# **Venue Hire System**

5165630

## Reservation

+reservationName: string +startDat: LocalDate +endDate: LocalDate +tempBookingFlag: boolean

+smlCount: int medCount: int lrgCount: int

-getReservationName():String -getStartDate(): LocalDate

-getEndDate(): LocalDate

-setFlag()

-getFlag(): boolean

-getSmlCount(): int

-setSmlCount(int);

-getMedCount(): int

-setMedCount(int);

-getLrgCount(): int

-setLrgCount(int);
-resToJSON(): JSONObject

#### Room

+roomName: String +size: String

+reservationList: ArrayList<Reservation>

-getName()

-storeReservation(Reservation)

-getReservation(Reservation)

-removeReservation(Reservation): boolean

-roomAvailable(Reservation) String

-getSize() String

-reservationCount(): int

-resArray(): JSONArray

reInList(String): boolean

-removeResByID(String)

-getRoomById(String)

# Venue

+venueName: String

+roomList: ArrayList<Room>

+sml: int +med: int

+lrg: int

-attemptBooking(Reservation):boolen

-hasENoughRooms(Reservation):boolean

-getRoomList():roomList

-deleteAllResID(String)

-getLrgRooms():ArrayList<Room>

-getMedRooms():ArrayList<Room>
-getSmlRooms():ArrayList<Room>

-getVenueName():String

-getVenueRoomList(): ArrayList<Room>

-venArray(): JSONArray

-appendRoom(String,String):

-getSmlCount(): int

-getMedCount():int
-getLrgCount():int

-rmArray(String): ArrayList<String>

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### VenueHireSystem

+venueList: ArrayList<Venue>

 $\hbox{-processCommand(json,system): system}$ 

-addRoom(string,string,string)

-request(String,LD,LD,int,int,int)

-change(String,LD,LD,int,int,int):system

-delete(String)

-list(IString)