

UP Elaboration

#2 OOD

10팀

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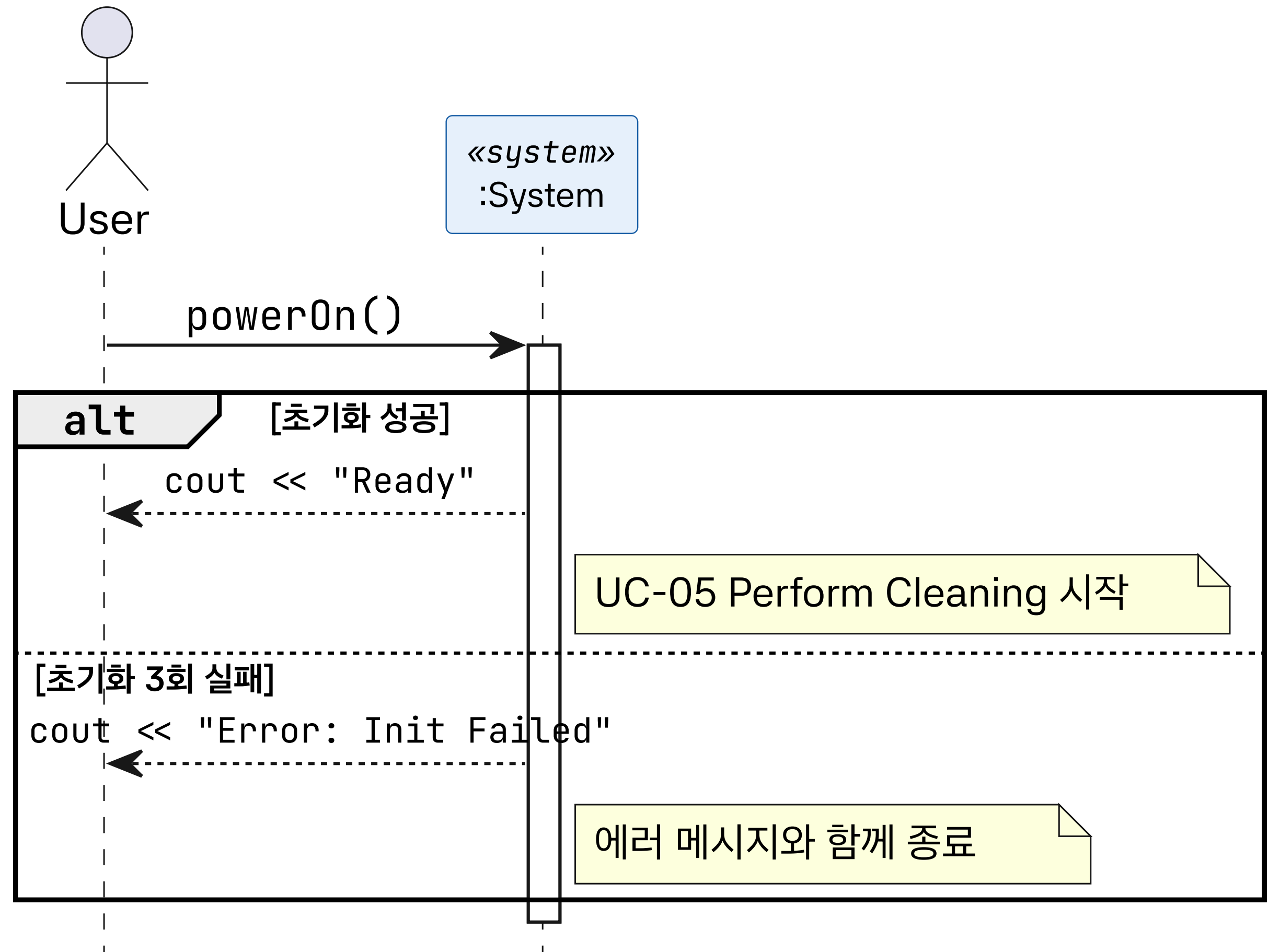
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Refinements

