

B&B Booking Management Application Bug Report

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Introduction

This document outlines critical defects identified within the B&B Booking Management application. Its primary objective is to provide the development team with a clear understanding of the issues encountered during exploratory testing to enhance the application's quality and user experience.

Purpose

The goal of this report is to systematically document identified bugs, enabling efficient prioritization, assignment, and resolution. Each bug is detailed with specific steps to reproduce, expected and actual outcomes, and additional relevant information to help developers in resolving the issues promptly.

Bug Severity and Priority Levels

Understanding the criticality of each bug is essential for prioritizing the resolution process. The following categories are used to classify the severity and priority of each bug:

Bug Severity (highest to lowest):

- **S1 - Critical:** Bugs that cause system crashes or data loss, rendering the application unusable.
- **S2 - Major:** Significant bugs that hinder major functionality but do not cause complete failure.
- **S3 - Minor:** Bugs that cause inconvenience but do not significantly impair the main functionalities.
- **S4 - Low:** Minor bugs that have a negligible impact on the user's experience and can be easily worked around.

Bug Priority (highest to lowest):

- **P1 - High:** Bug must be resolved at the earliest as it affects the system adversely and renders it unusable until it is resolved.
- **P2 - Medium:** Bug can be fixed in the normal course of development and testing.
- **P3 - Low:** Low-priority issues that do not have a significant impact on the overall functionality or user experience and can be addressed in later releases.

Bug Report 1: System breaks with invalid input in Price field

Bug Report ID: 001

Title:

System breaks with non-numeric or incorrect value in Price field, displays blank page with console error

Description:

When a user inputs non-numeric values (e.g., '1A', 'ABC') or a number with more than 10 digits (e.g., 12345678901) or decimal numbers (e.g., 1.2) into the Price field, the system breaks and displays a blank page.

The console error message is *"Uncaught TypeError: Cannot read properties of undefined (reading 'length')." This issue prevents admin user from creating the room and affects system stability.*

Steps to Reproduce:

1. Log in as an admin user.
 - 1.1. Go to admin panel URL
 - 1.2. Enter a valid username and password
 - 1.3. Click the 'Login' button
2. On the Rooms page (default), enter a non-numeric value (e.g., '1A', 'ABC') or a number with more than 10 digits (e.g., 12345678901) or a decimal number (e.g., 1.2) into the **Price** field
3. Fill in other fields e.g., Room #, Type, Accessible, Room details
4. Click on the "Create" button

Expected Result:

The system should display a validation error message indicating that the Price field must contain a numeric value, such as *"Price must be a number"* or *"Price must be less than or equal to 999"*.

Actual Result:

The system breaks, displaying a blank page with the following console error:

- *"Uncaught TypeError: Cannot read properties of undefined (reading 'length')."*

Environment:

- Operating System: Windows 11
- Browsers: Chrome Version 127.0.6533.73 (64-bit), Firefox 128.0.3 (64-bit)

Severity: S1 (Critical)

- The issue causes the system to break and displays a blank page, preventing admin user from completing the room creation. This affects system functionality and user experience significantly.

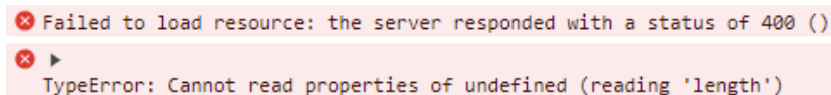
Priority: P1 (High)

- This bug requires immediate attention as it disrupts a core functionality of the application (room creation) and affects all users who enter invalid data in the Price field. The system's stability and usability are compromised, and users cannot proceed with room creation if the issue occurs.

