



## 4. Resolution

### 4.1 Bug 1

#### 4.1.1 Automated Test

Automated Test Result	<div>Tests passed: 100.00 %</div> <div>The test passed. (0.062 s)</div> <div> hotel.test.Bug1Test <b>passed</b></div> <div> testZeroServiceCharge <b>passed (0.0 s)</b></div> <div><pre>*****booking start***** *****booking end***** *****checkin start*****  Single room 1 is booked from 14-10-2018 for 1 nights by namel. Visa Credit card number: 1 Confirmation Number : 14920181 Check in confirmed *****checkin end***** *****record service start***** State before method call: SERVICE  Room 1 charged \$20.00 for Room Service  State after method call: COMPLETED *****record service end***** *****check out start***** Charges for room: 1, booking: 14920181 Arrival date: 14-10-2018, Staylength: 1 Guest: namel, Address: address1, Phone: 1123456 Charges:     Room Service:    \$20.00 Total: \$20.00  Actual Total cost for service: 20.0 System returned cost for service: 20.0 Checking out completed *****check out finished*****</pre></div>
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#### 4.1.2 User Acceptance Test After Code fixed



	TEST STEP	EXPECTED TEST RESULTS		P /F
1.	Booking	Show booking success by showing confirmation number	<pre>B: Book a Room C: Check In R: Record Service D: Check Out  Q: Quit  Selection : b  Booking Room  Enter phone number: 1 Enter guest name: sanil Enter guest address: nepal  Name: sanil, Address: nepal, Phone: 1  S: Single room, 1 D: Double room, 2 T: Twin share, 3 Enter room type selection: s Enter number of occupants: 1 Enter arrival date Enter day (dd): 1 Enter month (mm): 1 Enter year (y): 2019 Arrival Date: 01-01-2019 Enter length of stay: 1  The cost of booking a Single room from 01-01-2019 for 1 nights is \$100.00  Enter credit card details V: Visa M: MasterCard Enter credit card type selection: v Enter credit card number: 1 Enter CCV: 11  Single room 101 is booked from 01-01-2019 for 1 nights by sanil. Visa Credit card number 1 has been debited \$100.00 Confirmation Number : 102019101 Hit &lt;enter&gt; to continue</pre>	P

	TEST STEP	EXPECTED TEST RESULTS		P /F
2	Check in	Check in by entering confirmation number and show confirmed message.	<pre> Please select:  B:   Book a Room C:   Check In R:   Record Service D:   Check Out  Q:   Quit  Selection : c  Checking in  Enter confirmation number: 102019101  Single room 101 is booked from 01-01-2019 for 1 nights by sanil. Visa Credit card number: 1 Confirmation Number : 102019101 Confirm checkin? (Y/N) : y Check in confirmed Hit &lt;enter&gt; to continue </pre>	P
3	Record Service	Record service to a checked in room. And show charged item and cost after entering cost.	<pre> Please select:  B:   Book a Room C:   Check In R:   Record Service D:   Check Out  Q:   Quit  Selection : r  Recording service  Enter Room Id: 101 B:   Bar Fridge R:   Restaurant S:   Room Service Enter service typer Enter cost: 75  Room 101 charged \$75.00 for Restaurant Hit &lt;enter&gt; to continue </pre>	P
4	Checkout: Insert room number	Checkout by entering checked in room number. After room number is entered prompt to accept charges	<pre> Please select:  B:   Book a Room C:   Check In R:   Record Service D:   Check Out  Q:   Quit  Selection : d  Checking out  Enter room number: 101 Charges for room: 101, booking: 102019101 Arrival date: 01-01-2019, Staylength: 1 Guest: sanil, Address: nepal, Phone: 1 Charges:     Restaurant    :    \$75.00 Total: \$75.00  Accept charges(Y/N) : </pre>	P
	Checkout: Accept charge	Accept charge and prompt to enter payment card details	<pre> Accept charges(Y/N) : y Charges accepted  Enter credit card details V:   Visa M:   MasterCard Enter credit card type selection: v Enter credit card number: 1 Enter CCV: 1 Visa credit card number 1 was debited \$75.00 Hit &lt;enter&gt; to continue </pre>	P

## 4.2 Bug 2

### 4.2.1 Automated Test Result

Screen	P/F
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Tests passed: 100.00 %		P
<p>The test passed. (0.062 s)</p> <p>  hotel.test.Bug2Test <b>passed</b>   testReEnterServiceAfterCheckedOut <b>passed (0.015 s)</b> </p> <pre> Test All Service charges are reported as 0.00 when checking out. *****booking start***** *****booking end***** *****checkin start*****  Single room 1 is booked from 14-10-2018 for 1 nights by namel. Visa Credit card number: 1 Confirmation Number : 14920181 Check in confirmed *****checkin end***** *****check out start*****  Charges for room: 1, booking: 14920181 Arrival date: 14-10-2018, Staylength: 1 Guest: namel, Address: address1, Phone: 1123456 Charges: Total: \$0.00  Checking out completed *****check out finished***** *****record service after checkout start***** No active booking for room id: 1 State before method call later: ROOM Expected Result: "PayForServiceCTL: serviceDetailsEntered : bad state : ROOM" System Result: "PayForServiceCTL: serviceDetailsEntered : bad state : ROOM" </pre>		

#### 4.2.2 User Acceptance Test After Code fixed

	TEST STEP	EXPECTED TEST RESULTS		P /F
1.	Checkout	Check out completely by entering payment details.	<pre> Accept charges(Y/N) : y Charges accepted  Enter credit card details V:      Visa M:      MasterCard Enter credit card type selection: v Enter credit card number: 1 Enter CCV: 1 Visa credit card number 1 was debited \$75.00 Hit &lt;enter&gt; to continue Checking out completed  Hotel Management System  Please select:  B:      Book a Room C:      Check In R:      Record Service D:      Check Out  Q:      Quit  Selection :   </pre>	P

	TEST STEP	EXPECTED TEST RESULTS		P /F
2	Record Service after checkout	Throw runtime exception	<pre> Please select:  B:  Book a Room C:  Check In R:  Record Service D:  Check Out  Q:  Quit  Selection : r  Recording service  Enter Room Id: 101 No active booking for room id: 101 Enter Room Id:   </pre>	P