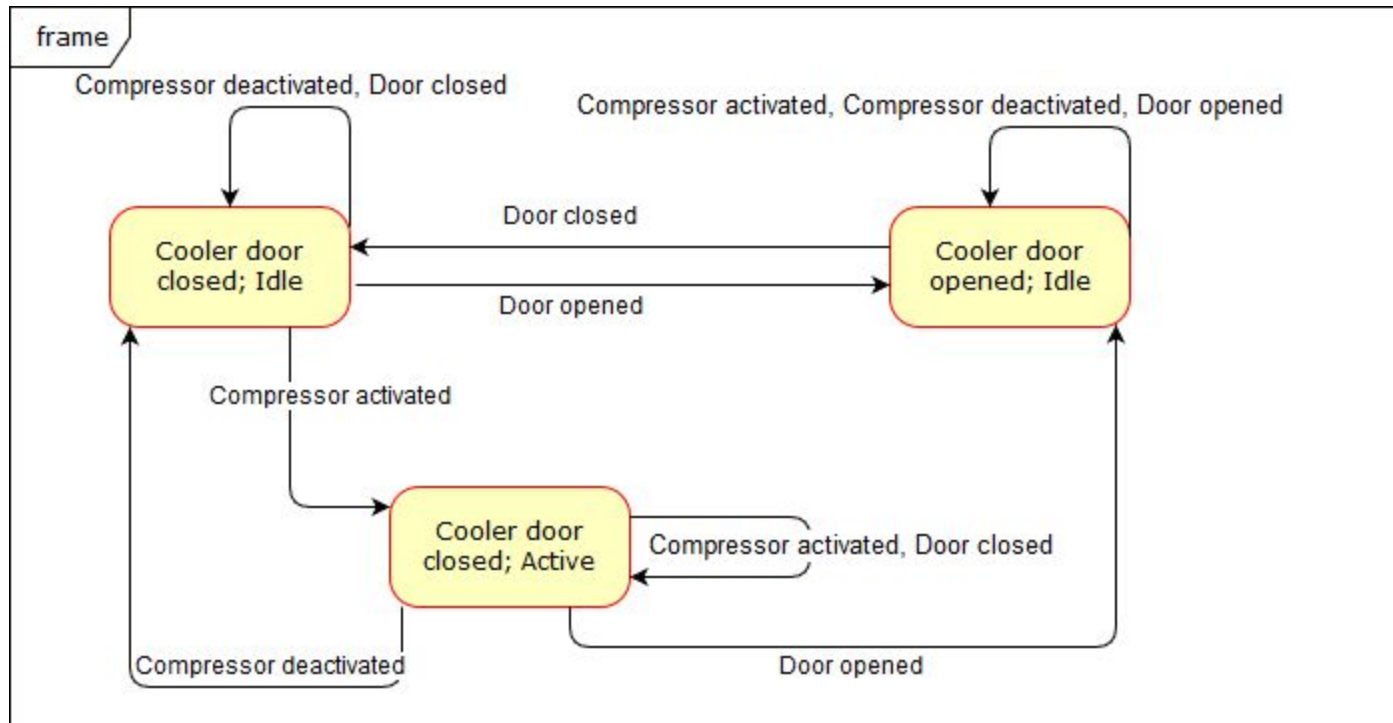


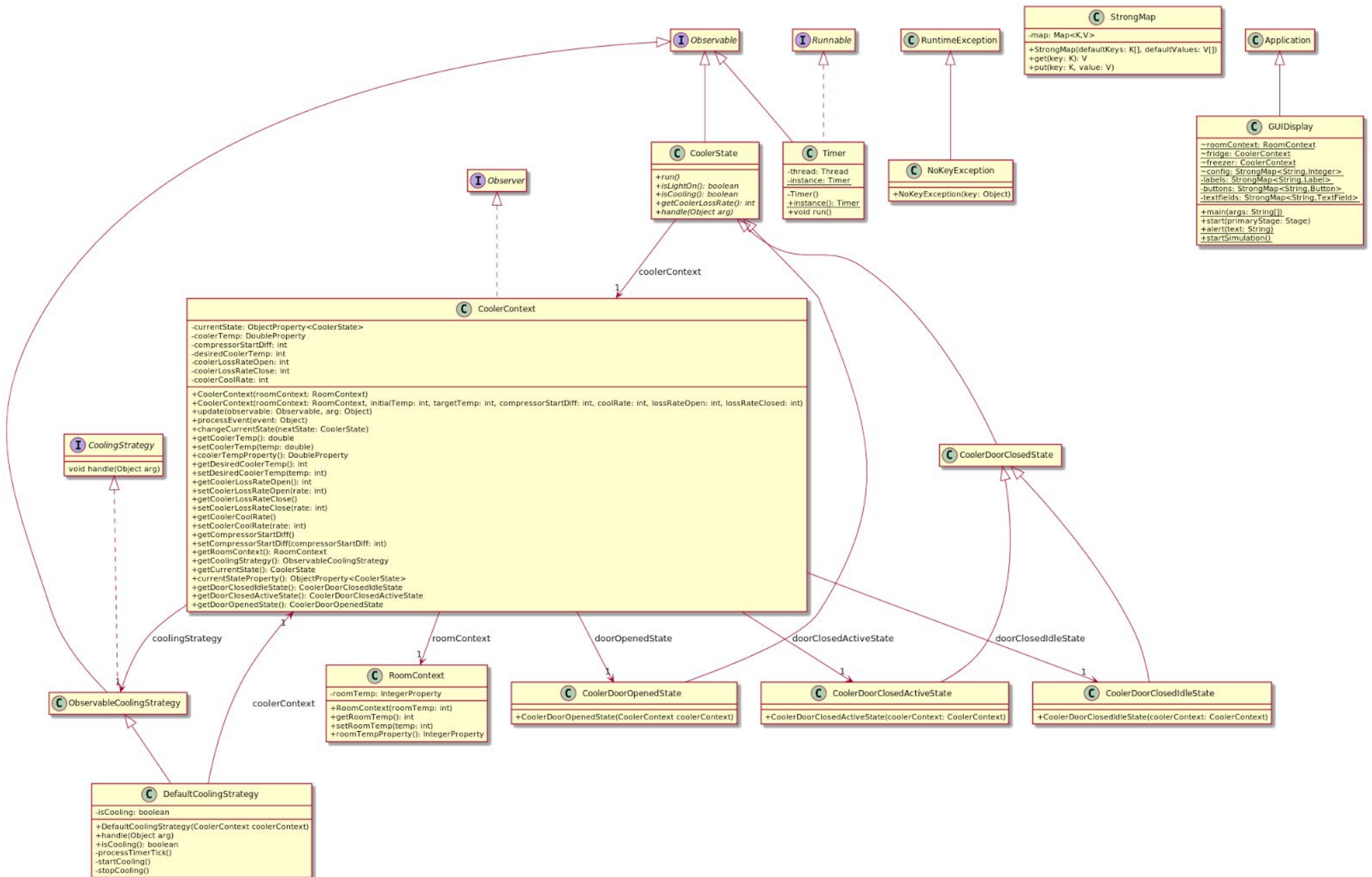
## State Transition Diagram



## State Table

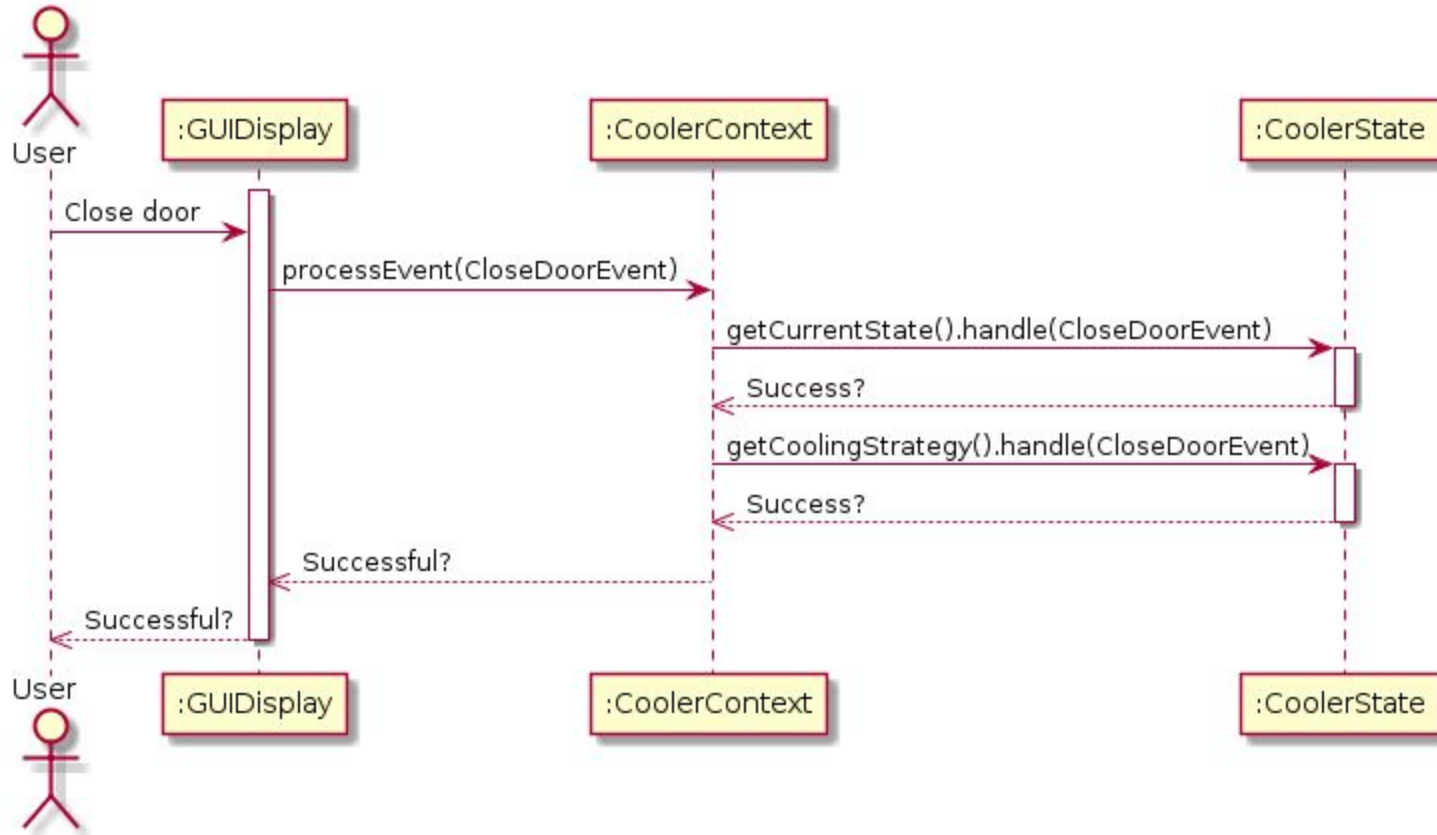
	Door opened	Door closed	Compressor deactivated	Compressor activated
Cooler door closed; Idle	Cooler door open; Idle	Cooler door closed; Idle	Cooler door closed; Idle	Cooler door closed; Active
Cooler door closed; Active	Cooler door open; Idle	Cooler door closed; Active	Cooler door closed; Idle	Cooler door closed; Active
Cooler door open; Idle	Cooler door open; Idle	Cooler door closed; Idle	Cooler door open; Idle	Cooler door open; Idle

