1. **ECU1**
    1. Function as a whole
       SWC: Read sensors
       SWC: send sensor readings via CAN.

OS					
OS	SWC Send Status Msg (uses CAN) <shared_data>	SWC Read sensor data <shared_data>			**App**
OS	Comm. Manager				**Service**
OS	Comm. Handler				**HAL**
OS		Timer	CAN	DIO	**MCAL**

2. **ECU2**
    1. How do I handle data reception from CAN?
       Shared buffer? Wait on shared buffer? Single bytes (only 3 bits are required).
       No need for a buffer?
       Data size is small and is sent periodically. It is ok if the data from a CAN msg is dropped.
    2. How to handle CAN message reception?
       ISR / Callback? Probably. Overwrite the same variable.
    3. Function as a whole
       CAN ISR → calls callback function → stores data in shared variable.
       SWC: read shared variable (state combinations) and turn lights and buzzer on/off according to state machine.

OS					
OS	SWC				**App**
OS	Comm. Manager				**Service**
OS	Comm. Handler				**HAL**
OS		Timer	CAN	DIO	**MCAL**

3. c

4. c