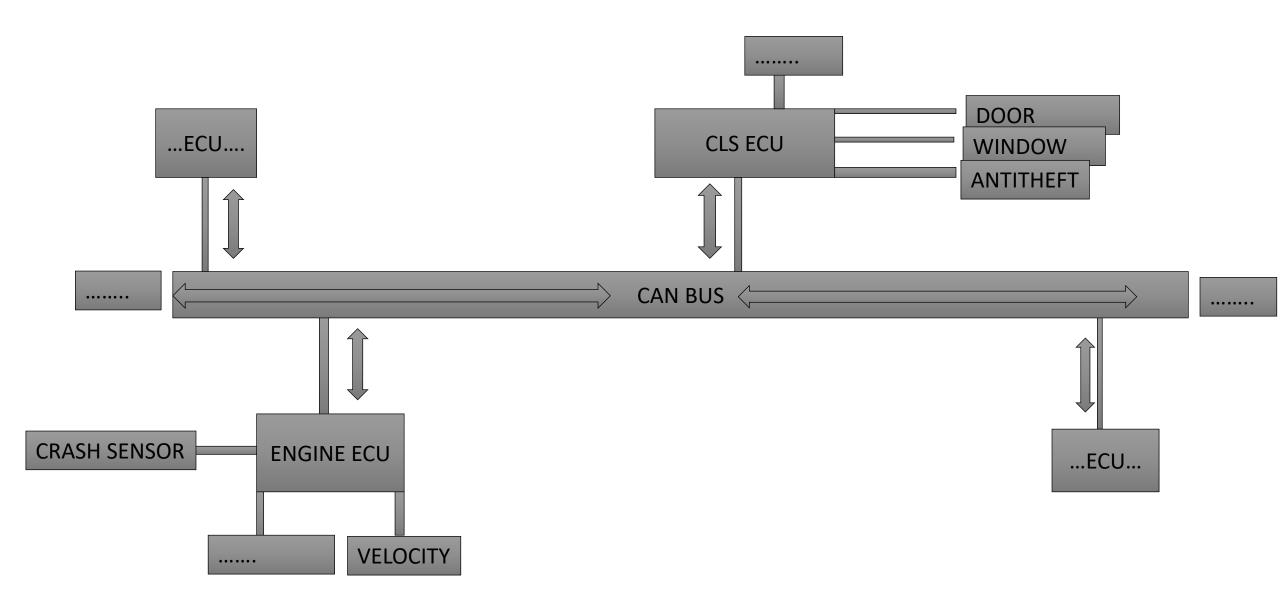
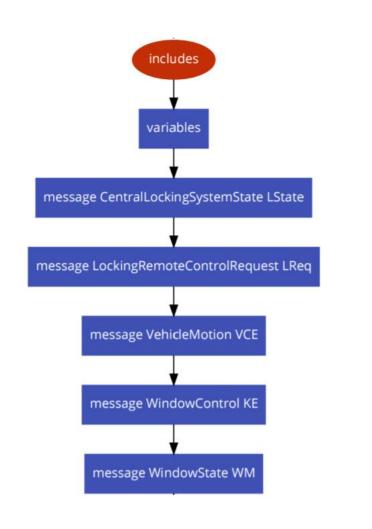
- Central locking system (CLS): Lock, unlock, comfort lock which locks the car and closes the windows.
- If a crash occurs then the CLS unlocks the car. The window lift supports opening and closing functions
- Functionalities adhere to the .dbc file, consisting of messages and signals that are mapped.
- Use cases have been implemented.
- Programs with .can files supports <u>cannoe configuration</u>.
- Block diagram attached for precise understanding.

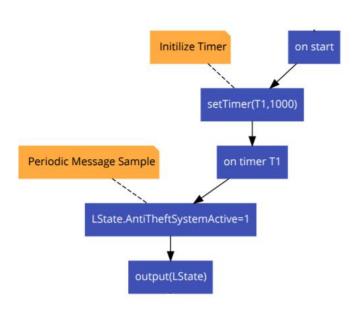
- 1: The CAN network driver provides a generic interface to setup, configure and monitor CAN devices.
- 2: The virtual CAN driver (vcan) --> The virtual CAN interfaces allow the transmission and reception of CAN frames without real CAN controller hardware.
- 3: Virtual CAN network devices are usually named vcan0 vcan1 vcan2.
- 4: To create a virtual can interface using socketcan run the following:
- >>> sudo modprobe vcan
- >>> sudo ip link add dev vcan0 type vcan# Create a vcan network interface with a specific name
- >>> sudo ip link set vcan0 up
- >>> candump vcan0# Allows you to print all data that is being received by a CAN interface