# Class Diagram

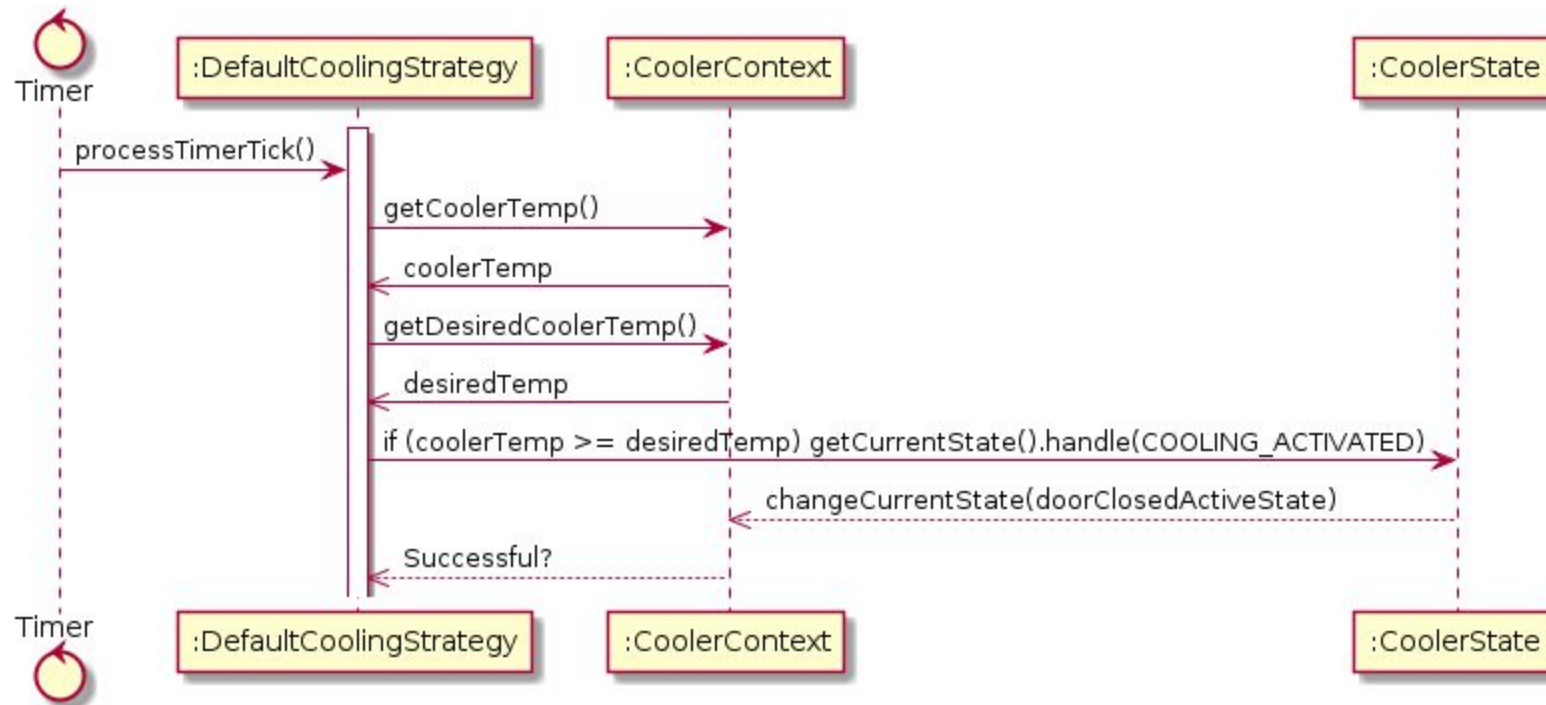


## Sequence Diagrams

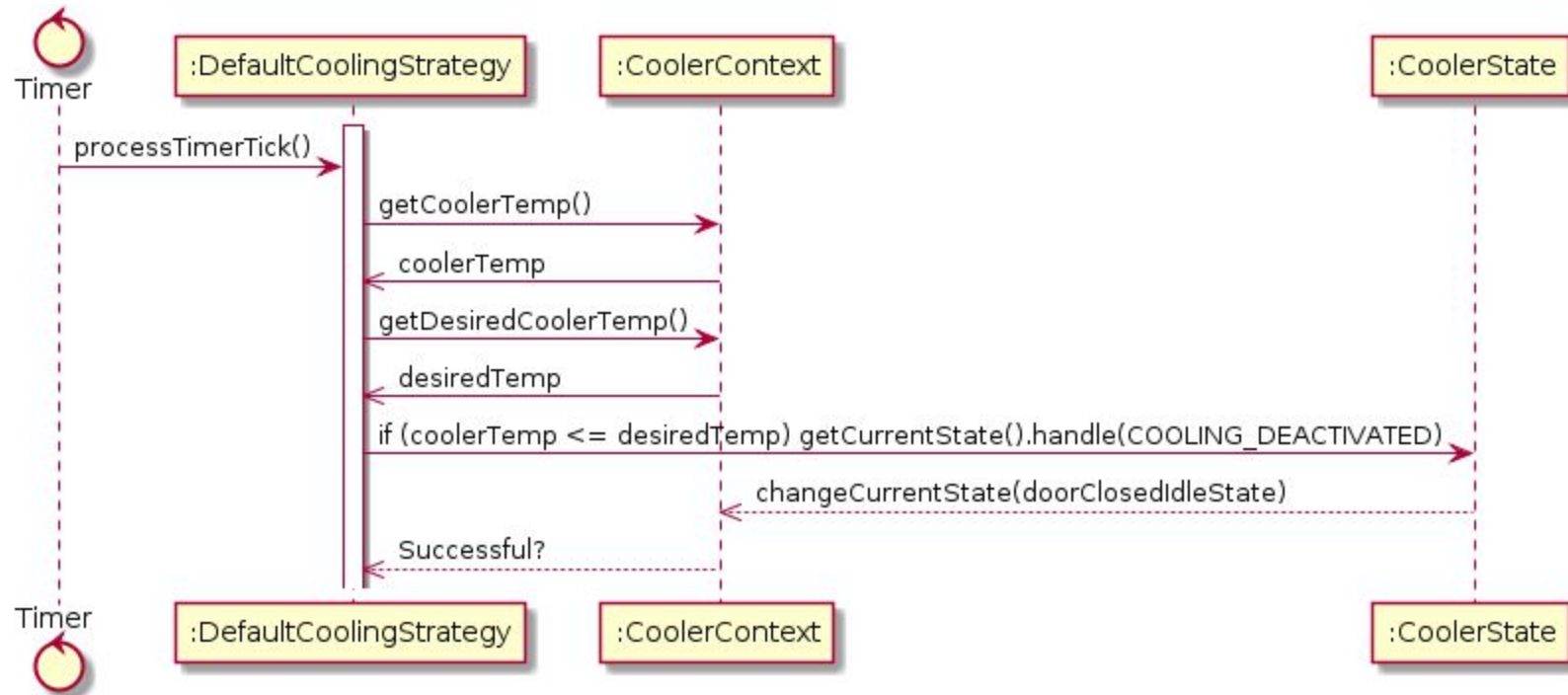