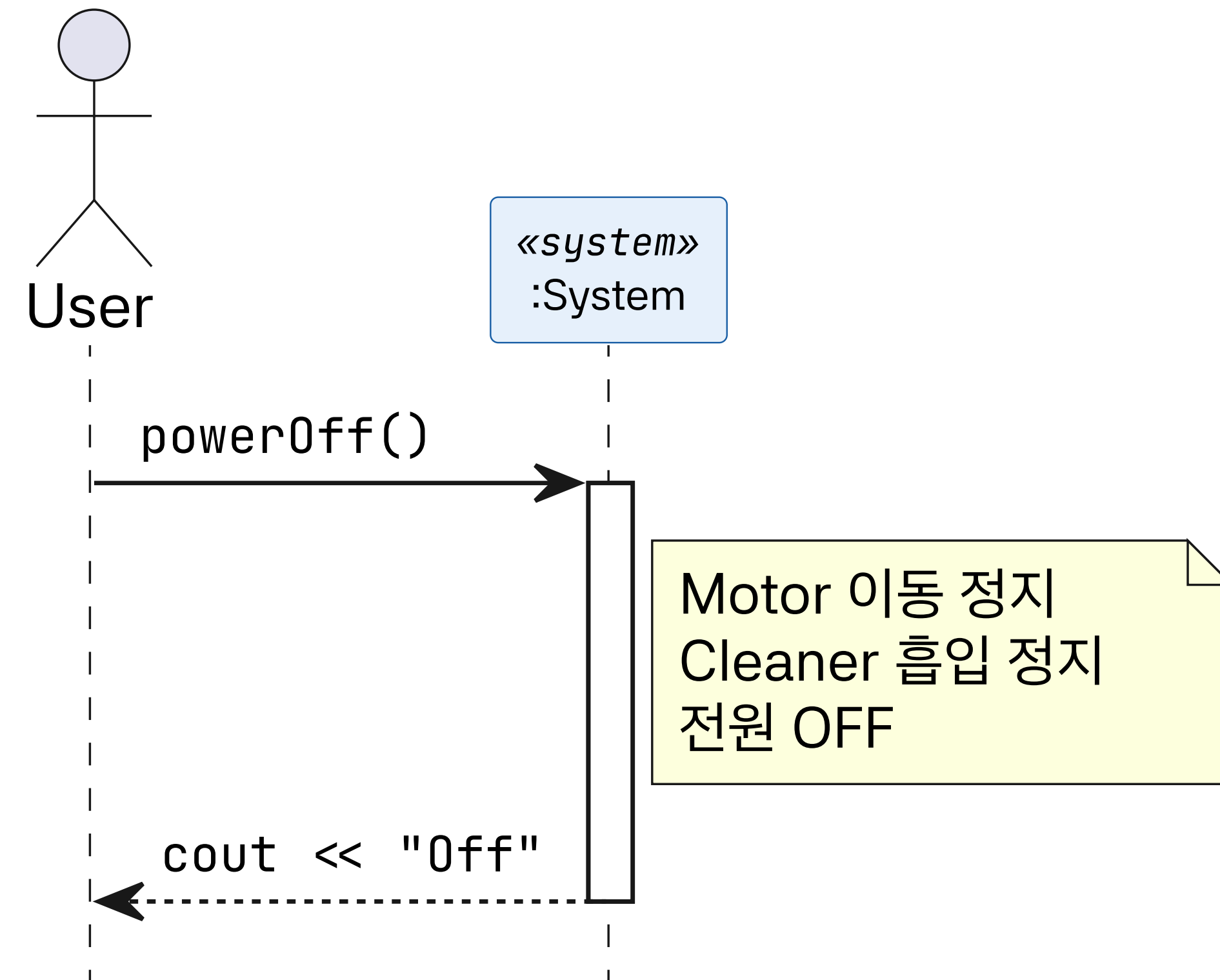
SSD-01

Power On



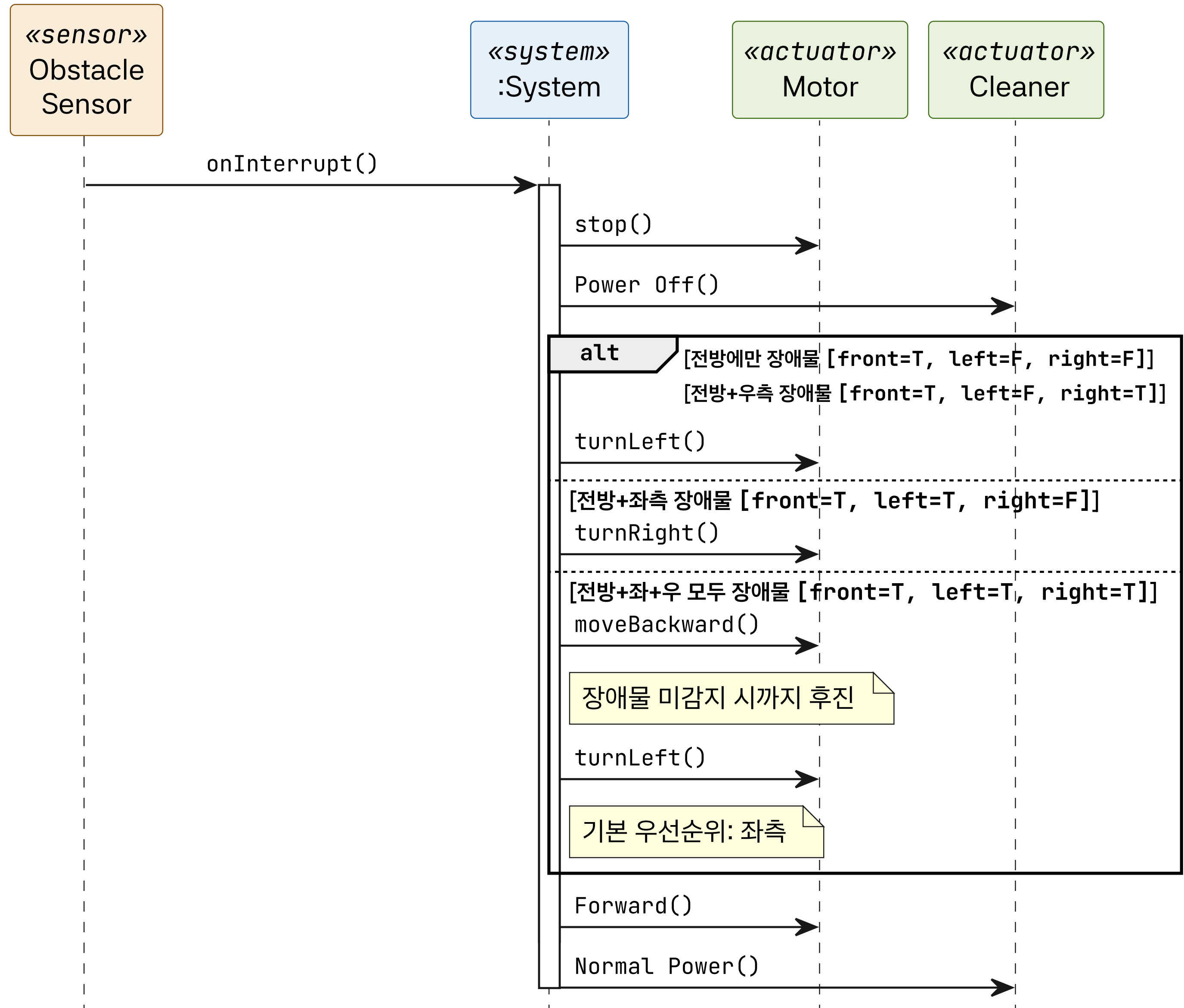
SSD-02

Power Off

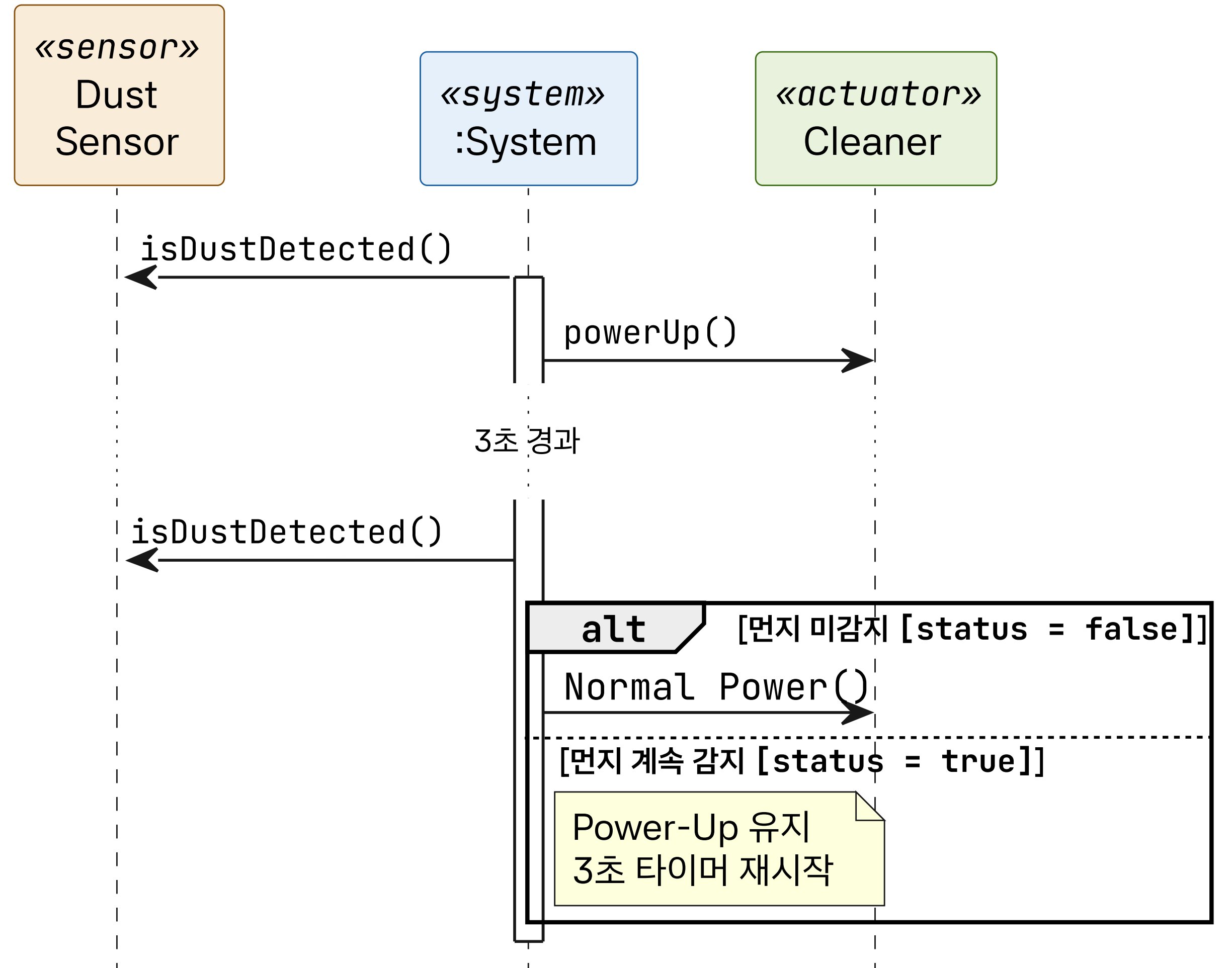


SSD-03

Avoid Obstacles

