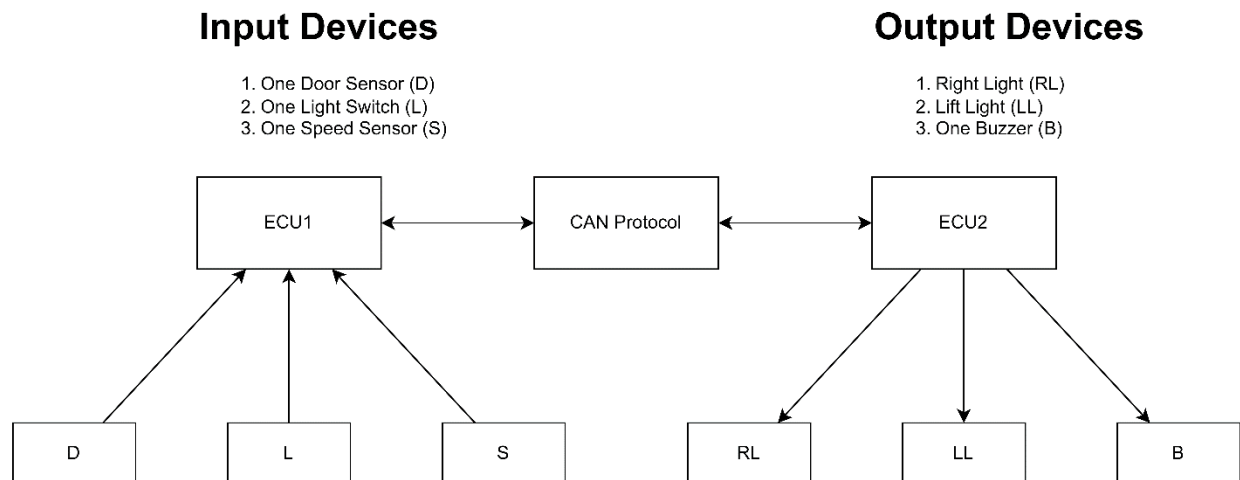


Automotive Door Control

Static Design

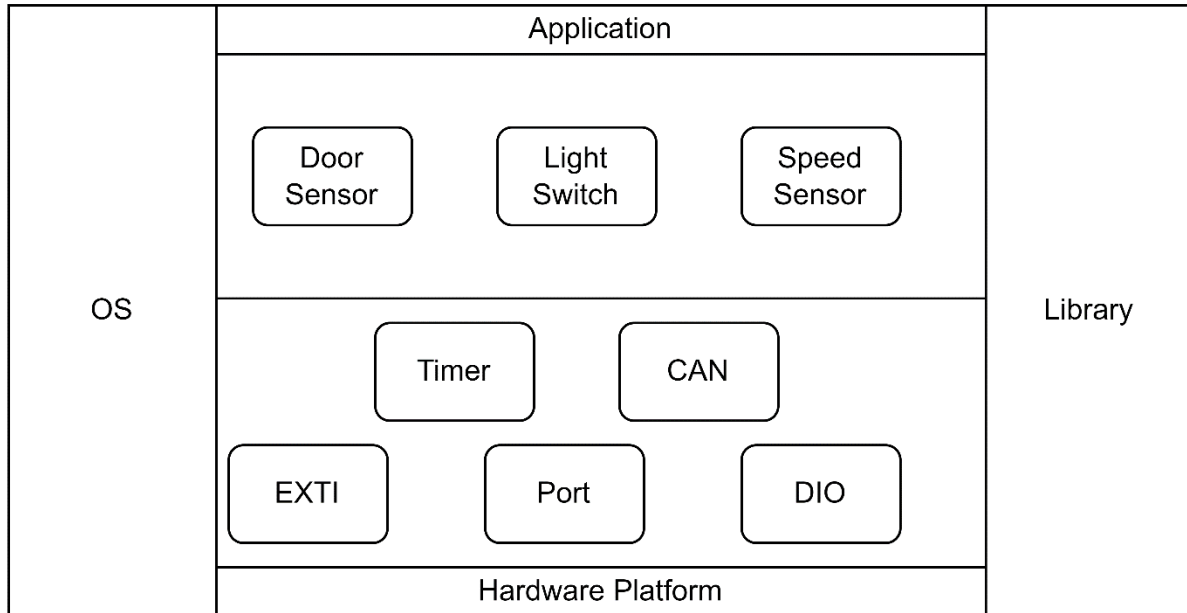
System Components

Automotive Door Control



ECU-1 Layered Architecture

ECU-1 Layered Architecture



ECU-1 Components and Modules

MCAL

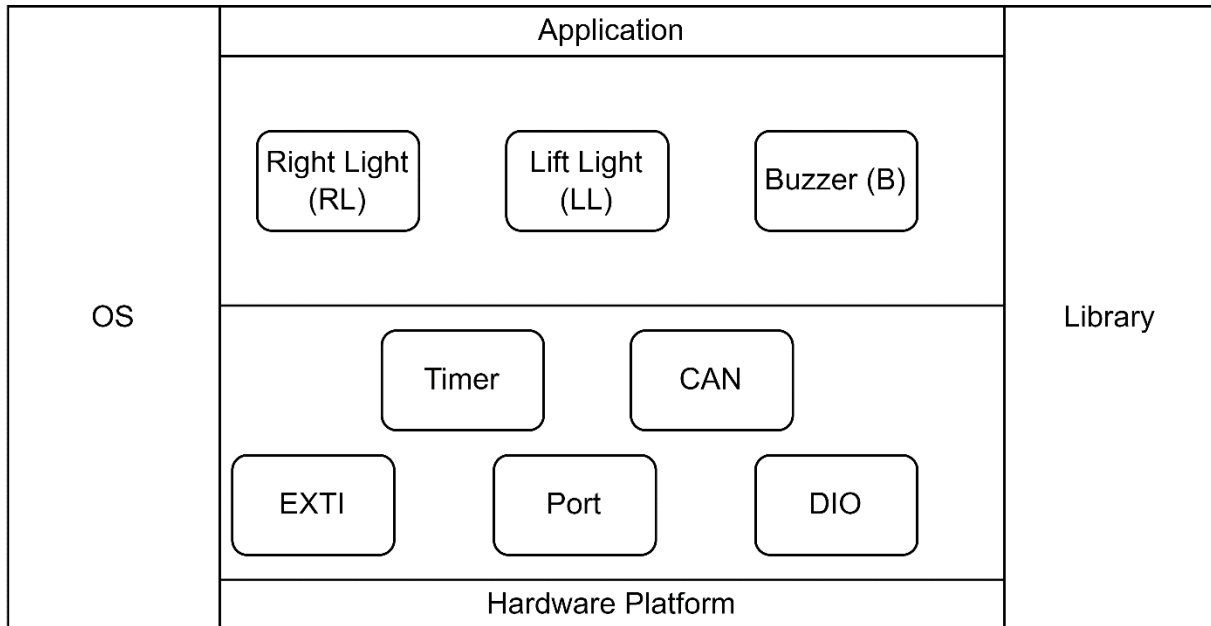
- Port Driver
- DIO Driver
- EXTI Driver
- Timer Driver
- CAN Driver

HAL

- Door Sensor Driver
- Light Switch Driver
- Speed Sensor Driver

ECU-2 Layered Architecture

ECU-2 Layered Architecture



ECU-2 Components and Modules

MCAL Layer

- Port Driver
- DIO Driver
- EXTI Driver
- CAN Driver
- Timer Driver

HAL Layer

- Buzzer Driver
- Lift Light Driver
- Right Light Driver