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COMP2511
Assignment 2 UML Diagram

Venue Hire System

- venues: List<Venue>
- rooms: List<Room>
- bookings: List<Bookings>

- processCommand(JSONObject): void
- addRoom(String, String, String): void
+ request(String, LocalDate, LocalDate, int, int, int): JSONObject
+ requestChange(String, LocalDate, LocalDate, int, int, int): void
+ cancelBooking(String): void
+ listVenueInfo(String)

Room

- venue: Venue
- name: String
- size: String

+ getVenue): Venue
+ getName: String
+ getSize: String
+ checkRoomsDates(LocalDate, LocalDate, List<Booking>): boolean

Venue

- rooms: List<Room>
- name: String

+ getName(): String
+ setName(String): void
+ addRoom(Room): void
+ listReservations(List<booking>): JSONArray

Booking

- id: String
- venue: Venue
- rooms: List<Room>
- starteDate: LocalDate
- endDate: LocalDate

+ getId(): String
+ getVenue: Venue
+ getRooms: List<Rooms>
+ getStartDate(): LocalDate
+ getEndDate(): LocalDate
+ setStartDate(LocalDate): void
+ setStartDate(LocalDate): void
+ hasRoom(Room): bool
+ checkBookingsDates(LocalDate, LocalDate): bool