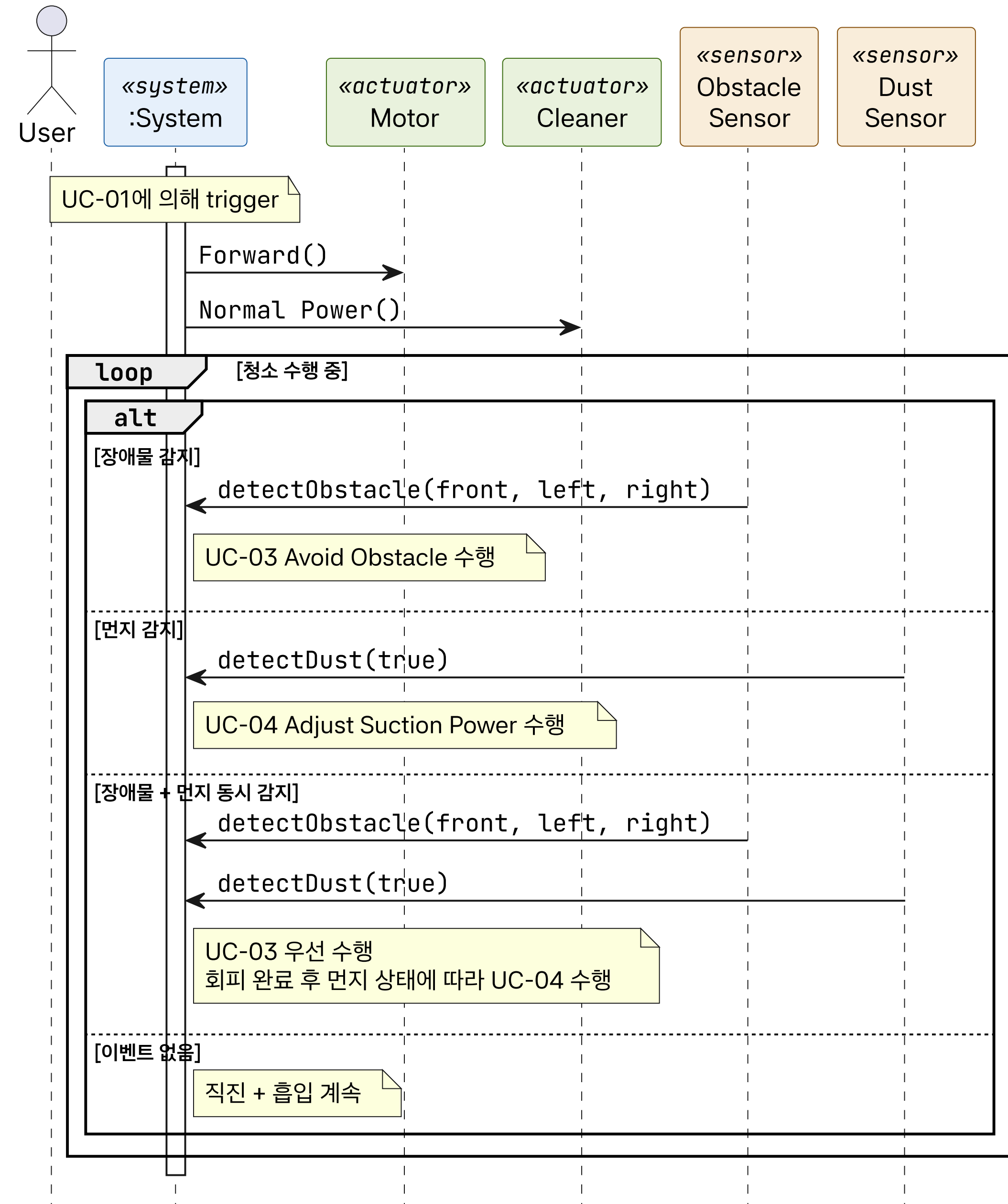


Adjust Suction Power



SSD-05

Perform Cleaning



System Operations

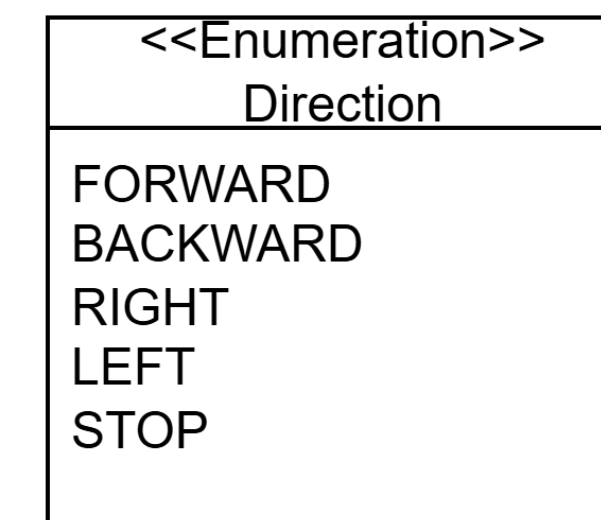
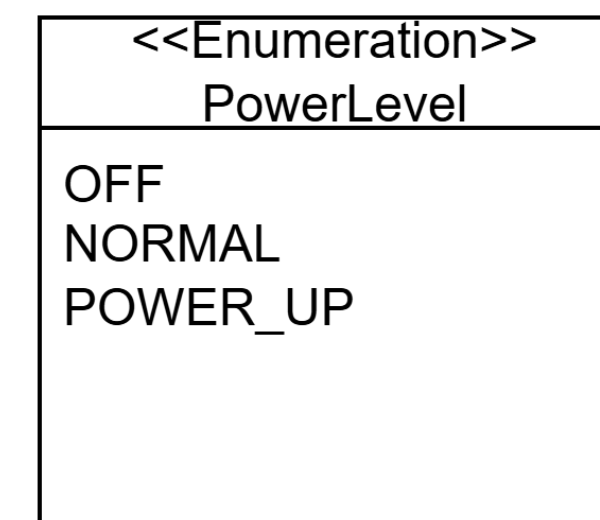
