

Creating of Hotel					
Method	Test case	Input	Expected output	Actual output	P/F
addBasicRoom()	User adds a basic room beyond 50	Tries to input 51 basic rooms	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
	User adds a basic room when all rooms almost surrs up to 50	Deluxe Room:44 Executive Room: 3 Basic Room: 3	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
	User tries to input a basic room below 0	Basic Room: 0	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
addDeluxeRoom()	User adds a deluxe room beyond 50	Tries to input 51 deluxe rooms	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
	User adds a deluxe room when all rooms almost surrs up to 50	Deluxe Room:44 Executive Room: 3 Basic Room: 3	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
	User tries to input a basic room below 0	Deluxe Room: -1	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
addExecutiveRoom()	User adds a executive room beyond 50	Tries to input 51 executive rooms	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
	User adds a deluxe room when all rooms almost surrs up to 50	Deluxe Room:44 Executive Room: 3 Basic Room: 3	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
	User tries to input a deluxe room below 0	Basic Room: 3 Deluxe Room: -1	Creation unsuccessful, Invalid number of rooms	Creation unsuccessful, Invalid number of rooms	P
deleteHotelExist()	Tries to create a unique hotel	Chacha	Should return false since it is not found in the array list of hotels	Should return false since it is not found in the array list of hotels	P
	Tries to create a hotel that was already created	Chacha	Should return true since it is found in the array list of hotels	Should return true since it is found in the array list of hotels	P
ManageHotel					
Method	Test case	Input	Expected output	Actual output	P/F
Add Rooms					
addBasicRoom()	User adds a basic room that exceeds 50 max rooms	Current number of rooms: 43 Input: 8	Total rooms exceed the maximum allowed limit of 50.	Total rooms exceed the maximum allowed limit of 50.	P
	User inputs a negative number input	Basic Room: -1	Room counts cannot be negative.	Room counts cannot be negative.	P
	User inputs a different data type from the expected	Basic Rooms: addsdaf	Numeric inputs only	Numeric inputs only	P
addDeluxeRoom()	User adds a deluxe room that exceeds 50 max rooms	Current number of rooms: 43 Input: 8	Total rooms exceed the maximum allowed limit of 50.	Total rooms exceed the maximum allowed limit of 50.	P
	User inputs a negative number input	Basic Room: -1	Room counts cannot be negative.	Room counts cannot be negative.	P
	User inputs a different data type from the expected	Basic Rooms: addsdaf	Numeric inputs only	Numeric inputs only	P
addExecutiveRoom()	User adds a executive room that exceeds 50 max rooms	Current number of rooms: 43 Input: 8	Total rooms exceed the maximum allowed limit of 50.	Total rooms exceed the maximum allowed limit of 50.	P
	User inputs a negative number input	Basic Room: -1	Room counts cannot be negative.	Room counts cannot be negative.	P
	User inputs a different data type from the expected	Basic Rooms: addsdaf	Numeric inputs only	Numeric inputs only	P
addBasicRoom() + addDeluxeRoom() + addExecutiveRoom()	Sum of all is less than the current number of rooms in the hotel	Current number of rooms: 43 Basic: 3 Deluxe: 3 Executive: 1	Room(s) created successfully!	Room(s) created successfully!	P
	Sum of all is greater than the current number of rooms in the hotel	Current number of rooms: 43 Basic: 3 Deluxe: 3 Executive: 2	Total rooms exceed the maximum allowed limit of 50.	Total rooms exceed the maximum allowed limit of 50.	P
Change Hotel Name					
Method	Test case	Input	Expected output	Actual output	P/F
changeHotelName()	Inputs a unique hotel name	Chacha	Hotel Name successfully	Hotel Name successfully	P
	Inputs a hotel name that already exists	Chacha	Hotel already exists please choose a new name	Hotel already exists please choose a new name	P
Remove Rooms					
Method	Test case	Input	Expected output	Actual output	P/F