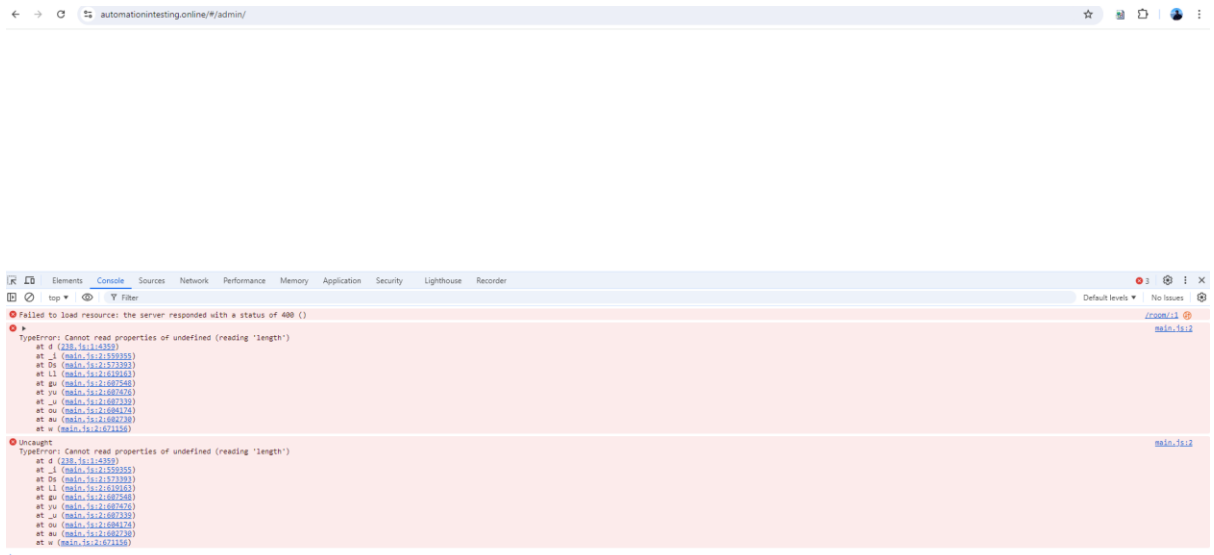
Attachments:

Please refer below screenshot for quick reference –

1. Console log capturing the error:



2. Screenshot of the blank page and error message:



Additional Information:

- The issue seems to stem from improper handling of non-numeric input in the Price field, leading to an unhandled exception. Proper input validation and error handling should be implemented to prevent this issue.

Status: Open

Bug Report 2: Room details reset issue on new room creation

Bug Report ID: 002

Title:

Room details reset issue on new room creation

Description:

When adding a new room, the "Room details" checkboxes retain the selections from the previous room creation attempt. If the "Create" button is clicked without adjusting these options, the newly created room incorrectly shows "No features added to the room," despite the checkboxes being selected.

Steps to Reproduce:

1. Log in as an admin user.
 - 1.1. Go to admin panel URL
 - 1.2. Enter a valid username and password
 - 1.3. Click the 'Login' button
2. Specify room attributes like Room ID, Type, Accessible, Price and select various Room details (e.g., TV, WiFi)
3. Click "Create" to add the room.
4. Without changing the "Room details" checkboxes, attempt to create another room.
5. Observe that the new room displays "No features added to the room" even if the checkboxes were selected.

Expected Result:

The system should reset the "Room details" checkboxes after creating a room.

Actual Result:

The new room is created with *"No features added to the room"* despite the checkboxes being checked and the system does not reset the 'Room details' checkboxes after creating a room.

Severity: S3 (Minor)

Priority: P2 (Medium)

Attachments:

Please refer below screenshot for quick reference – screenshots showing room details selection and resulting discrepancy

1. Room creation with #102:

| Room # | Type | Accessible | Price | Room details |
|--------|--------|------------|-------|--|
| 101 | single | true | 100 | TV, WiFi, Safe |
| 102 | Single | true | 100 | <input checked="" type="checkbox"/> WiFi <input type="checkbox"/> Refreshments |
| | | | | <input checked="" type="checkbox"/> TV <input checked="" type="checkbox"/> Safe |
| | | | | <input checked="" type="checkbox"/> Radio <input checked="" type="checkbox"/> Views |
| | | | | Create |

2. Room created with #102; Room details values are retained from previous room creation:

| Room # | Type | Accessible | Price | Room details |
|--------|--------|------------|-------|--|
| 101 | single | true | 100 | TV, WiFi, Safe |
| 102 | Single | true | 100 | WiFi, TV, Radio, Safe, Views |
| | Single | false | | <input checked="" type="checkbox"/> WiFi <input type="checkbox"/> Refreshments |
| | | | | <input checked="" type="checkbox"/> TV <input checked="" type="checkbox"/> Safe |
| | | | | <input checked="" type="checkbox"/> Radio <input checked="" type="checkbox"/> Views |
| | | | | Create |

