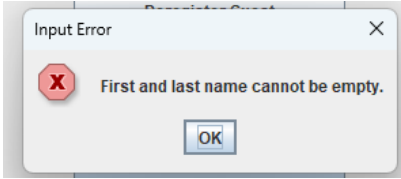
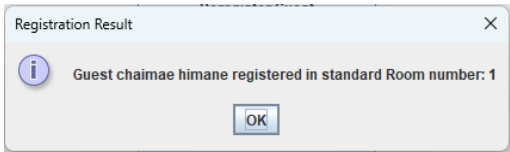
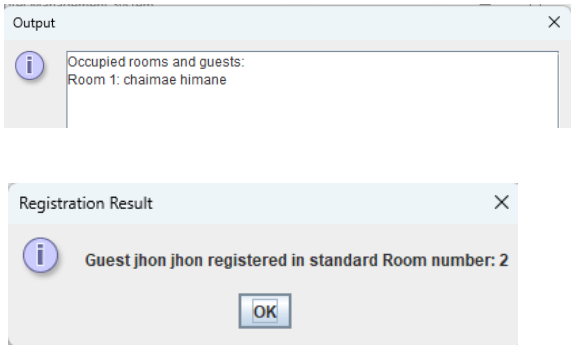
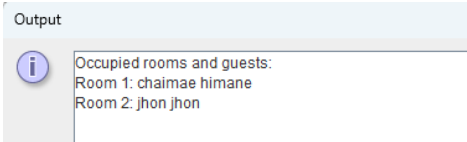

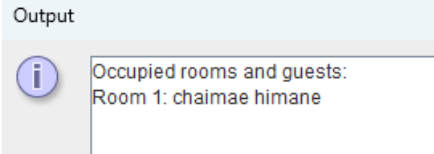



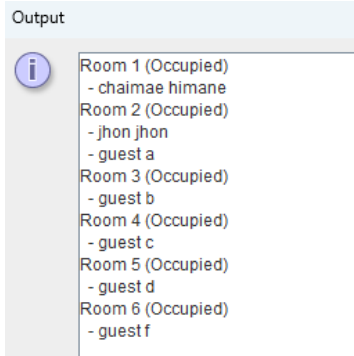
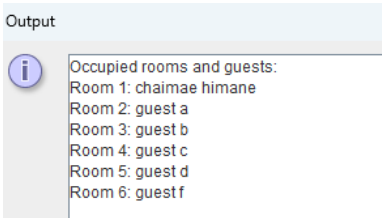


Hotel system test scenario

Tests	Expected results	Actual results
1. After clicking the "View Occupancy" button and verifying that all rooms are empty, click the "Register Guest" button and enter an empty username/password .	A popup appears indicating that the registration is invalid.	Popup appearing correctly  An 'Input Error' dialog box with a red 'X' icon. The message reads: 'First and last name cannot be empty.' There is an 'OK' button at the bottom.
2. After clicking the "View Occupancy" button and verifying that all rooms are empty, click the "Register Guest" button and enter a valid username/password .	A popup confirms the registration.	Popup appearing correctly  A 'Registration Result' dialog box with an information 'i' icon. The message reads: 'Guest chaimae himane registered in standard Room number: 1'. There is an 'OK' button at the bottom.
3. After clicking the "View Occupancy" button and verifying that room 1 is occupied by the guest registered in test 2, click the "Register Guest" button and enter a valid username/password .	A popup confirms the registration.	Popups appearing correctly  Two dialog boxes are shown. The top one is an 'Output' window with an information 'i' icon, displaying: 'Occupied rooms and guests: Room 1: chaimae himane'. The bottom one is a 'Registration Result' dialog box with an information 'i' icon, displaying: 'Guest jhon jhon registered in standard Room number: 2'. Both have 'OK' buttons.
4. Click the "View Occupancy" button and verify that rooms 1 and 2 are occupied by the guests registered in tests 2 and 3.	The rooms are indeed occupied.	Correct result  An 'Output' dialog box with an information 'i' icon, displaying: 'Occupied rooms and guests: Room 1: chaimae himane Room 2: jhon jhon'.

5. Click the "Occupancy Report" button.	Verify that rooms 1 and 2 were used for one stay each at the selected standard price.	Correct result 
After test 4, click the "Deregister Guest" button, select room 2, then check room occupancy again using the "View Occupancy" button.	Room 1 is the only one occupied.	Correct result 
7. Click the "Occupancy Report" button.	Verify that rooms 1 and 2 were each used for one stay at the standard price.	Correct result 
8. Add 5 guests, then verify room occupancy and the occupancy report using the "View Occupancy" and "Occupancy Report" buttons respectively.	All rooms are occupied. Each room has been used for one stay except room 2, which was used twice. The first three rooms have a profit of <code>numberOfStays × standard price</code> , while the last three rooms have a profit of <code>numberOfStays × standard price × 1.5</code> . Room 2 appears first in the list due to its higher number of stays (sorted in descending order).	View occupancy and View occupancy report  

<p>9. Click the "Room History & Status" button.</p>	<p>See that all rooms have one guest, except room 2 which has two guests (it retains the history of guests who stayed in it — from tests 3 and 8).</p>	<p>Room history and status</p> 
<p>10. Quit and relaunch the application.</p>	<p>The previous room states are preserved.</p>	<p>System state is preserved</p> 
<p>11. Quit the application, change the price, and relaunch it.</p>	<p>The state is lost and a new instance is launched.</p>	<p>A new instance is launched with the new price and total room numbers</p> 