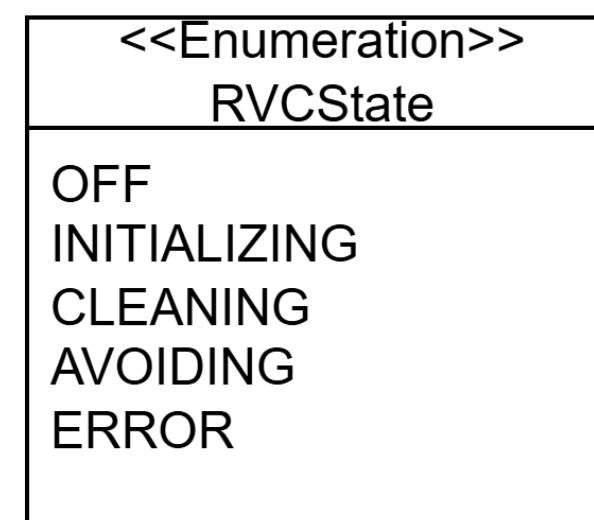
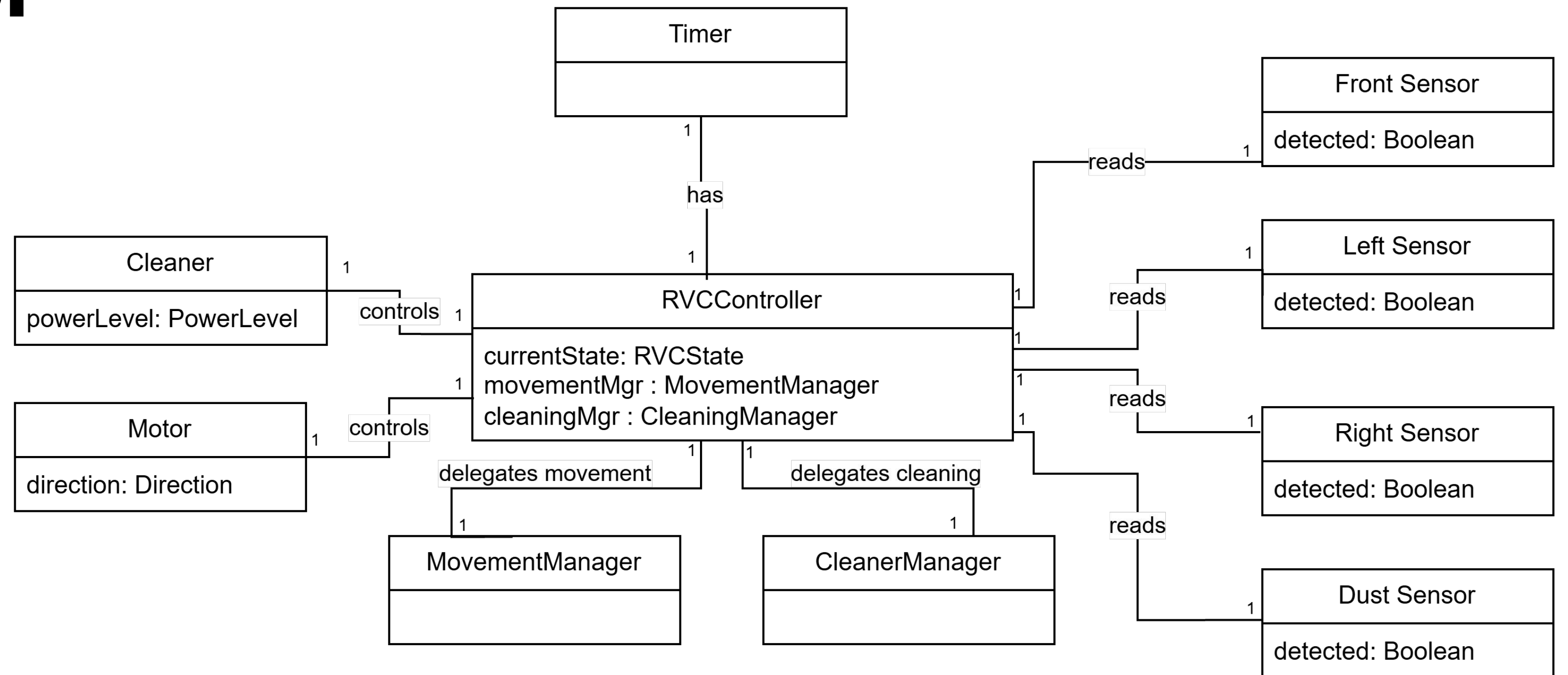
System Operations

System Operations

- + powerOn()
- + powerOff()
- + onInterrupt()

