

Requirement Specification for Marketing V7

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📅 Date	@February 22, 2025
≡ Note	Sent to Marketing Team
≡ Sender	Team 26 - Operations

To: Marketing Team 27

Dear Team nullptr, we hope your processes are going well.

As we continue developing Lancaster's Music Hall's new system, we want to ensure that the Operations team can efficiently collaborate with Marketing team through a Java interface, to allow us to pull data to help us reach our relevant tasks and vice versa. To support this, the Operations team need to access key marketing-related data and functionalities. Below is a list of features we require access to, and we would appreciate your input to ensure that all necessary elements are captured.

1. Group Booking and Ticket Reservation:

We need access to group bookings that the Marketing team handles, particularly for large bookings such as 'Friends of Lancaster's'. This interface should allow us to view which rows or sections are reserved for group bookings and ensure that these seats are appropriately blocked from general sales until the bookings are finalised.

Access-Level: Read-Only

Required Data:

- groupBookingID (int): Unique ID for the group booking.
- eventDate (String/Date e.g. '2025-04-15'): The date of the group booking.
- reservedRows (List<int> or Array of int): Rows reserved for group booking.
- reservedSeats (List<int>/ or Array of Int): Seat numbers reserved for group booking.
- isComplete (boolean): Status indicating whether the booking is completed.

2. Film Show Scheduling:

We need visibility into the film screenings that the Marketing team schedules into gaps in the venue calendar. The interface should allow us to view when films are scheduled in the Main Hall, ensuring that the room configurations (e.g. seating arrangements for films) are ready on time and do not conflict with other events.

Access-Level: Read-Only

Required Data:

- filmShowID (int): Unique ID for the film show.
- filmTitle (String): Title of the film.
- showDate (String/Date e.g. '2025-04-15'): Date when the film is scheduled.
- startTime (int/Date e.g. 1400 → 2pm): Time when the film starts.
- endTime (int/Date e.g. 1600 → 4pm): Time when the film ends.
- screeningRoom (String e.g. C101): The venue room (e.g. Main Hall) where the film will be shown.
- seatingConfiguration (String or Object e.g. Seating Configuration, with fields for seatNumber and seatRow): Seating configuration required for the film.

3. Priority Access for 'Friends of Lancaster's':

We require access to seating allocations reserved for the "Friends of Lancaster's" group. The interface should allow us to monitor the priority seating and booking windows, ensuring that the best seats are held appropriately until the designated sale period ends, and that these seats are correctly released afterward (1 week post ticket publishing).

Access-Level: Read-Only

Required data:

- prioritySeatID (int): Unique ID for the reserved seat.
- reservedBy (String): Name of the "Friends of Lancaster's" member who reserved the seat.
- seatRow (String): Row where the seat is located.
- seatNumber (int): Seat number that is reserved.
- reservationStartDate (String/Date e.g. '2025-04-15'): Start date of the priority booking window.
- reservationEndDate (String/Date e.g. '2025-04-15'): End date of the priority booking window.

4. **Marketing Event Planning:**

Finally, we need access to any events or meetings the Marketing team schedules using available venue spaces. The interface should enable us to view room bookings made for meetings or promotional events and ensure that room setups and configurations are arranged accordingly.

Access-Level: Read-Only

Required data:

- marketingEventID (int): Unique ID for the marketing event.
- eventTitle (String): Title of the marketing event.
- eventDate (String e.g. '2025-04-15'): Date of the marketing event.
- startTime (int e.g. 1400 → 2pm): Start time of the marketing event.
- endTime (int 1600 → 4pm): End time of the marketing event.

- roomReserved (String): Name of the room reserved for the event e.g. C101 (meeting room)
- setupRequirements (String): Room configuration requirements for the event (e.g. seating, equipment).

Please let us know if there are any additional details or considerations we should include in the interface to better facilitate collaboration between our teams.

Best regards,

Operations Team 26 - Strivers

Customer: Lancaster's Music Hall