

DeploySensorOK



User

:TempMonitor

:Deployed\_Sensor

:Location\_Type

:Temperature\_Type

enterInfo(sensor, location, temperature)

[ if sensor  $\notin$  deployed and  
location  $\notin$  range map] addSensor(sensor)

addLocation(location)

addTemperature(temperature)

# ReadTemperatureOK

User

:TempMonitor

:Deployed\_Sensor

:Temperature\_Type

enterLocation(location)

[if location  $\in$  ran map] getSensor(location)

getTemperature(sensor)

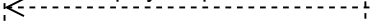
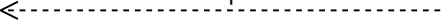
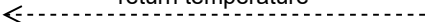
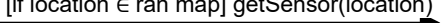
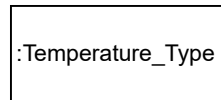
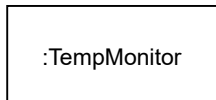
return temperature

return temperature

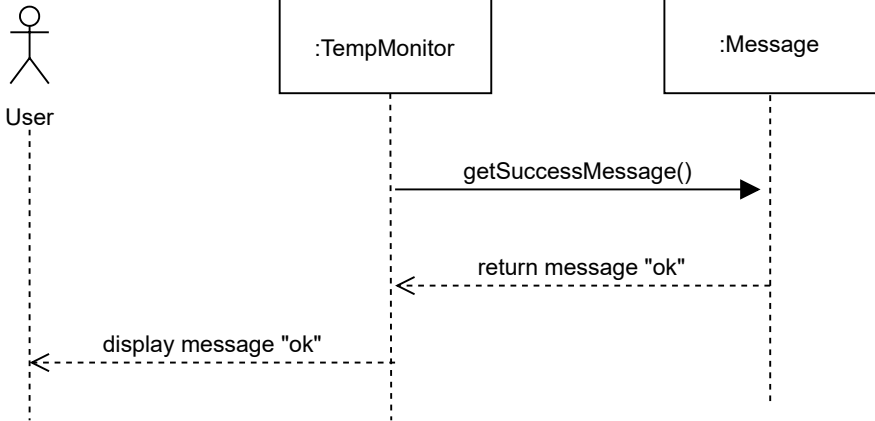
display temperature



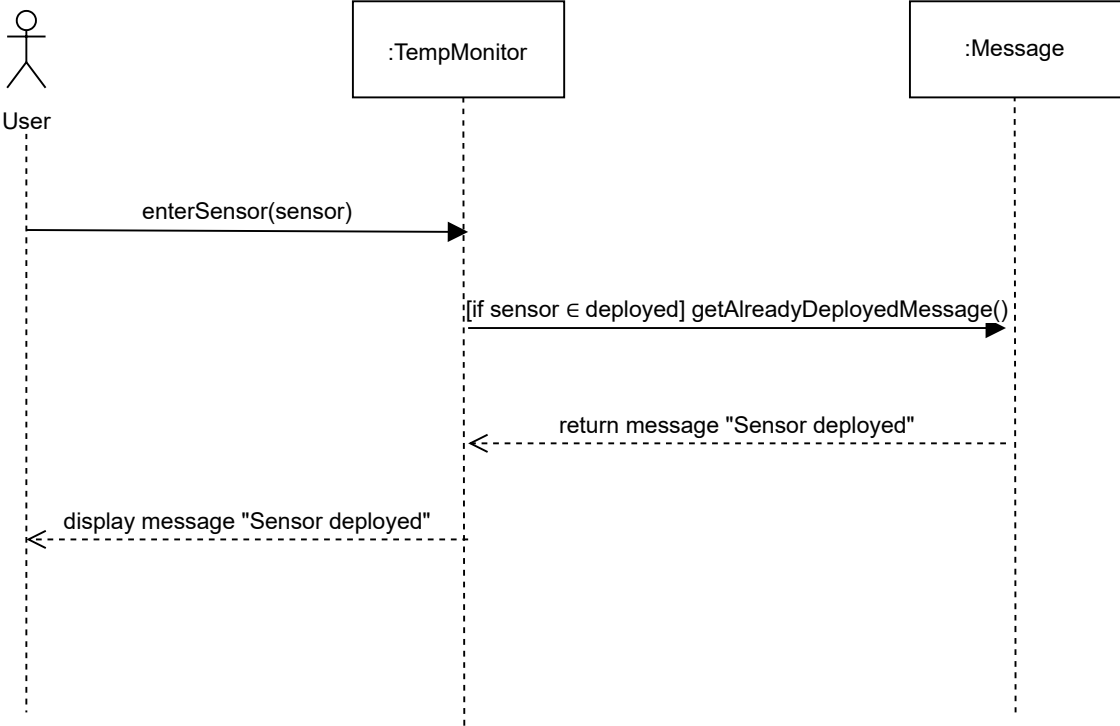
User



Success



# SensorAlreadyDeployed



LocationAlreadyCovered



User

:TempMonitor

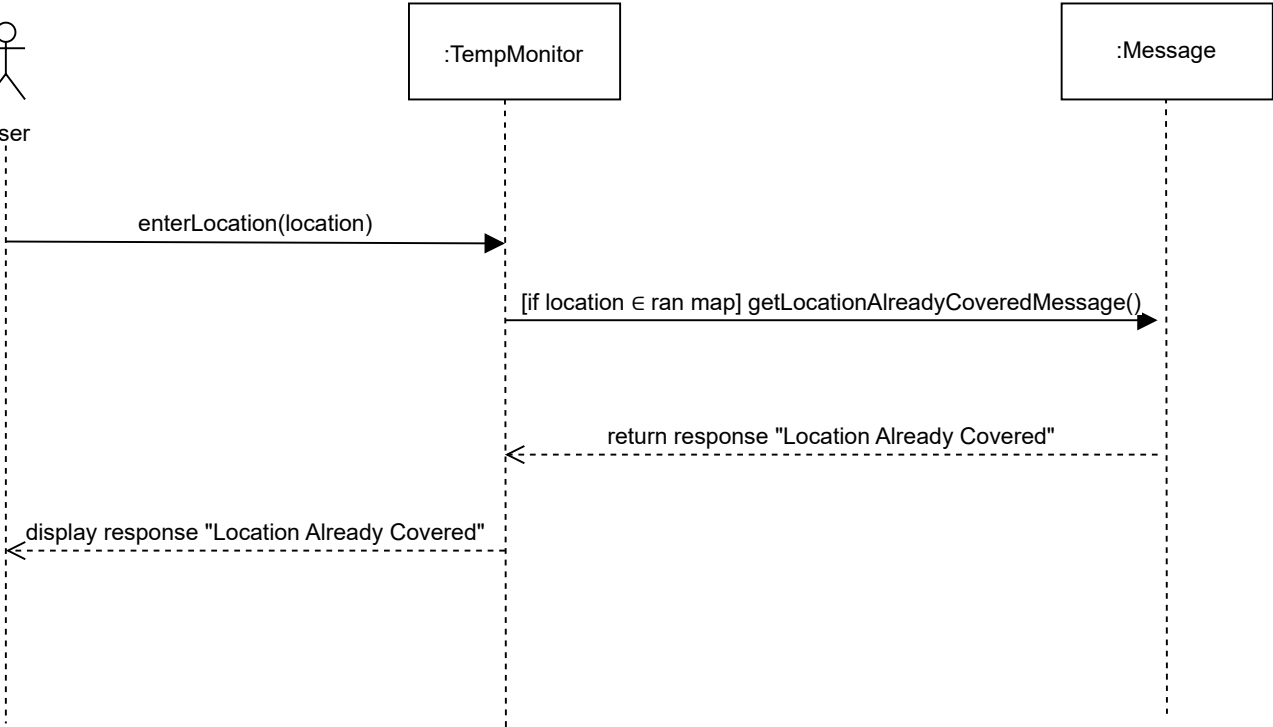
:Message

enterLocation(location)

[if location  $\in$  ran map] getLocationAlreadyCoveredMessage()

return response "Location Already Covered"

display response "Location Already Covered"



# LocationUnknown



User

:TempMonitor

:Message

enterLocation(location)

[if location  $\notin$   
ran map] getLocationUnknownMessage()

return response "Location Not Covered"

display message "Location Not Covered"