Domain Model

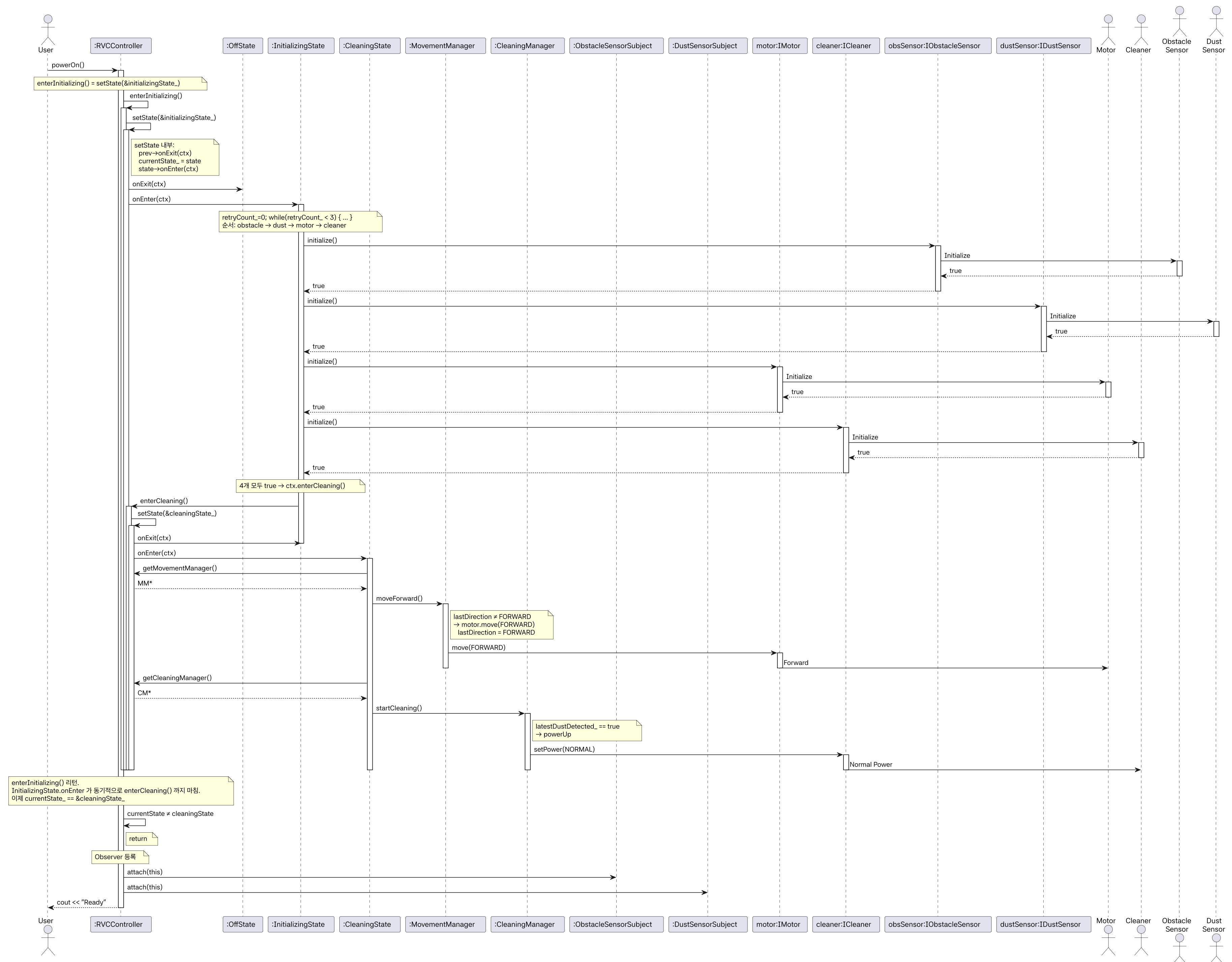
Domain Model Diagram



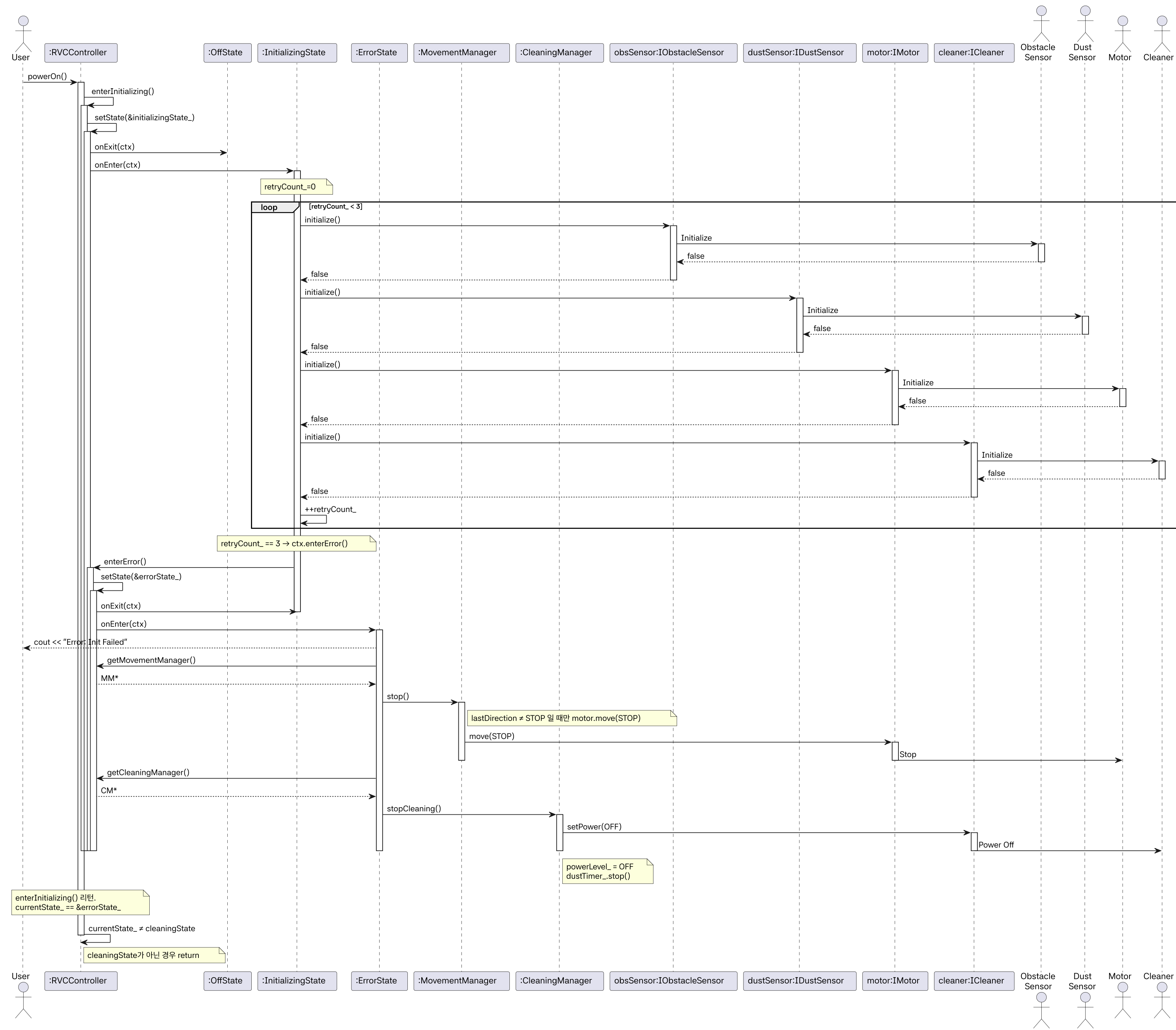
Class Diagram

Sequence Diagram

