## Class Diagram

## RoomUsage

- \_roomNumber : Number
- address : StringlightsOn : Bool
- \_heatingCoolingOn : Bool\_seatsUsed : Number
- \_timeChecked : Object
- + RoomUsage(roomNumber : Number , address : String , lightsOn : Bool , heatingCoolingOn : Bool , seatsUsed : Number , seatsTotal : Number , timeChecked : Object)
- + initialFromRoomPDO(roomUsageObject : Object)
- + set roomNumber(newValue : Number)
- + get roomNumber(): Number
- + set address(newValue : String)
- + get address(): String
- + set lightsOn(newValue : Bool)
- + get lightsOn(): Bool
- + set heatingCoolingOn(newValue : Bool)
- + get heatingCoolingOn(): Bool
- + set seatsUsed(newValue : Number)
- + get seatsUsed(): Number
- + set seatsTotal(newValue : Number)
- + get seatsTotal(): Number
- + set timeChecked(newValue : Object)
- + get timeChecked(): Object
- + get time() : String
- + get buildingAddress(): String
- + decodeJSONTimeChecked()
- + get occupancy(): Number

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## RoomUsageList

- \_roomList : Array
- + RoomUsageList()
- + addRoomUsageList(roomUsageInstance : Object )
- + removeRoomUsage(index : Number)
- + initialiseFromRoomListPDO(roomUsageListObject : Object )
- + roomUsageInstance(index : Number) : Object
- + hour(roomUsageInstance : Object): String

- building(roomUsageInstance : Object) : String aggregateBy(callback : Function): Object get arrayLength() : Number

- + sortByOccupancy()