3. Create new Room with #103 “Room details” values retained from previous room creation:

| Room # | Type | Accessible | Price | Room details |
|--------|--------|------------|-------|--|
| 101 | single | true | 100 | TV, WiFi, Safe |
| 102 | Single | true | 100 | WiFi, TV, Radio, Safe, Views |
| 103 | Twin | true | 200 | <input checked="" type="checkbox"/> WiFi <input type="checkbox"/> Refreshments |
| | | | | <input checked="" type="checkbox"/> TV <input checked="" type="checkbox"/> Safe |
| | | | | <input checked="" type="checkbox"/> Radio <input checked="" type="checkbox"/> Views |
| | | | | Create |

4. New Room with #103 created, and Room details shows ‘No features added to the room’:

| Room # | Type | Accessible | Price | Room details |
|--------|--------|------------|-------|--|
| 101 | single | true | 100 | TV, WiFi, Safe |
| 102 | Single | true | 100 | WiFi, TV, Radio, Safe, Views |
| 103 | Twin | true | 200 | No features added to the room |
| | Single | false | | <input checked="" type="checkbox"/> WiFi <input type="checkbox"/> Refreshments |
| | | | | <input checked="" type="checkbox"/> TV <input checked="" type="checkbox"/> Safe |
| | | | | <input checked="" type="checkbox"/> Radio <input checked="" type="checkbox"/> Views |
| | | | | Create |

Status: Open

Bug Report 3: Duplicate Room IDs allowed

Bug Report ID: 003

Title:

Multiple rooms with same ID can be created

Description:

The system allows the creation of rooms with duplicate Room IDs, which should be unique for each room. This can lead to confusion and data inconsistency.

Steps to Reproduce:

1. Log in as an admin user.
 - 1.1. Go to admin panel URL
 - 1.2. Enter a valid username and password
 - 1.3. Click the 'Login' button
2. Create a room with Room ID "102" and other details.
3. Attempt to create another room with the same Room ID "102".
4. System allows room to be created with the same ID, leading to duplicates.

Expected Result:

The system should validate the Room ID field and prevent the creation of rooms with duplicate IDs, displaying an appropriate error message.

Actual Result:

Rooms with the same Room ID are created without any error

Severity: S2 (Major)

- This bug affects data integrity and can cause confusion for admin.

Priority: P2 (Medium)

- This issue should be addressed promptly to ensure the system maintains unique identifiers for rooms.

Attachments:

Please refer below screenshot for quick reference –

- *Multiple rooms with Room ID '102'*

| Room # | Type | Accessible | Price | Room details | |
|--------|--------|------------|-------|-------------------------------|---|
| 101 | single | true | 100 | TV, WiFi, Safe | ✕ |
| 102 | Twin | true | 100 | No features added to the room | ✕ |
| 102 | Single | true | 200 | WiFi, TV | ✕ |

Single

false

☒ WiFi☐ Refreshments☒ TV☐ Safe☐ Radio☐ Views

Create

Status: Open

Bug Report 4: Room creation with empty Room ID allowed

Bug Report ID: 004

Title: Room Creation with Empty Room ID

Description: The system allows the creation of a room with an empty Room ID when only a space character is entered in the Room ID field. This can lead to database inconsistencies and potential issues with room management.

Steps to Reproduce:

- 1. Log in as an admin user.
 - 1.1. Go to admin panel URL
 - 1.2. Enter a valid username and password
 - 1.3. Click the 'Login' button
- 2. Navigate to the room creation section.
- 3. In the Room ID field, enter a space character (or multiple spaces).
- 4. Fill in the other required fields (e.g., Type, Accessible, Price, Room details).
- 5. Click on the "Create" button.

Expected Result:

The system should validate the Room ID field and prevent the creation of a room with an invalid ID, such as an empty or whitespace-only value. An error message should be displayed, prompting the user to enter a valid Room ID.