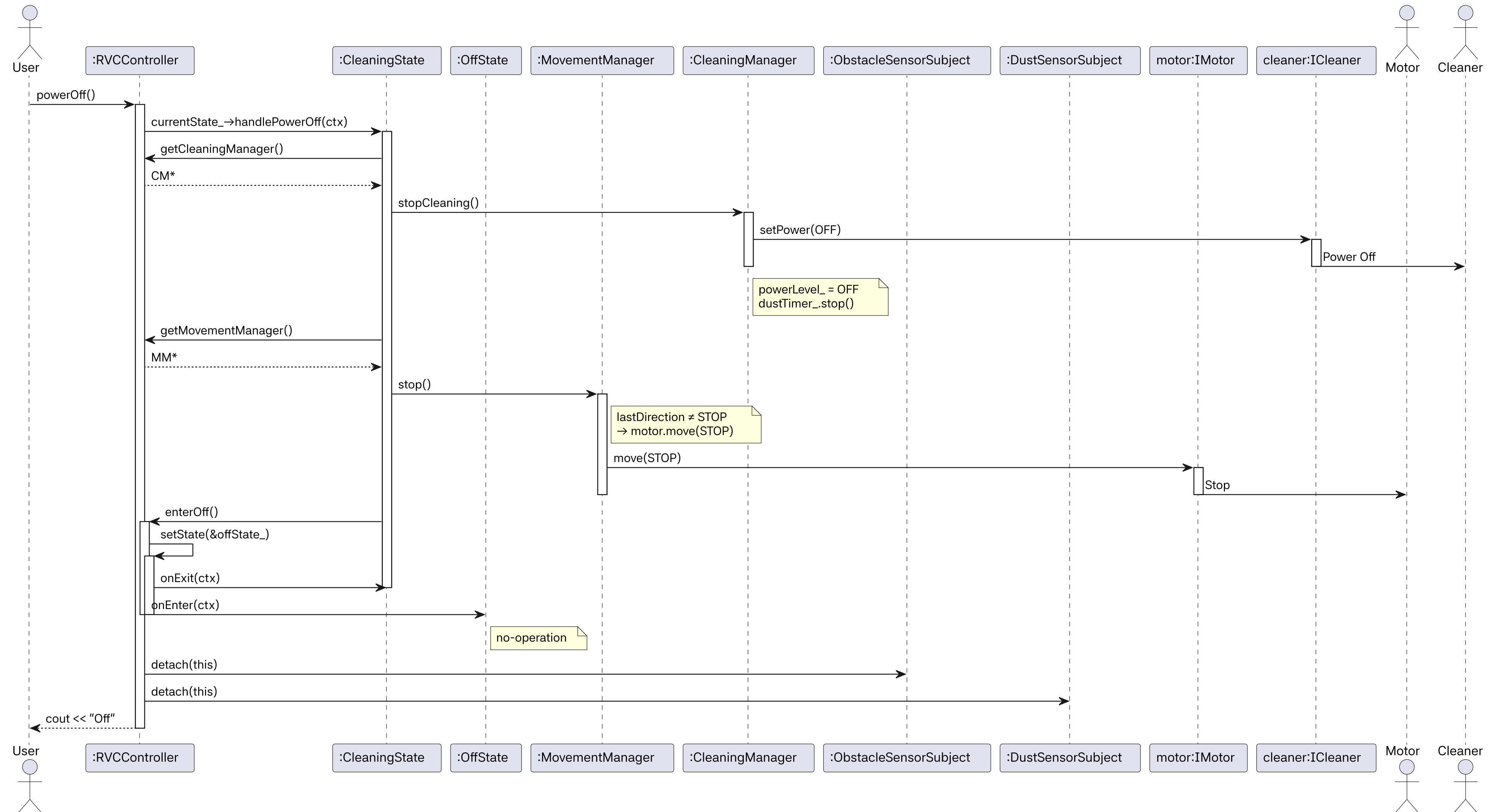
SD-01 - Success



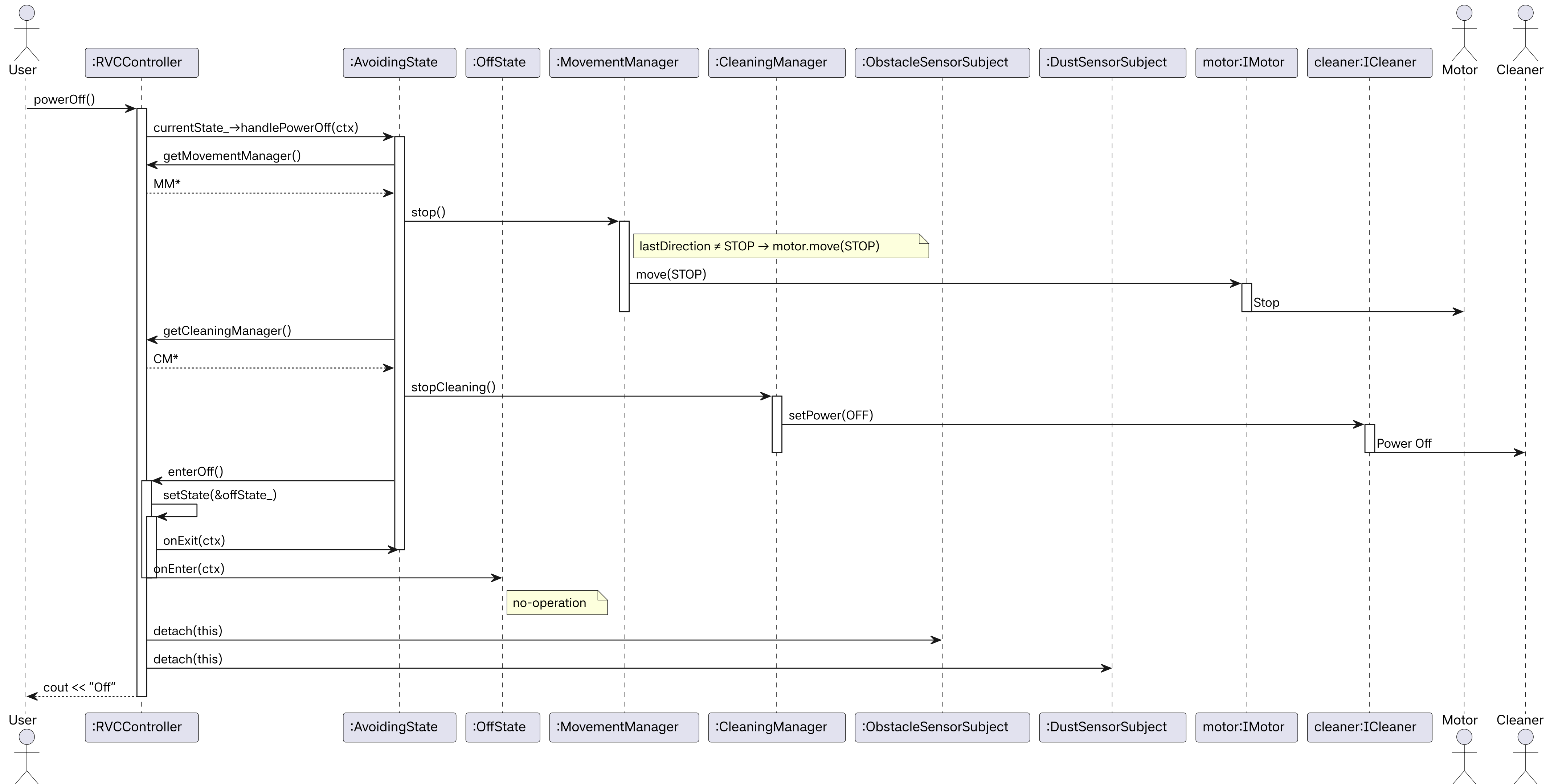
SD-01 - Fail



SD-02 – CleaningState



