

Room

- roomID: String
- capacity: int
- buildingName: String
- roomNumber: String
- occupied: boolean
- scannedID: String
- enabled: boolean
- underMaintenance: boolean
- observers: List<SensorObserver>

+ setOccupied(occ: boolean) : void
+ setScannedID(id: String) : void
+ setEnabled(enable: boolean) : void
+ setUnderMaintenance(flag : boolean) : void
+ addObserver(o: SensorObserver) : void
+ removeObserver(o: SensorObserver) : void
+ notifyObservers(): void
+ isOccupied(): boolean
+ getScannedID(): String
+ isEnabled(): boolean
+ isUnderMaintenance(): boolean

«interface» SensorSubject

+ addObserver(o : SensorObserver) : void
+ removeObserver(o : SensorObserver) : void
+ notifyObservers() : void

«interface» SensorObserver

+ onSensorUpdate(room : Room) : void