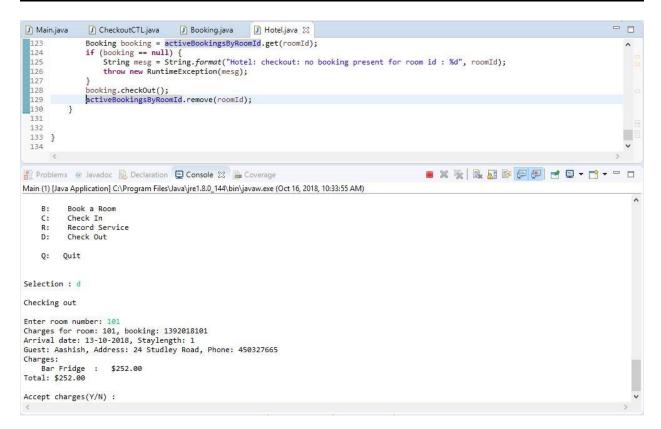1. The use case is performed to check the service charge after the checkout operation. (BUG 1 resolved)

Test Name	Checkout Bill Test
Use Case Tested:	Checkout
Test Description:	The billing of the system is tested
Pre-conditions	All details are provided in the system
Post-conditions	Final checkout bills with service charge
Notes:	Bugs are resolved
Result (Pass/Fail/Warning/Incomplete)	**PASS**

	TEST STEP	EXPECTED TEST RESULTS	P	F
	Book a room	Booked Room and Confirmation Number	P	
	Check In	Check in Completed	P	
	Record Service	Service Recorded	P	
	Check Out	Checkout with final bill	P	
	Quit	Quit	P	

Test Data Table	
	1
Book a Room	Phone Number-0450327665 Name- Aashish Address- 24 Studley Road Room-Single(S) No of Occupants-1 Arrival Date-13/10/2018 Length of Stay-1

	Card Type-V
	Card Number-1
	CCV-1
Check In	Confirmation Number- 1392018101
	Confirm Check-in-Y
Record Services	Room no-101
	Type of Service- Bar
	Cost-252
Check Out	Room No-101
	Checkout-Y

```
Main.java    CheckoutCTL.java    Booking.java    Hotel.java ☒
123        Booking booking = activeBookingsByRoomId.get(roomId);
124        if (booking == null) {
125            String mesg = String.format("Hotel: checkout: no booking present for room id : %d", roomId);
126            throw new RuntimeException(mesg);
127        }
128        booking.checkOut();
129        activeBookingsByRoomId.remove(roomId);
130    }
131
132
133 }
134
```

```
Problems  @ Javadoc  Declaration  ☐ Console ☒  Coverage
Main (1) [Java Application] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (Oct 16, 2018, 10:33:55 AM)

    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: 1392018101
Arrival date: 13-10-2018, Staylength: 1
Guest: Aashish, Address: 24 Studley Road, Phone: 450327665
Charges:
    Bar Fridge  :   $252.00
Total: $252.00

Accept charges(Y/N) :
```

2. The use case is prepared to check the error that system charge the user even after checkout.

Test Name	Check Out Bill Test
Use case	Check Out

Test Description		System can't charge now after the checkout is done by user		
Pre- Condition		Customer has proceeded checkout bills		
Post- Condition		Charge option isn't provided after check out		
Result		PASS		
	Test Step	Expected Result	P	F
1	Prompt to enter room number	System provide field to input room details	P	
2	Enter room number	User should enter room number	P	
3	Display final invoice	Final invoice should be displayed	P	
4	Prompt to accept charges	Prompt message on screen	P	
5	Accept charges	System should accept charges	P	
6	Prompt to enter credit card type	System should provide input for credit card	P	
7	Enter credit card type	User should select credit card type	P	
8	Prompt for credit card number	System should provide input field for credit card	P	
9	Enter service type	User should be able to enter service type	P	
10	Prompt for ccv	System prompt ccv	P	
11	Enter ccv	User should be able to enter ccv	P	
12	Display checkout debit message	Message should be displayed with the checkout debit balance	P	
13	Prompt for room ID	Message should be displayed for room ID	P	
14	Enter Room ID	User should not be able to enter Room ID	P	
15	Prompt for cost	Message should be displayed for cost	P	

```
123         Booking booking = activeBookingsByRoomId.get(roomId);
124         if (booking == null) {
125             String mesg = String.format("Hotel: checkout: no booking present for room id : %d", roomId);
126             throw new RuntimeException(mesg);
127         }
128         booking.checkOut();
129         activeBookingsByRoomId.remove(roomId);
130     }
131
132
133 }
134
```

Problems @ Javadoc Declaration Console ⋈ Coverage

Main (1) [Java Application] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (Oct 16, 2018, 10:33:55 AM)

```
Hotel Management System

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:
RecordServiceUI: User cancelled at input room id
Pay for service cancelled
```