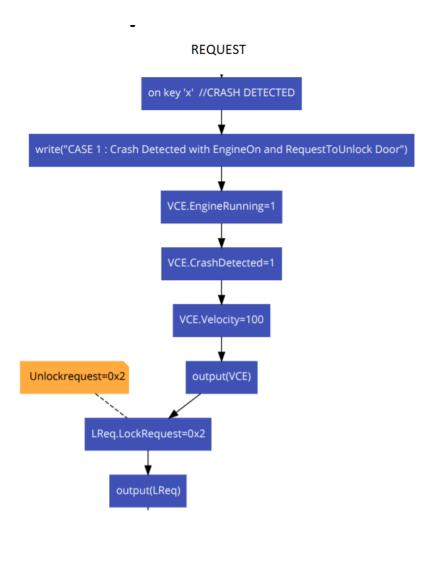
Reference Block Diagram



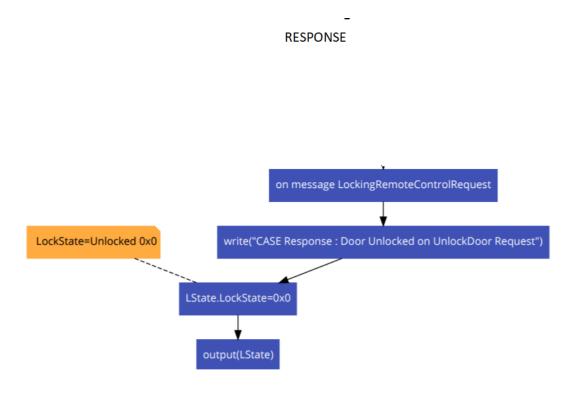
Variables and Cyclic Message

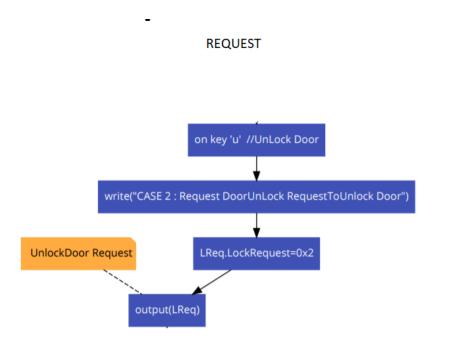


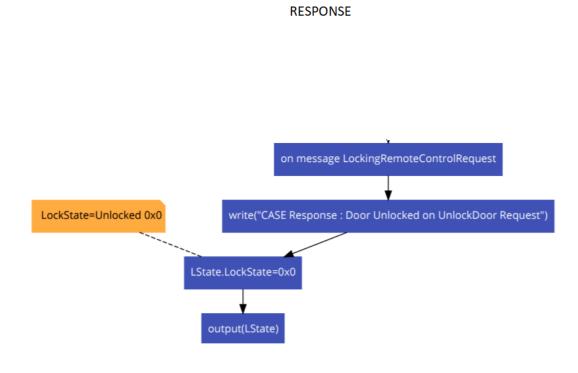




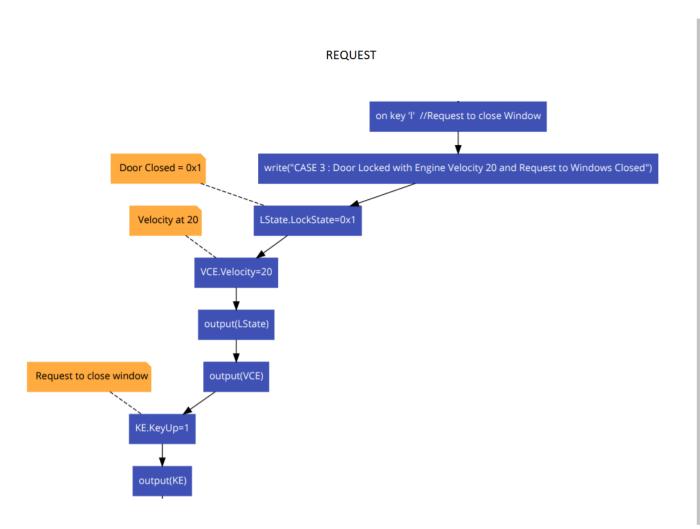
Use Case 1: Referral Flowchart

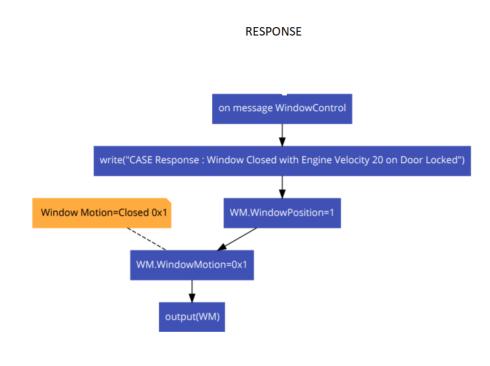




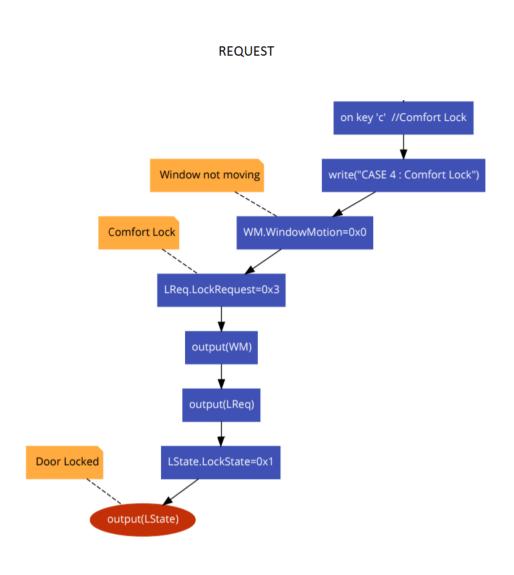


Use Case 2: Referral Flowchart

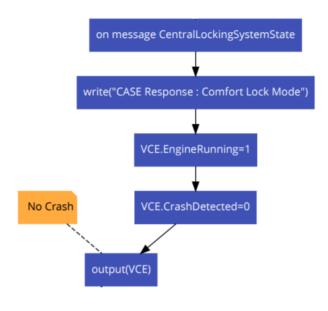




Use Case 3: Referral Flowchart



RESPONSE



Use Case 4 : Referral FlowChart