### Close Door



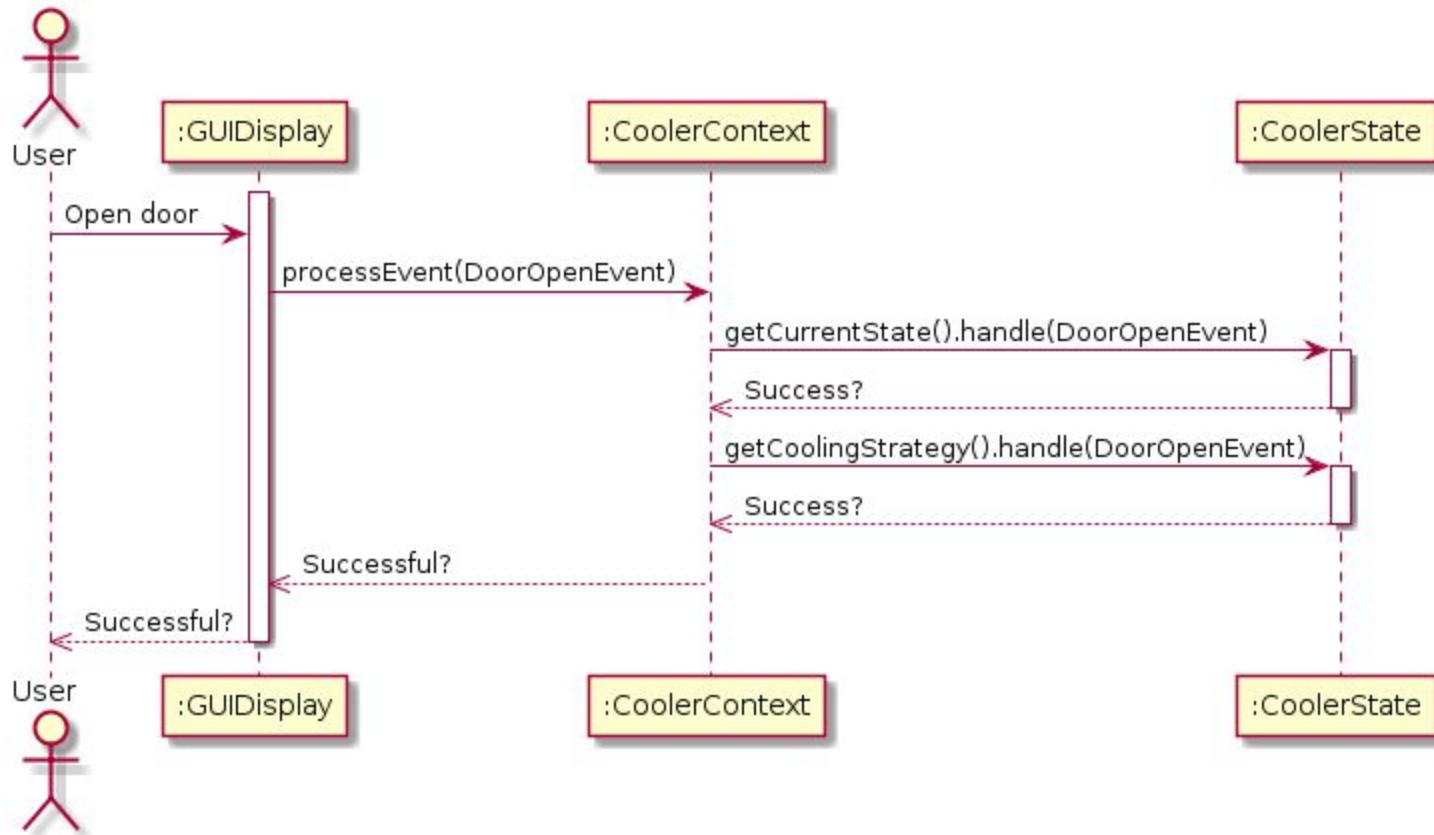
## Compressor Activated



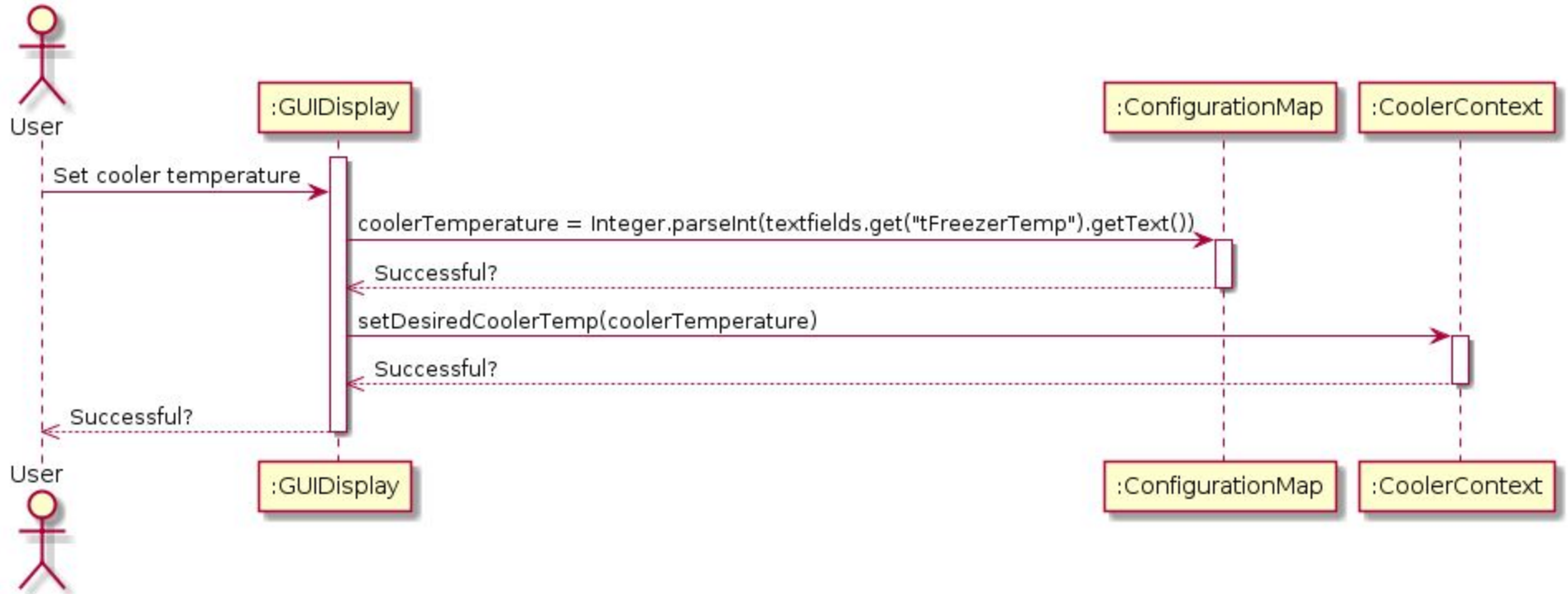
## Compressor Deactivated



## Open Door



## Set Cooler Temperature



## Set Room Temperature

