**Use Case** 3**: Manage Hotel Rooms**

**Overview:**

This Use Case enables the user, the employee, to make manage specific hotel rooms functions for the customer such as room reservations and room management.

**Preconditions:**

1. The user needs to reserve a hotel room for a customer.
2. The database is accessible.
3. The Reservation Room tab is displayed.

**Scenario**

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| Action | Software Reaction |
| 1. The user clicks on text field of “Date from” and “to”, and enters the dates of the requested reservation. | 1. The two text fields of “Date from” and “to” will have numerical values representing dates. |
| 1. The user enters the price range the customer is searching for in the price range text fields | 1. The two text fields of the “Price Range” will represent numeral values representing the price range of available hotels |
| 1. The user clicks on a drop box of “Smoking” and enter a Boolean value for the hotel reservation | 1. The drop box will have a Boolean value representing whether the room is smoking or smoke free. |
| 1. The user clicks on a drop box of “Pets” and enter a Boolean value for the hotel reservation | 1. The drop box will have a Boolean value representing whether the room accommodates pets or not. |
| 1. The user clicks on a drop box of “Kitchen” and enter a Boolean value for the hotel reservation | 1. The drop box will have a Boolean value representing whether the room has a kitchen or not. |
| 1. The user clicks on a drop box of “Fridge” and enter a Boolean value for the hotel reservation | 1. The drop box will have a Boolean value representing whether the room has a fridge or not. |
| 1. The user clicks on query button to search for all of the hotel room that meets the criteria. | 1. There will be a list of available hotel room numbers that will appear on the result section. |
| 1. The user selects any one of the hotel rooms available on the list under the result section. | 1. The selected hotel room number will be highlighted in blue. |
| 1. The user will go to the payment info section, click on the text field of name and enter the name of the customer. | 1. The text field of name will have the name of the customer represented by letters. |
| 1. The user will click on the text field of the credit card number and credit card expiration date. The user will enter the information of the customer credit card. | 1. The text field of credit card number and expiration date will have credit card information of the customer in numerical value. |
| 1. The user will click on the reserve button after all of the information is filled. | 1. It will send the customer to a page that tells them the information of their hotel reservation. |

**Scenario Notes:**

Item 1 to 4 can be done in any order, so it does not affect each other.

**Postconditions:**

1. A conference room will be reserved for the customer based on the specification provided.
2. The database will update to where there will be one less room.
3. A page will appear to let customer have information of their reserved conference room.

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| **Required GUI:**  **Mouse and keyboard** | **Use Cases Utilized:**  **none** |
| **Exceptions:**   1. The DB cannot be accessed. 2. There are no available conference rooms to be reserved. | **Timing Constraints:**  **none** |