

## Evaluation of the Marketing Team's Java Interface Implementation

**Introduction** This evaluation reviews the Java interface developed by the Marketing Team to determine how well it meets the Box Office Team's requirements. The assessment is based on the "Box Office - Marketing Requirements" document and the "BoxOfficeInterface.java" file. The report identifies areas where the implementation aligns with expectations and where improvements are needed.

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### Comparison of Implemented Methods with Requirements

Requirement	Implemented Method	Evaluation
Promotional and Advertising Data	getUpcomingEventPromotions()	Retrieves event and promotion details as expected.
Priority Ticket Reservations for 'Friends of Lancaster's'	getFriendsReservations(String membershipId)	Correctly fetches priority ticket reservations.
Tracking Promotional Ticket Sales	getPromotionalSalesTracking(String promotionCode)	Meets requirement – allows tracking of promotional sales.
Group Bookings: Held Seats	getGroupHolds(int minimumGroupSize)	Retrieves data on held seats for large groups.
Group Bookings: Reserved Rows	getReservedRows(String groupId)	Confirms reserved rows for group bookings.
Institutional Bookings (Schools, Colleges, Universities)	getInstitutionalBookings(String institutionType)	Provides institutional booking data and applied discounts.
Film Scheduling and Management	getFilmSchedule(LocalDateTime startDate, LocalDateTime endDate)	Retrieves film schedules and showtimes.

<b>Real-time Sales and Audience Data for Films</b>	<code>getFilmEngagement(String filmId)</code>	Supplies sales and audience engagement metrics.
<b>Financial Data for Film Screenings</b>	<code>getFilmFinancials(String filmId)</code>	Retrieves financial data related to film screenings.

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## Missing or Partially Met Requirements

### 1. Discount Tracking

- Suggestion: Implement a method `retrieveDiscount(String discountType)`, where the parameter fields can be student, Friends of Lancaster, NHS, etc. This will ensure the Box Office Team gets the necessary information to apply discounts accurately.
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**Conclusion & Recommendations** The Java interface successfully covers most of the essential requirements for Box Office and Marketing collaboration. However, for full compliance and a **5/5 rating**, the following enhancement should be considered:

1. **Implement a method `retrieveDiscount(String discountType)`** – This will allow tracking and applying discounts for different categories, such as students, Friends of Lancaster, and NHS members.

## **Feedback on Marketing Team Data Requirement Specification**

The requirement specification provided by the Marketing team effectively outlined the data and data types they require from the Box Office team.

When requesting specific data, the Marketing team included clear reasons for needing access to it, which helped our team understand the purpose behind each request and plan accordingly to meet these needs.

The Marketing team requested access to Booking and Customer data, and they provided a well-structured format for how the data should be delivered. This clarity allowed our developers to plan the development process thoroughly and ensure that the data was provided in the desired structure.

The simplicity of this specification made it easy for our development team to get straight to work. By focusing on the most important information, the Marketing team avoided overloading our developers with unnecessary tasks, ensuring that the Java interfaces were delivered on time.

### **Areas for Improvement:**

- It would be beneficial for the Marketing team to include a conclusion at the end of the specification to summarize the key points and highlight the main areas for our team to focus on.