removeRoom()	Inputs a valid room index	Number of rooms: 3 1. Basic 2312 2. Deluxe 1002 3. Executive 3452 Input: 1	Room successfully removed	Room successfully removed!	P
	Inputs a invalid room index	Number of rooms: 3 1. Basic 2312 2. Deluxe 1002 3. Executive 3452 Input: 0	Invalid room index. Please enter a valid index.	Invalid room index. Please enter a valid index.	P
Update Base Price					
Method	Test case	Input	Expected output	Actual output	P/F
updatePrice()	Inputs a valid room price (>= 100)	Input: 1500	Base price updated successfully!	Base price updated successfully!	P
	Inputs an invalid room price	Input: 99	Error! The new price must be >= 100.0. Enter price.	Error! The new price must be >= 100.0. Enter price.	P
	User inputs a different data type from the expected input	Input: wordsdf	Numerical inputs only	Numerical inputs only	P
Remove Reservation					
Method	Test case	Input	Expected output	Actual output	P/F
removeReservation()	Inputs a valid reservation index	Number of reservations: 3 Reservation 1: Reservation 2: Reservation 3: Input: 1	Reservation successfully voided!	Reservation successfully voided!	P
	Inputs an invalid reservation index	Number of reservations: 3 Reservation 1: Reservation 2: Reservation 3: Input: 0	Reservation successfully voided!	Reservation successfully voided!	P
			Invalid reservation index. Enter index again:	Invalid reservation index. Enter index again:	P
Date Price Modifier					
Method	Test case	Input	Expected output	Actual output	P/F
setPriceModifier()	Inputs a valid day (x >= 1 && x <= 31)	Enter percentage: 2.1 Enter day you wish to modify: 1	Date price successfully changed	Date price successfully changed	P
	Inputs a valid percentage	Enter percentage: 2.1	Numeric inputs only	Numeric inputs only	P
	User inputs a different data type from the expected input	Enter day you wish to modify: addsdaf	Invalid day	Invalid day	P
	Inputs a valid day (x >= 1 && x <= 31)	Enter day you wish to modify: 0	Invalid day	Invalid day	P
Remove Hotel					
Method	Test case	Input	Expected output	Actual output	P/F
remove()	Inputs a valid hotel index	Number of rooms: 3 1. Chacha 2. Softal 3. Conrad Input: 1	Hotel successfully removed!	Hotel successfully removed!	P
	Inputs a invalid hotel index	Number of rooms: 3 1. Chacha 2. Softal 3. Conrad Input: 0	Invalid hotel index. Please enter a valid index.	Invalid hotel index. Please enter a valid index.	P
SimulateBooking					
Method	Test case	Input	Expected output	Actual output	P/F
bookHotel()	Booking without a hotel present	3	No hotels yet! Hotels are yet to be built.	No hotels yet! Hotels are yet to be built.	P
	bookings list of hotels have no rooms	3	Sorry hotels are still preparing their rooms! They will add in rooms soon.	Sorry hotels are still preparing their rooms! They will add in rooms soon.	P
	booking but specific hotel has no rooms	3	This hotel has no rooms yet! Please choose another hotel [Enter index].	This hotel has no rooms yet! Please choose another hotel [Enter index].	P
	booking but invalid checkin date	3 32	Error invalid day! Enter day.	Error invalid day! Enter day.	P
	booking but invalid checkout date	3 1 10	Error Check-out day must be after check-in day. Please rebook again.	Error Check-out day must be after check-in day. Please rebook again.	P
	booking with proper dates but invalid room index	3 1 15 50	Error room doesn't exist. Enter room index again: Thank you for choosing better! your reservation was successfully booked!	Error room doesn't exist. Enter room index again: Thank you for choosing better! your reservation was successfully booked!	P
	booking success	3 1 15 4 Stephen	Customer name: Stephen Suite Room: 4 Check in: 1st of the month Expected check out: 15th of the month Price Breakdown: Number of nights: 14 Price per night: 1296.0 Total cost of stay: 18144.0	Customer name: Stephen Suite Room: 4 Check in: 1st of the month Expected check out: 15th of the month Price Breakdown: Number of nights: 14 Price per night: 1296.0 Total cost of stay: 18144.0	P

