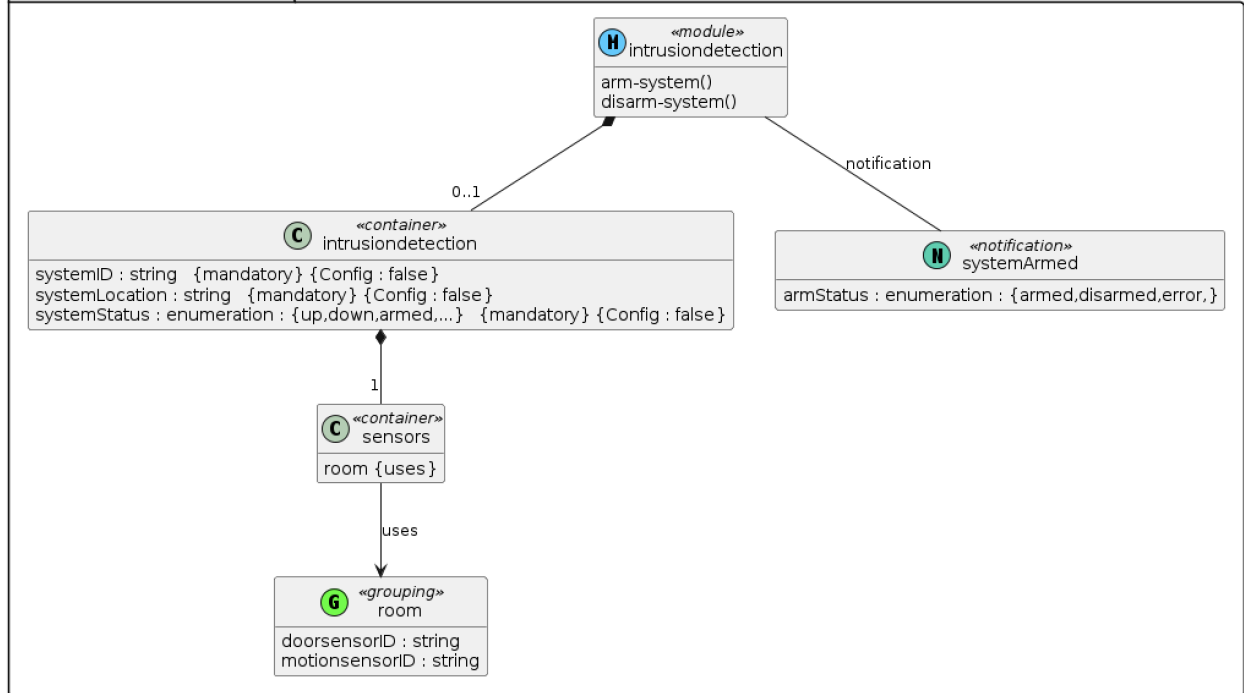```
armed,...}   {mandatory} {Config : false}
class "sensors" as intrusiondetection_I_intrusiondetection_I_sensors <<containe
r>>
intrusiondetection_I_intrusiondetection *-- "1" intrusiondetection_I_intrusionde
tection_I_sensors
intrusiondetection_I_intrusiondetection_I_sensors : room {uses}
intrusiondetection : arm-system()
intrusiondetection : disarm-system()
class "systemArmed" as intrusiondetection_I_systemArmed << (N,#00D1B2) notificat
ion>>
intrusiondetection -- intrusiondetection_I_systemArmed : notification
intrusiondetection_I_systemArmed : armStatus : enumeration : {armed,disarmed,err
or,}
}

intrusiondetection_I_intrusiondetection_I_sensors --> intrusiondetection_I_room_
grouping : uses
center footer
 <size:20> UML Generated : 2024-05-06 17:47 </size>
 endfooter
@enduml
(base) aanantharajah@Andrews-Air demo % python -m plantuml intrusiondetection.um
l
[{'filename': 'intrusiondetection.uml', 'gen_success': True}]
(base) aanantharajah@Andrews-Air demo %
```

**intrusiondetection**

intrusion:intrusiondetection

«module»
**H** intrusiondetection

arm-system()
disarm-system()

0..1

notification

«container»
**C** intrusiondetection

systemID : string  {mandatory} {Config : false}
systemLocation : string  {mandatory} {Config : false}
systemStatus : enumeration : {up,down,armed,...}  {mandatory} {Config : false}

«notification»
**N** systemArmed

armStatus : enumeration : {armed,disarmed,error,}

1

«container»
**C** sensors

room {uses}

uses

«grouping»
**G** room

doorsensorID : string
motionsensorID : string

UML Generated : 2024-05-06 17:47