

Brookstone B&B V3

Unit and System Test Report

January 18, 2016

Performed by: Katie Milligan

Unit Test Report				
Unit	Test Cases	Expected	Returned	Solution
searchRooms	Standard, Queen, 18-01-2016, 19-01-2016	roomList built and call to bookRoom()		
initializeRooms	no configuration file	Error message and program exit	as expected	works
initializeRooms	valid configuration file	roomList initialized properly	as expected	works
saveReservations	rooms in roomList	new reservations.txt file saved	as expected	works
loadReservations	no reservation file	roomList remains empty	as expected	works
loadReservations	valid reservation file	roomList loaded properly	as expected	works
System Test Report				
Function	Test Cases	Expected	Returned	Solution
Find Room	standard room, queen bed, today's date, tomorrow's date	Find 6 available rooms	6 available rooms	Works
Book Room	Select room 101 and click Book Room	New dialog pops up, asking for guest information	new dialog	works
Book Room	Enter name, phone number, credit card and meal type (credit card numeric only) and click "OK"	Message to user - room booked successfully	message as expected	works
View Status	Click "View Status"	All rooms shown, with one guest in room 101	table as expected	works

Guest List	Click on "Guest List"	One guest in Room 101 - name should match	table as expected	works
Prepare Breakfast	Click on "Prepare Breakfast"	Table with guest name and meal type as entered previously	table as expected	works
Find Room	standard room, queen bed, today's date,	Error message - must check out after	Error message	works as expected
	today's date	check in		
Book Room in future	standard room, queen bed, date next week,	Find 6 available rooms	6 available rooms	Works
	date the week after			
Book Room	Select room 102 and click Book Room	New dialog pops up, asking for guest information	new dialog	works
Book Room	Enter name, phone number, credit card and meal type (credit card numeric only) and click "OK"	Message to user - room booked successfully	message as expected	works
View Status	Click "View Status"	All rooms shown, with one guest in room 101 and no guest in room 102 (because they're not in the hotel)	table as expected	works
View Status	Change computer date to a date in the range of guest in room 102, then select "View Status"	All rooms shown, with one guest in room 102	table as expected	works
Book Room	Do previous Find Room steps and then:	Error message - invalid credit card	error message as expected	works
	Enter name, phone number, credit card and			

	meal type (credit card with non numerics) and			
	click "OK"			
Find Room	standard room, queen bed, 31-12-16 as	Find 6 available rooms	Shows 6 rooms	works
	check in and 02-01-17 as check out			
Book Room	Enter name, phone number, credit card and	Message to user - room booked	message as	works
	meal type (credit card numeric only) and	successfully	expected	
	click "OK"			
View Status	Change computer date to a 01-01-17 and select	all rooms shown, with one guest in	No guests shown	BUG - needs fixing
	"View Status"	room from previous step		
Load	Start program, book 3 guests into 3 rooms and	all rooms shown, with 3 recently added	table as expected	works
	then exit program. Start program again and	guests		
	click "View Status"			

Errors

When a guest tries to book a room across the New Year's holiday, the system will tell the receptionist that the room was booked, but the roomList object will not be updated properly. A temporary workaround is to make two reservations. One until December 31st and the second from January 1st onwards. This will be fixed in a future version.