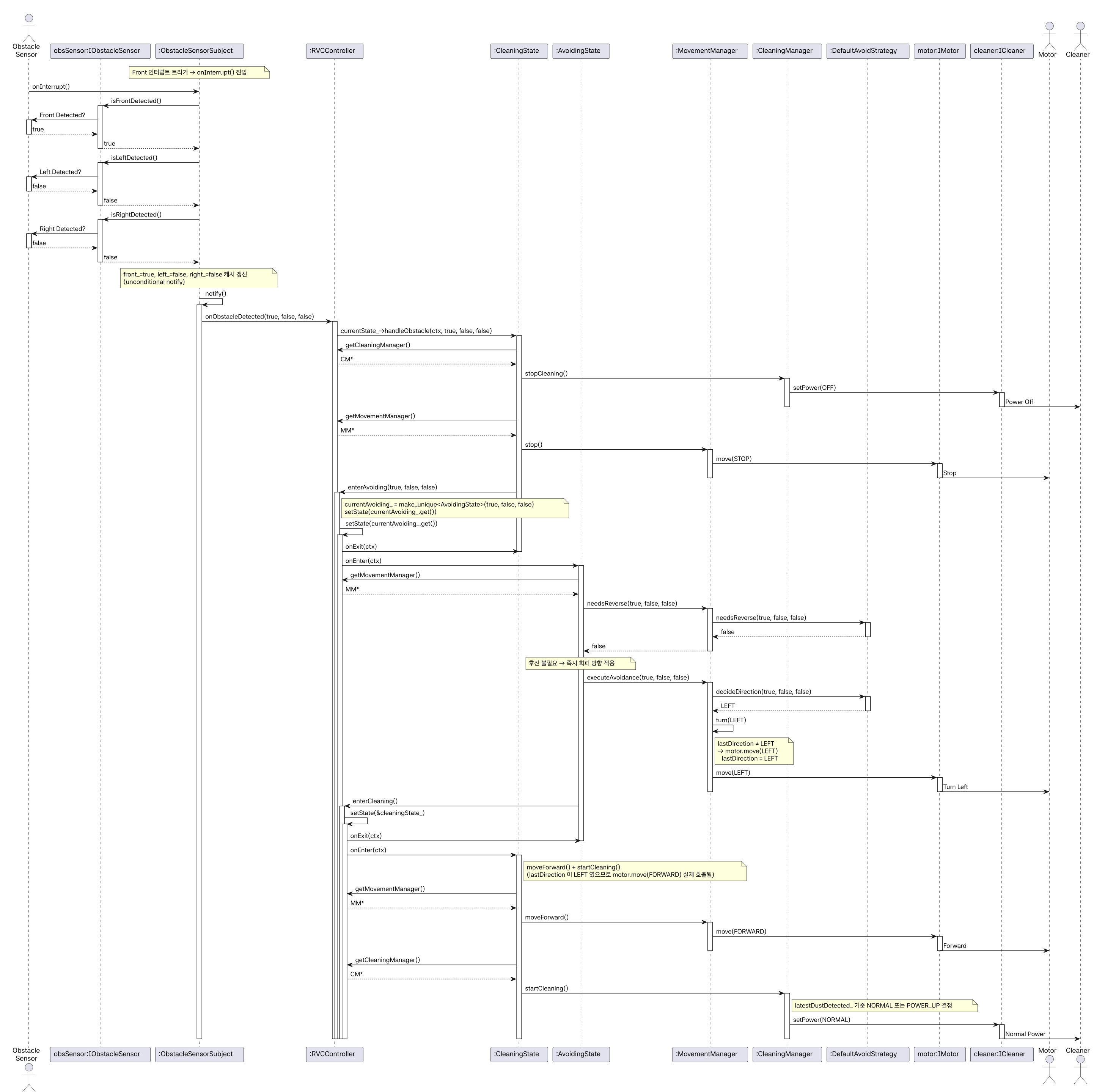
SD-02 – AvoidingState



SD-03

Front Blocked

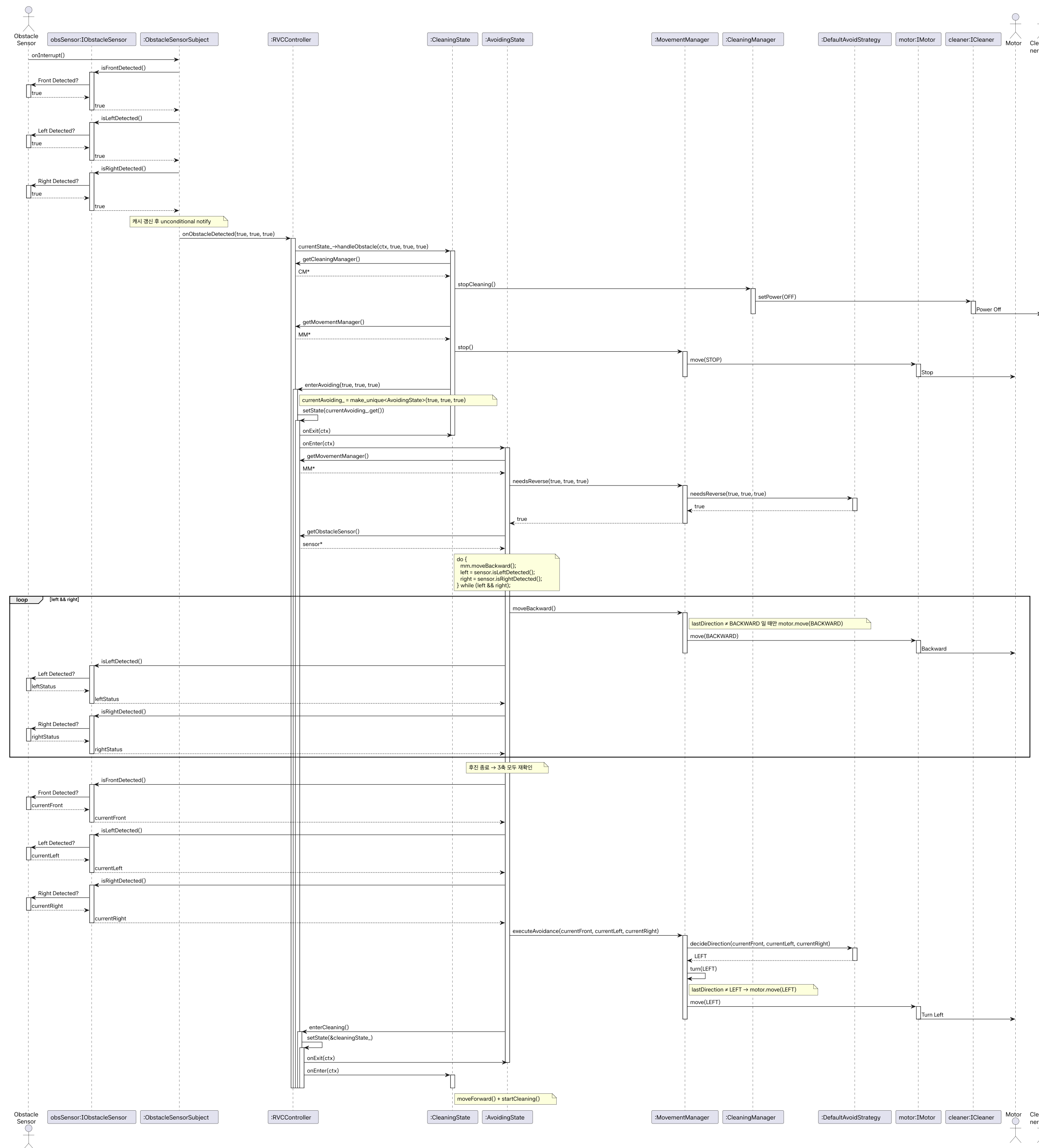
(Front = true, left = false, right = false)