Actual Result:

The system accepts the space character as a valid Room ID, creating a room with an effectively empty ID. This allows a room to be created and saved in the system with an invalid identifier.

Severity: S3 (Minor)

Priority: P2 (Medium)

| Room # | Type | Accessible | Price | Room details |
|--------|-------------------|------------------|-------|---|
| 101 | single | true | 100 | TV, WiFi, Safe |
| | Double | true | 200 | 0, 1, 2 |
| | <div>Single</div> | <div>false</div> | | <div><div><div><input checked="" type="checkbox"/> WiFi</div><div><input type="checkbox"/> Refreshments</div></div><div><div><input checked="" type="checkbox"/> TV</div><div><input checked="" type="checkbox"/> Safe</div></div><div><div><input type="checkbox"/> Radio</div><div><input type="checkbox"/> Views</div></div></div> |

Create

Status: Open

Bug Report 5: Incorrect error message for Room ID and Price fields

Bug Report ID: 005

Title:

Incorrect error messages for the fields "Room ID" and "Price"

Description:

When creating a new room, the system shows incorrect error messages if –

- The Room ID is empty
- The Price field is empty or exceeds 999

This can confuse users and may lead to misunderstandings during data entry.

Steps to Reproduce:

1. Log in as an admin user.
 - 1.1. Go to admin panel URL
 - 1.2. Enter a valid username and password
 - 1.3. Click the 'Login' button
2. Attempt to create a new room on the Rooms page with either a blank Room ID or a Price field that is empty or exceeds 999
3. Fill in other fields e.g., Type, Accessible, Room details (optional)
4. Click on the "Create" button

Expected Result:

The system should display an error message indicating that the "Room ID" or "Price" field must be filled, such as

1. "Room ID must be set"
2. "Price must be greater than or equal to 1"
3. "Price must be less than or equal to 999"

Actual Result:

The system displays the error message:

1. "Room name must be set"
2. "must be greater than or equal to 1"
3. "must be less than or equal to 999"

Environment:

- Operating System: Windows 11
- Browser: Chrome Version 127.0.6533.73, Firefox 128.0.3 (64-bit)

Severity: S4 (Low)

Priority: P3 (Low)

Attachments:

Please refer below screenshot for quick reference –

1. Room ID:

B&B Booking Management

| Room # | Type | Accessible | Price | Room details |
|----------------------|-------------------------------------|------------------------------------|--------------------------------|--|
| 101 | single | true | 100 | TV, WiFi, Safe |
| <input type="text"/> | <input type="text" value="Single"/> | <input type="text" value="false"/> | <input type="text" value="1"/> | <input type="checkbox"/> WiFi <input type="checkbox"/> Refreshments <input type="checkbox"/> TV <input type="checkbox"/> Safe <input type="checkbox"/> Radio <input type="checkbox"/> Views |

Room name must be set

2. Price:

| Room # | Type | Accessible | Price | Room details |
|--------|-------------------------------------|------------------------------------|----------------------|--|
| 101 | single | true | 100 | TV, WiFi, Safe |
| 1A | <input type="text" value="Single"/> | <input type="text" value="false"/> | <input type="text"/> | <input type="checkbox"/> WiFi <input type="checkbox"/> Refreshments <input type="checkbox"/> TV <input type="checkbox"/> Safe <input type="checkbox"/> Radio <input type="checkbox"/> Views |

must be greater than or equal to 1

| Room # | Type | Accessible | Price | Room details |
|--------|-------------------------------------|------------------------------------|-----------------------------------|--|
| 101 | single | true | 100 | TV, WiFi, Safe |
| 102 | <input type="text" value="Single"/> | <input type="text" value="false"/> | <input type="text" value="1000"/> | <input type="checkbox"/> WiFi <input type="checkbox"/> Refreshments <input type="checkbox"/> TV <input type="checkbox"/> Safe <input type="checkbox"/> Radio <input type="checkbox"/> Views |

must be less than or equal to 999

Additional Information:

- No workaround is required as the error does not block the creation process once the field is correctly filled. However, correcting the message will improve clarity.

Status: Open