

- reservationRequests: List<reservationRequests>
- venues: List<Venue>
- + addRoom(String, String, String)
- + request(String, LocalDate, LocalDate, int, int, int)
- + change(String, LocalDate, LocalDate, int, int, int)
- + cancel(String)
- + list(String)

## Reservation

0..\*

- name: String
- startDate: LocalDate
- endDate: LocalDate
- smallCount: int
- mediumCount: int
- largeCount: int
- venue: Venue
- + getID()
- + setID(String)
- + getStartDate()
- + setStartDate(LocalDate)
- + getEndDate()
- + setEndDate(LocalDate)
- + getSmallCount()
- + setSmallCount(int)
- + getMediumCount()
- + setMediumCount(int)
- + getLargeCount()
- + setLargeCount(int)

## Venue

- name: String
- smallRoomList: List<Room>

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0..\*

- medRoomList: List<Room>
- largeRoomList: List<Room>
- + getName()
- + setName(String)
- + addRoom(String, String)
- + bookRooms(String, LocalDate, LocalDate, List<String>)
- + checkAvailability(LocalDate, LocalDate, int, int, int)
- + releaseRooms(String)
- + generateList()



## Room

- name: String
- bookingIDs: List<String>
- startDates: List<LocalDate>
- endDates: List<LocalDate>.
- + getName()
- + setName(String)
- + getBookingIDs()
- + addBookingIDs(String)
- + getStartDate()
- + addStartDates(LocalDate)
- + getEndDates()
- + addEndDate(LocalDate)
- + isValidBooking(LocalDate, LocalDate)
- + generateReservations()
- + generateList()