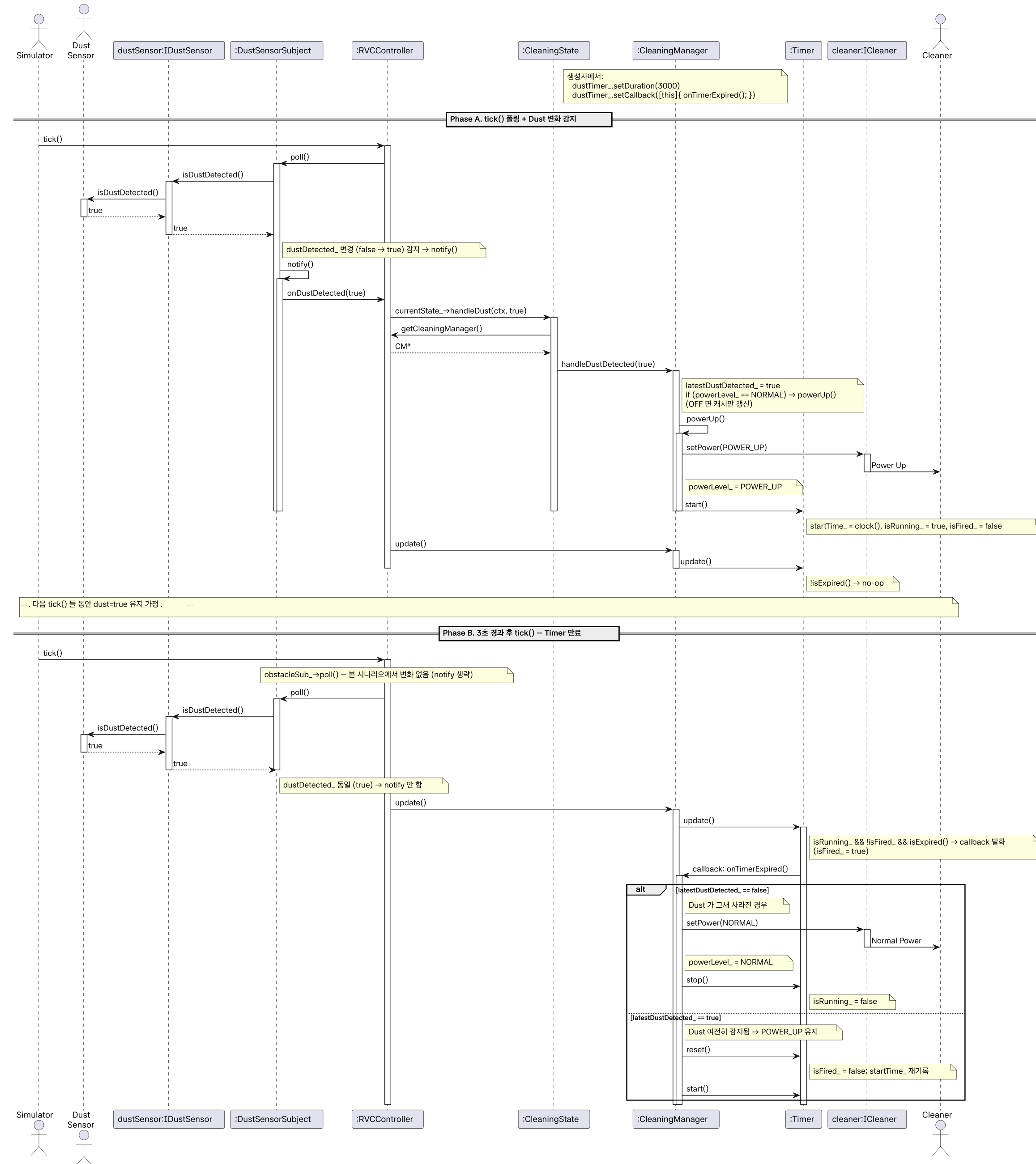
SD-03

All Blocked

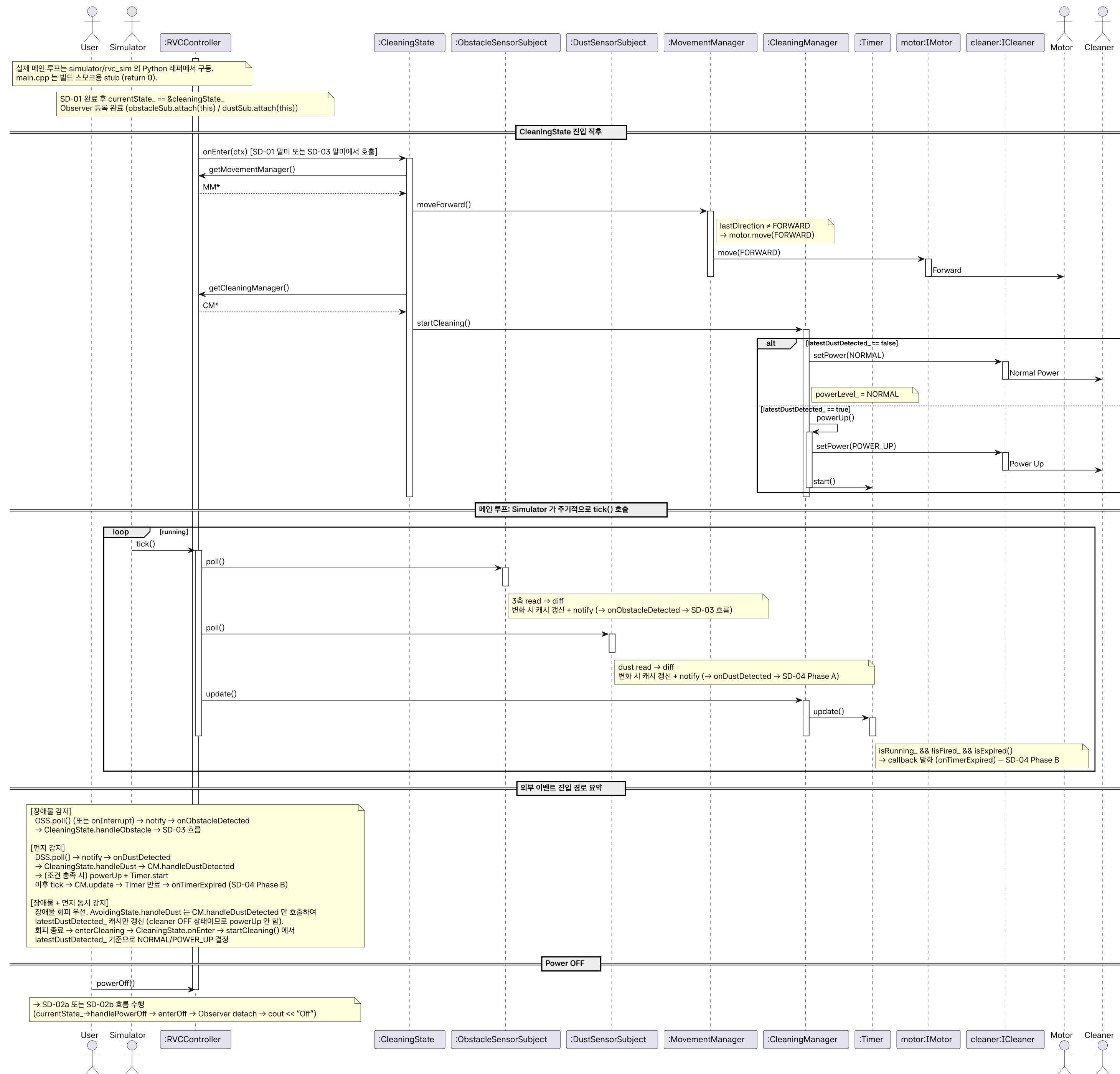
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SD-04



SD-05



Q&A