Simulat

GUI SCREENSHOTS:

Enter hotel name:

Basic Rooms:   3

Deluxe Rooms:   3

Executive Rooms:   3

Submit

Clear text fields

Enter hotel name:

Basic Rooms:   0

Deluxe Rooms:   0

Executive Rooms:   0

Submit

Clear text fields

Othada created successfully!

Enter customer name:  
JULIAN JULIAN

Enter discount code if you have any:  
\_WORK\_HERE

Submit

ALERT  
? \_WORK\_HERE successfully redeemed. You got a 10% discount!  
Yes No

Customer name: *Juliahah Julian*  
Suite: *Basic 6155*  
Check in: *1st of the month*  
Expected check out: *31st of the month*  
Price Breakdown:  
Number of nights: 30  
Price per night: 1299.0  
Total cost of stay: 35973.0

Detailed price breakdown:  
1st-2nd->1.0 1299.0  
2nd-3rd->1.0 1299.0  
3rd-4th->1.0 1299.0  
4th-5th->1.0 1299.0  
5th-6th->1.0 1299.0  
6th-7th->1.0 1299.0  
7th-8th->1.0 1299.0

Go back to main

Add Rooms

Basic Rooms:   3

Deluxe Rooms:   3

Executive Rooms:   3

Add Rooms Change Hotel Name

Remove Rooms Update Base Price

Remove Reservation Modify Price

Remove Hotel Exit

Change Hotel Name

Enter new hotel name:

Submit

Add Rooms Change Hotel Name

Remove Rooms Update Base Price

Remove Reservation Modify Price

Remove Hotel Exit

Remove Rooms

Basic 9218 Basic 1239 Basic 2072

Deluxe 1552 Deluxe 1936 Deluxe 6792

Executive 2055 Executive 5482 Executive 8679

Add Rooms Change Hotel Name

Remove Rooms Update Base Price

Remove Reservation Modify Price

Remove Hotel Exit

Change Room Prices

Enter new prices:

Submit

Add Rooms Change Hotel Name

Remove Rooms Update Base Price

Remove Reservation Modify Price

Remove Hotel Exit

Manage Hotel

Modify Room Price

Basic 9218 Basic 1239 Basic 2072

Deluxe 1552 Deluxe 1936 Executive 2055

Executive 5482 Executive 8679

Add Rooms Change Hotel Name

Remove Rooms Update Base Price

Remove Reservation Modify Price

Remove Hotel Exit

Message  
! Checks currently has no reservations  
OK

Manage Hotel

Remove Reservation

Juliahah Julian

Add Rooms Change Hotel Name

Remove Rooms Update Base Price

Remove Reservation Modify Price

Remove Hotel Exit

Manage Hotel

Modify Room Price

Basic 1239 Basic 2072 Deluxe 1552

Deluxe 6196 Deluxe 6792 Executive 2055

Executive 5482 Executive 8679

Add Rooms Change Hotel Name

Remove Rooms Update Base Price

Remove Reservation Modify Price

Remove Hotel Exit

Confirm Reservation  
? Are you sure you want to delete hotel?  
Number of reservations: 1  
Number of rooms: 9  
Yes No

Manage Hotel

Modify Room Price

Basic 1239 Basic 2072 Deluxe 1552

Deluxe 6196 Deluxe 6792 Executive 2055

Executive 5482 Executive 8679

Add Rooms Change Hotel Name

Remove Rooms Update Base Price

Remove Reservation Modify Price

Remove Hotel Exit

Confirm Reservation  
? Are you sure you want to delete hotel?  
Number of reservations: 1  
Number of rooms: 9  
Yes No

Inquire

Room Details Reservation Details Room Availability

Basic Information

Basic Information

Hotel name: *Othada*  
Number of rooms: 9  
Monthly earnings: 1299.0

Exit

Inquire

Room Details Reservation Details Room Availability

Basic Information

Available rooms

Enter day of the month you wish to check in:  
Enter day of the month you wish to check out:  
Total Booked Rooms: 0 Available rooms: 0

Exit

Inquire

Room Details Reservation Details Room Availability

Basic Information

Reservation details

Individual Julian  
Suite: *Basic 9218*  
Check in: *1st of the month*  
Expected check out: *2nd of the month*  
Price Breakdown:  
Number of nights: 1  
Price per night: 1299.0  
Total cost of stay: 1299.0  
Detailed price breakdown:  
1st-2nd->1.0 1299.0  
TOTAL COMPUTED PRICE: 1299.0

Exit

Inquire

Room Details Reservation Details Room Availability

Basic Information

Room details

Basic 9218  
Basic 9218's available dates  
3 4 5 6 7 8 9  
10 11 12 13 14 15 16  
17 18 19 20 21 22 23  
24 25 26 27 28 29 30  
31  
Price per night 1299.0

Exit