Bug Report:

Title: [Reservation] Allow Multiple Reservations for the Same Room and Excessive Guests

Summary: The application currently allows multiple reservations for the same room number within the same period and permits an excessive number of guests, leading to potential overbooking and inaccurate occupancy management. Fixing this issue is crucial to ensure smooth hotel operations and customer satisfaction.

Severity: High

Priority: Urgent

Description:

The application allows users to create multiple reservations for the same room number, even if they overlap within the same period. Additionally, the application accepts reservations with an excessively high number of guests (above the reasonable limit). This bug poses a significant risk to hotel management, potentially causing overbooking and confusion among customers.

Steps to Reproduce:

1. Log in as an Admin user.

2. Navigate to the "Reservations" section.

3. Select an existing room reservation with a specific room number and period.

4. Attempt to create a new reservation with the same room number and a period that overlaps with the existing reservation.

5. During the reservation creation process, enter an unreasonably large number of guests (e.g., more than 999,999).

Expected Results:

The application should restrict users from creating multiple reservations for the same room number within overlapping periods. Additionally, the system should enforce a reasonable limit on the number of guests allowed for each reservation.

Actual Results:

The application allows users to create multiple reservations for the same room number within the same period, and it permits an excessive number of guests, causing potential overbooking and occupancy management issues.

Environment:

- Application Version: v1.0
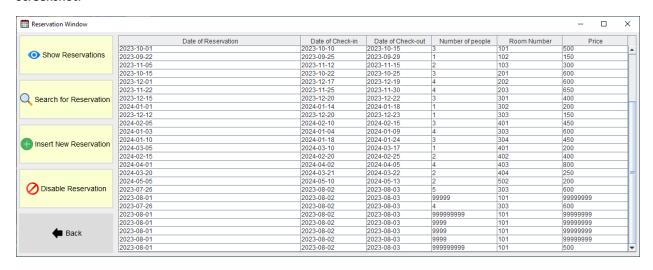
- Operating System: Windows 10

Conclusion:

By advocating for the fix of this critical bug, we can ensure that the hotel management application operates smoothly, preventing overbooking and maintaining accurate occupancy records. A well-handled reservation system directly impacts customer satisfaction and the overall success of the hotel business. With a carefully planned approach and a sense of urgency, addressing this bug will bring significant benefits to both the hotel and its customers.

Additional Information:

- Screenshots of the reservation creation process showing the ability to create multiple overlapping reservations.

- Test data used during reproduction.

Screenshot:

Test data:

Room Number: 101

Reservation Date: 2023-08-01

Check-in Date: 2023-08-02

Check-out Date: 2023-08-03

Number of Guests: 9999

Test Case 1 - Overlapping Reservation:

Room Number: 101

Reservation Date: 2023-08-01

Check-in Date: 2023-08-02

Check-out Date: 2023-08-03

Number of Guests: 9999

Test Case 2 - Excessive Guests:

Room Number: 101

Reservation Date: 2023-08-01

Check-in Date: 2023-08-02

Check-out Date: 2023-08-03

Number of Guests: 999999999